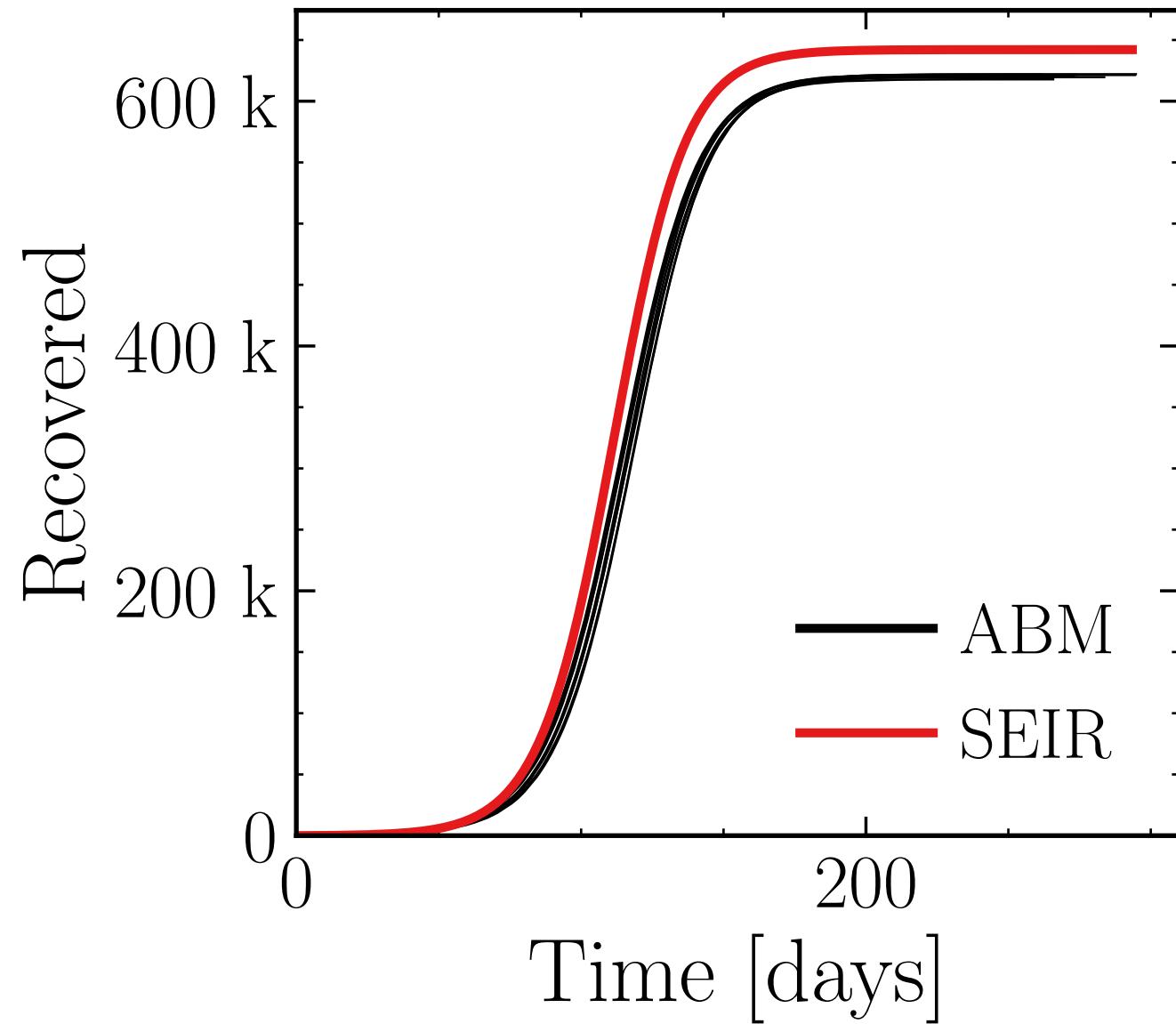
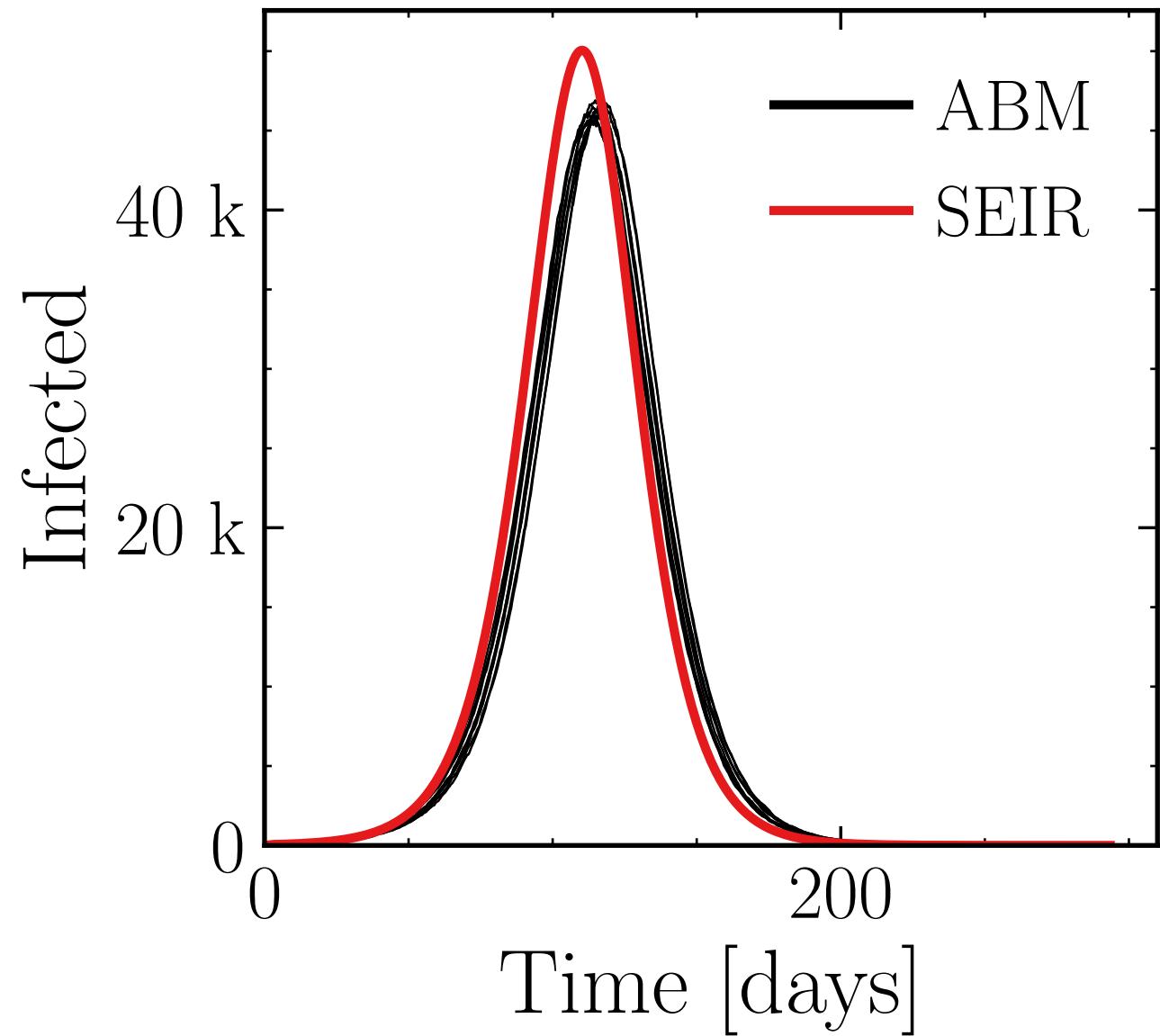


$N_{\text{tot}} = 1M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (46.2 \pm 0.3\%) \cdot 10^3$$

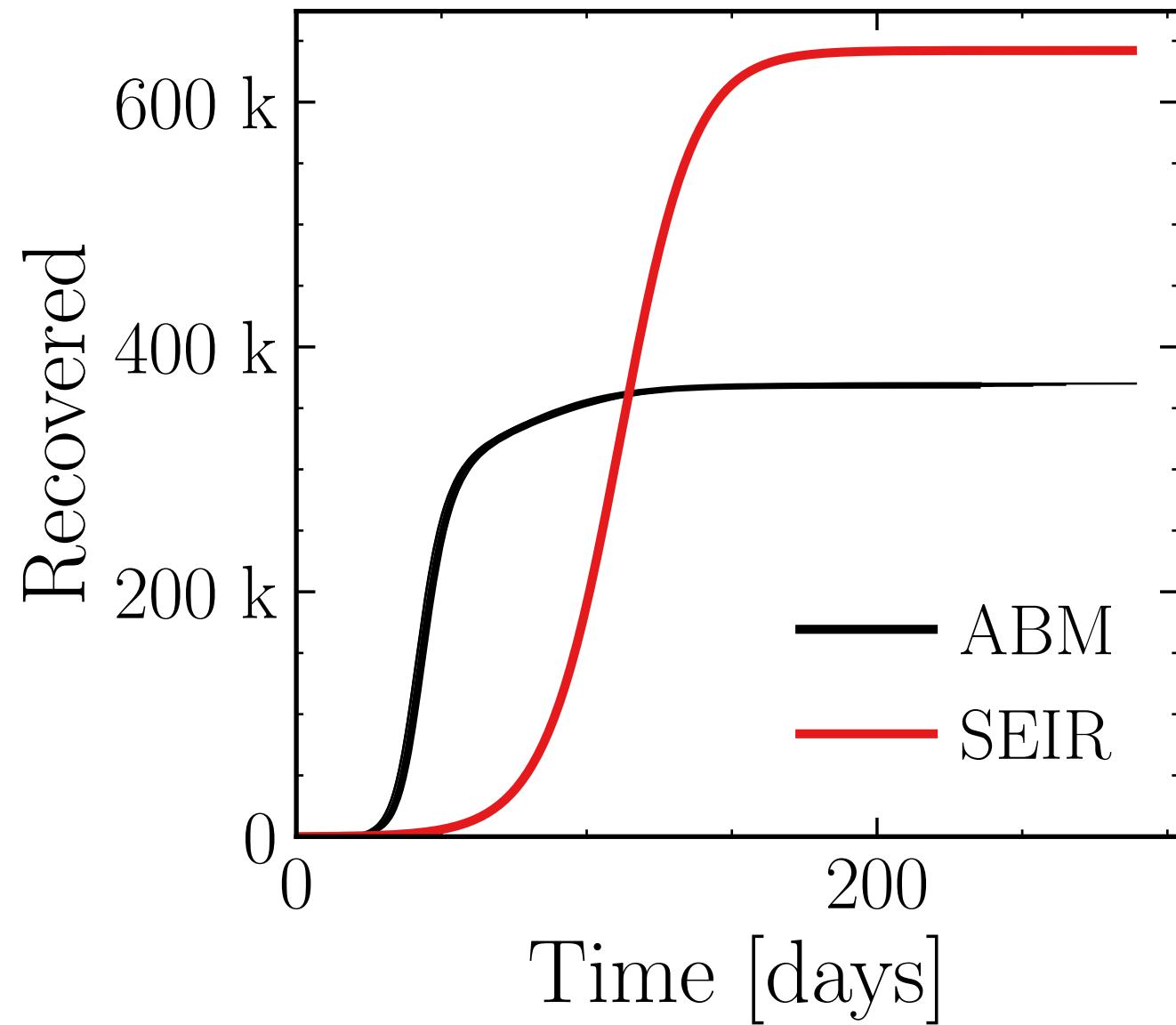
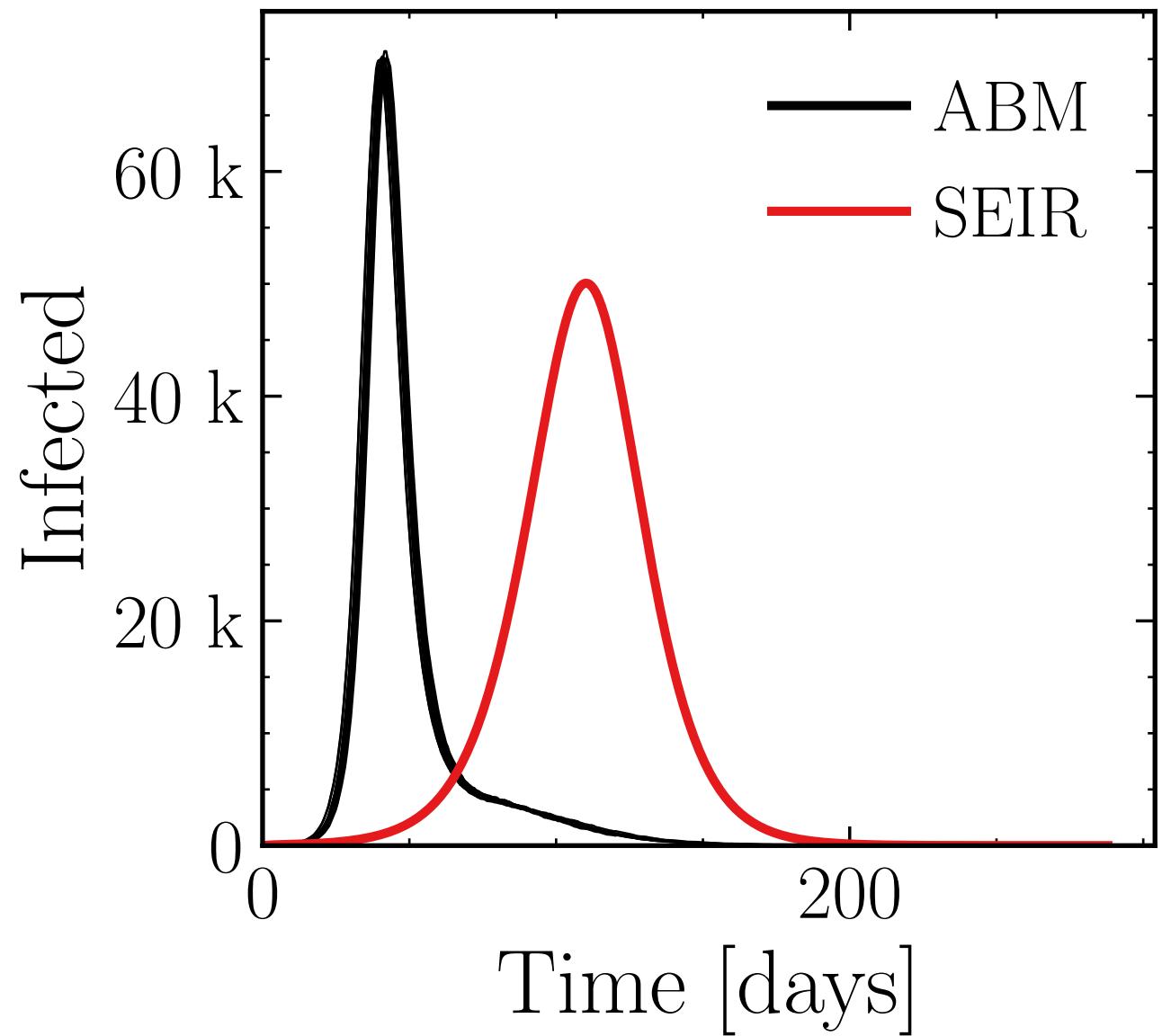
$$R_\infty^{\text{ABM}} = (620.6 \pm 0.062\%) \cdot 10^3$$



$N_{\text{tot}} = 1M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

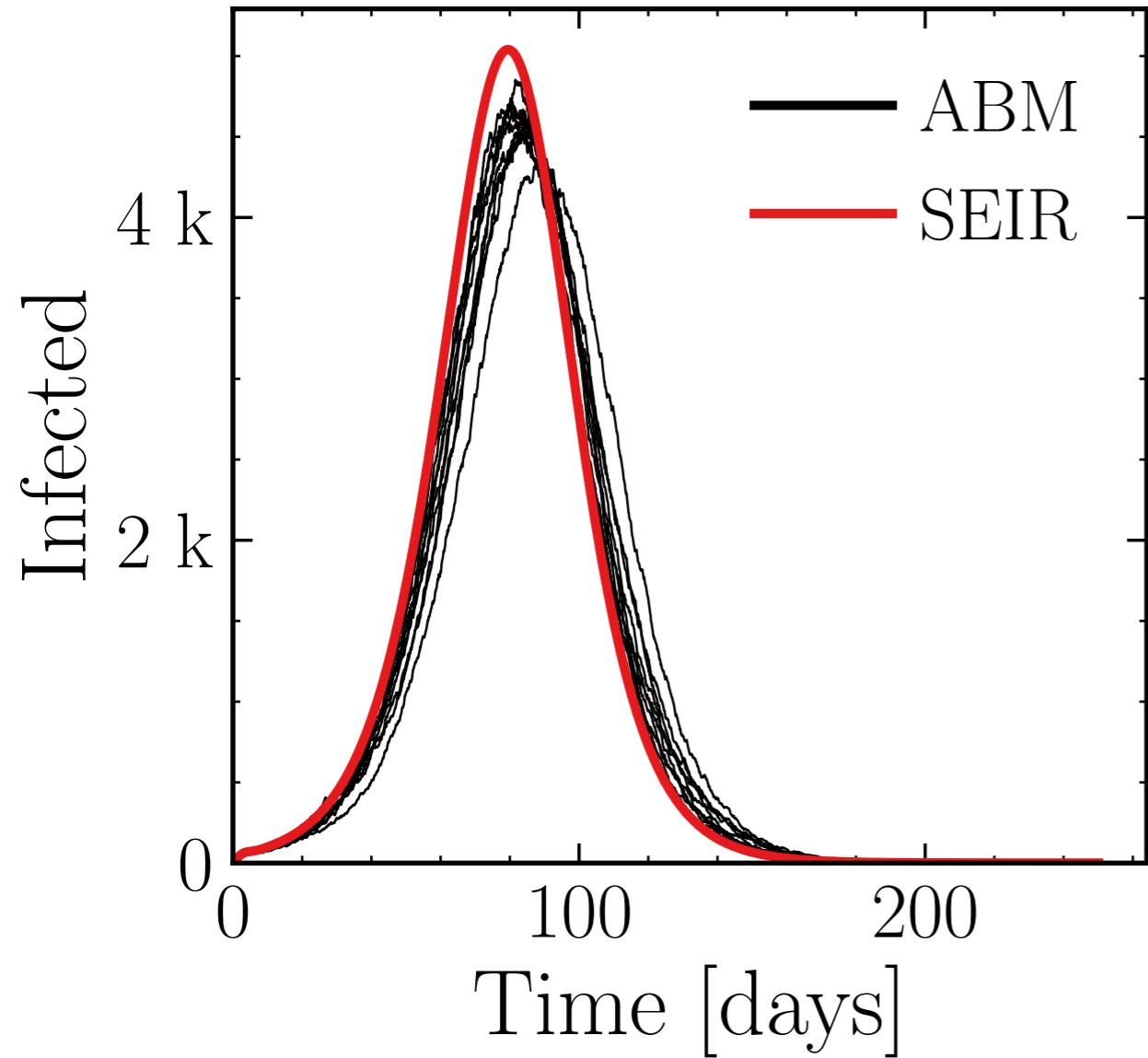
$$I_{\max}^{\text{ABM}} = (70.03 \pm 0.14\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (369 \pm 0.08\%) \cdot 10^3$$

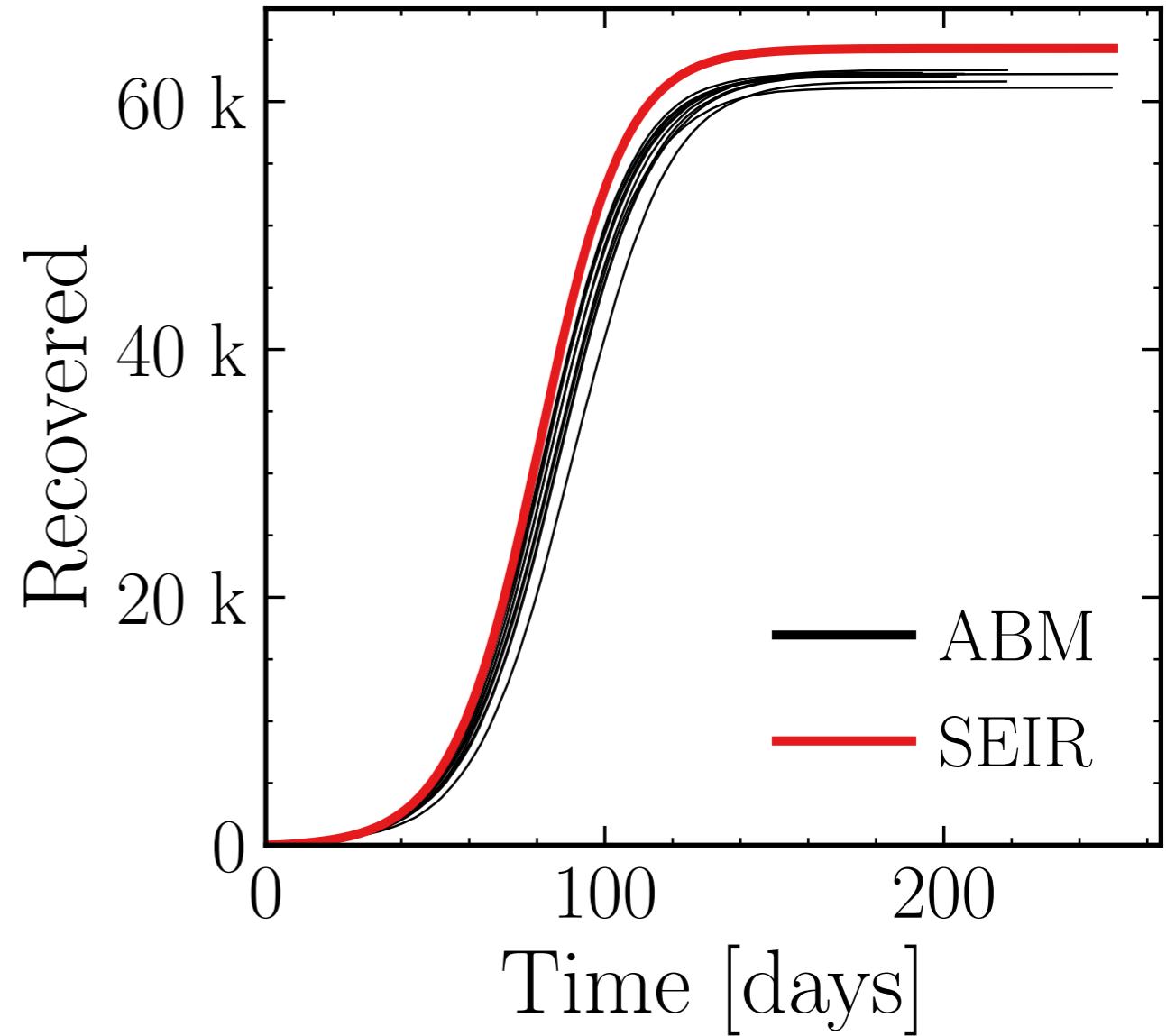


$N_{\text{tot}} = 100K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (4.62 \pm 0.89\%) \cdot 10^3$$

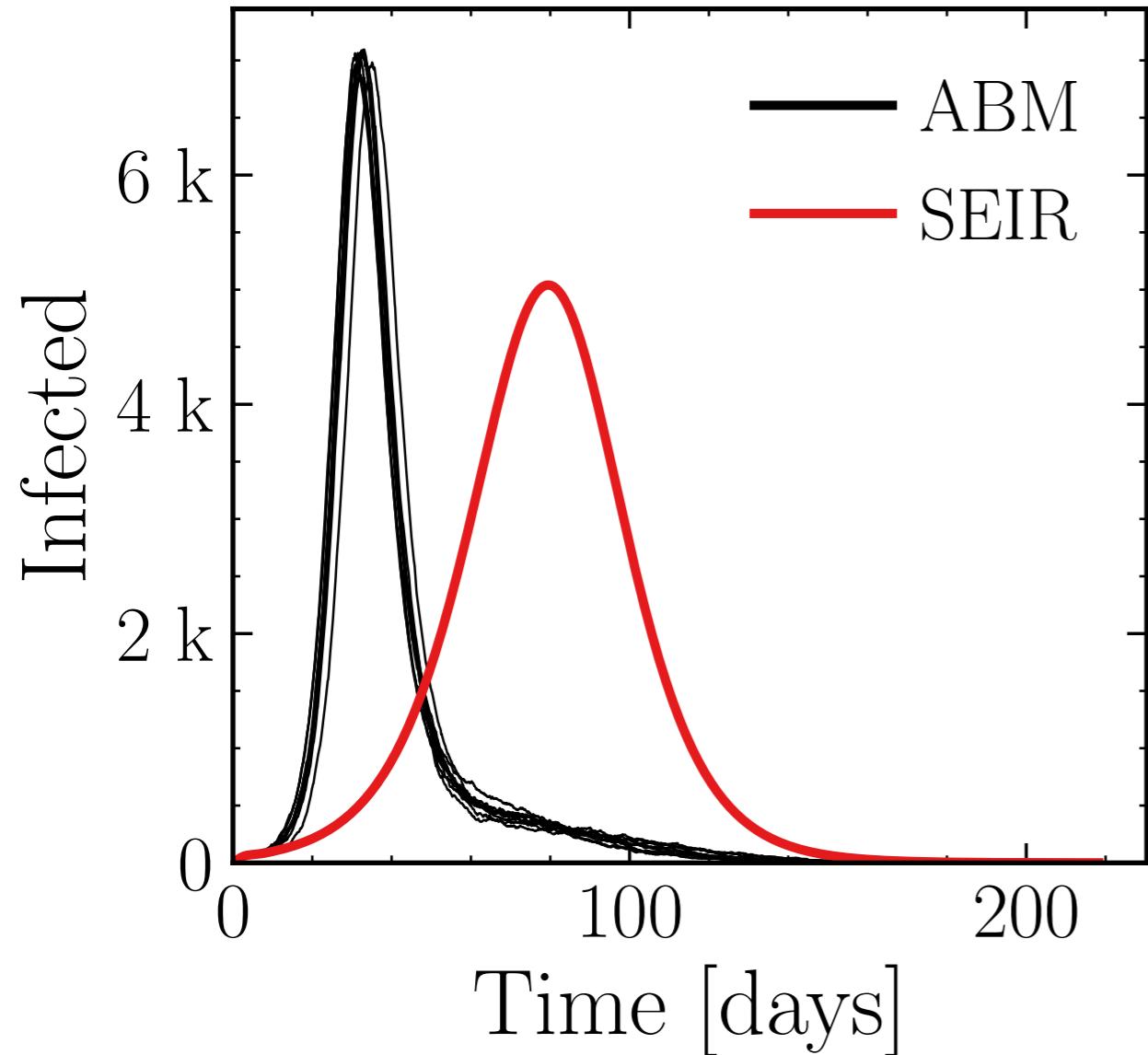


$$R_\infty^{\text{ABM}} = (62.1 \pm 0.2\%) \cdot 10^3$$

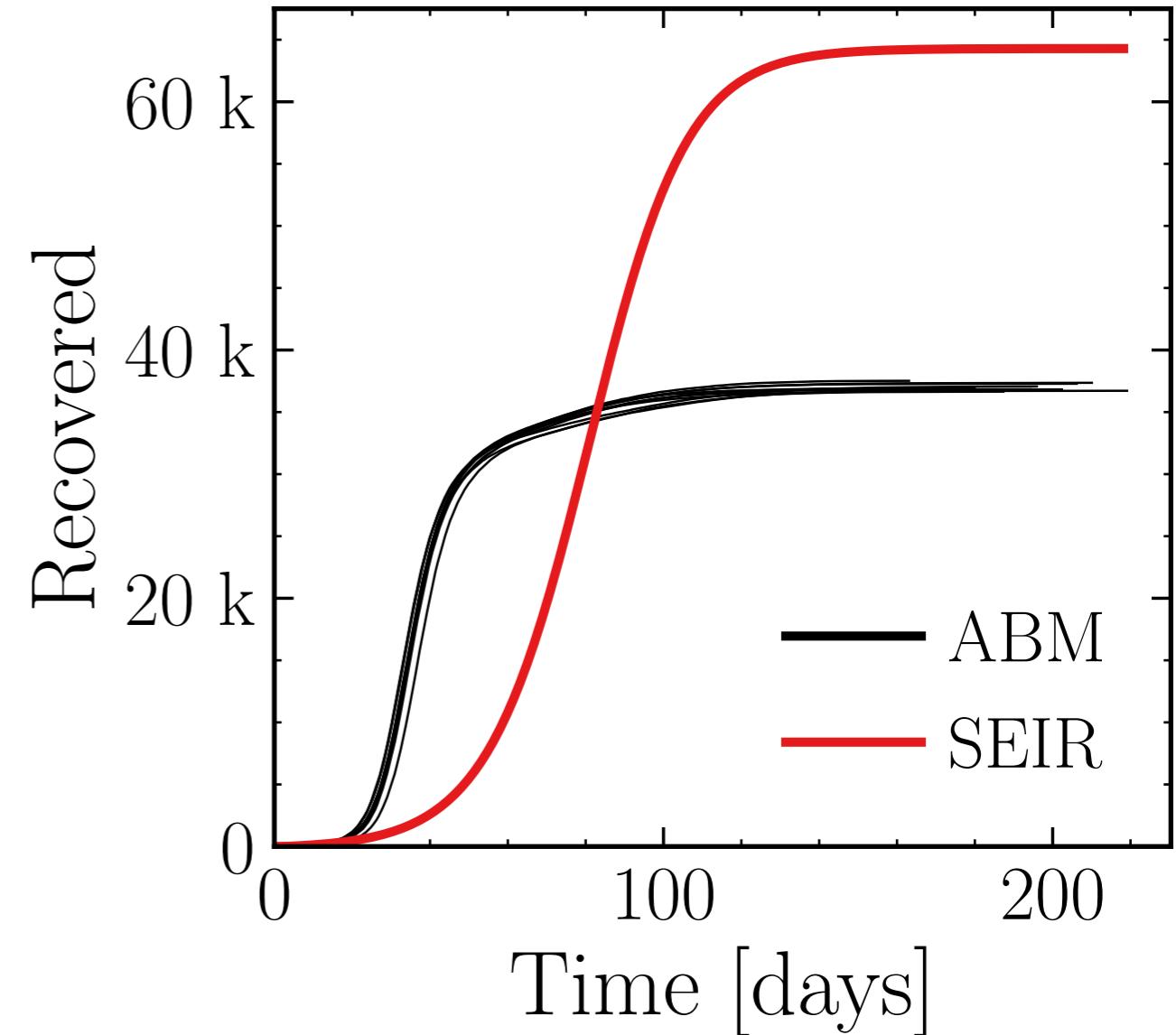


$N_{\text{tot}} = 100K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (7.03 \pm 0.29\%) \cdot 10^3$$



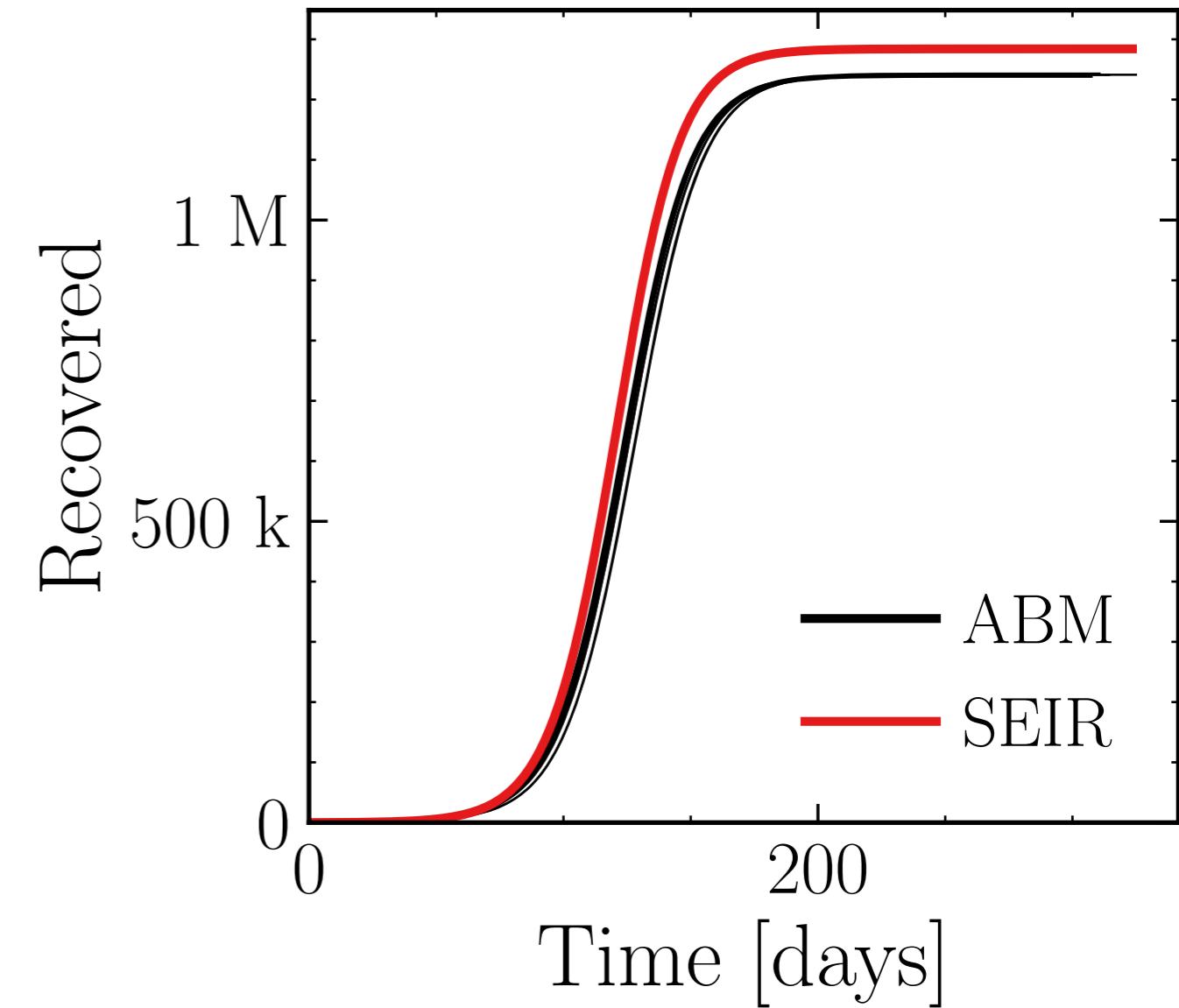
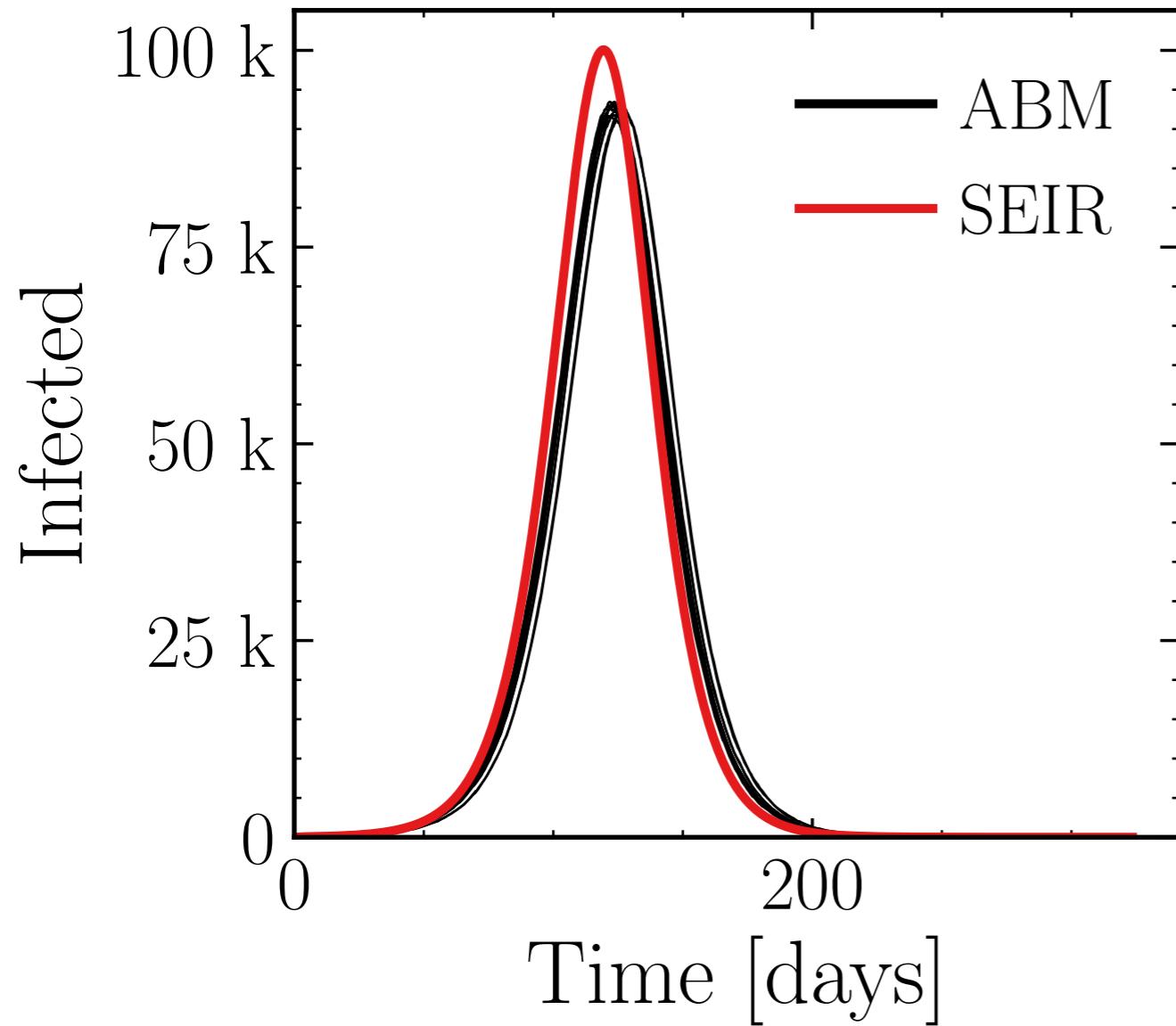
$$R_{\infty}^{\text{ABM}} = (37 \pm 0.24\%) \cdot 10^3$$



$N_{\text{tot}} = 2M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

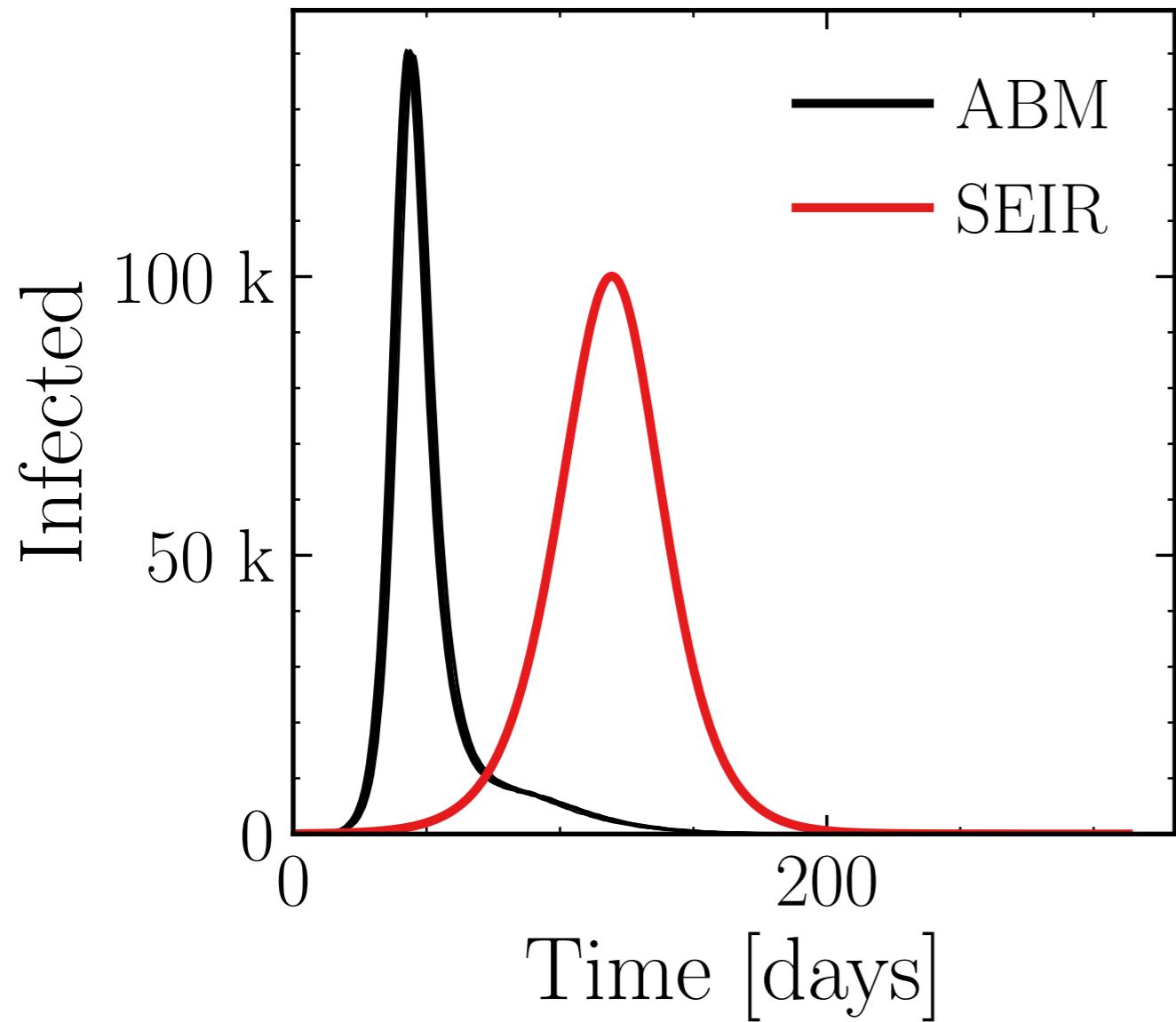
$$I_{\text{max}}^{\text{ABM}} = (92.8 \pm 0.2\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (1.2409 \pm 0.032\%) \cdot 10^6$$

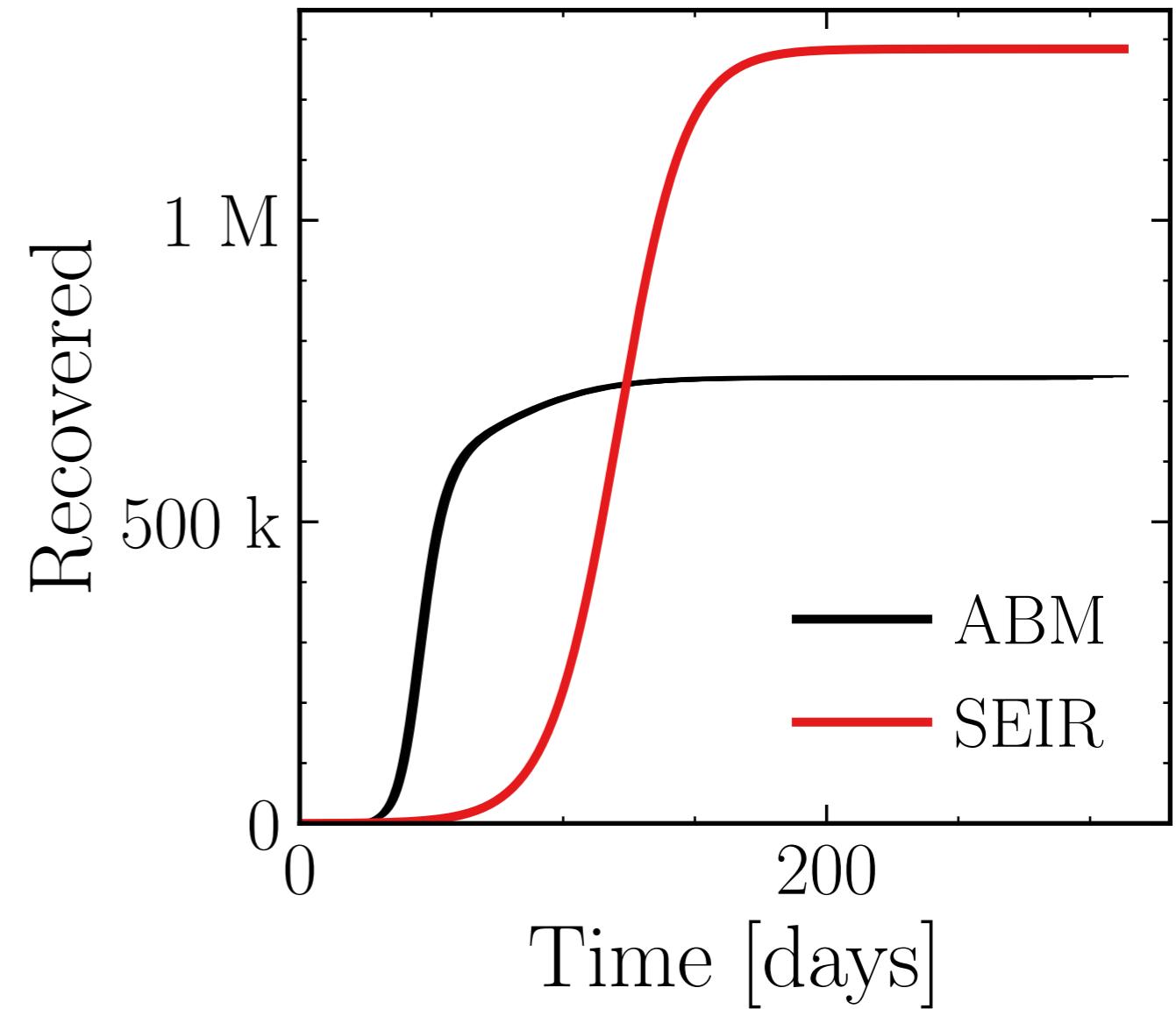


$N_{\text{tot}} = 2M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (140.1 \pm 0.085\%) \cdot 10^3$$

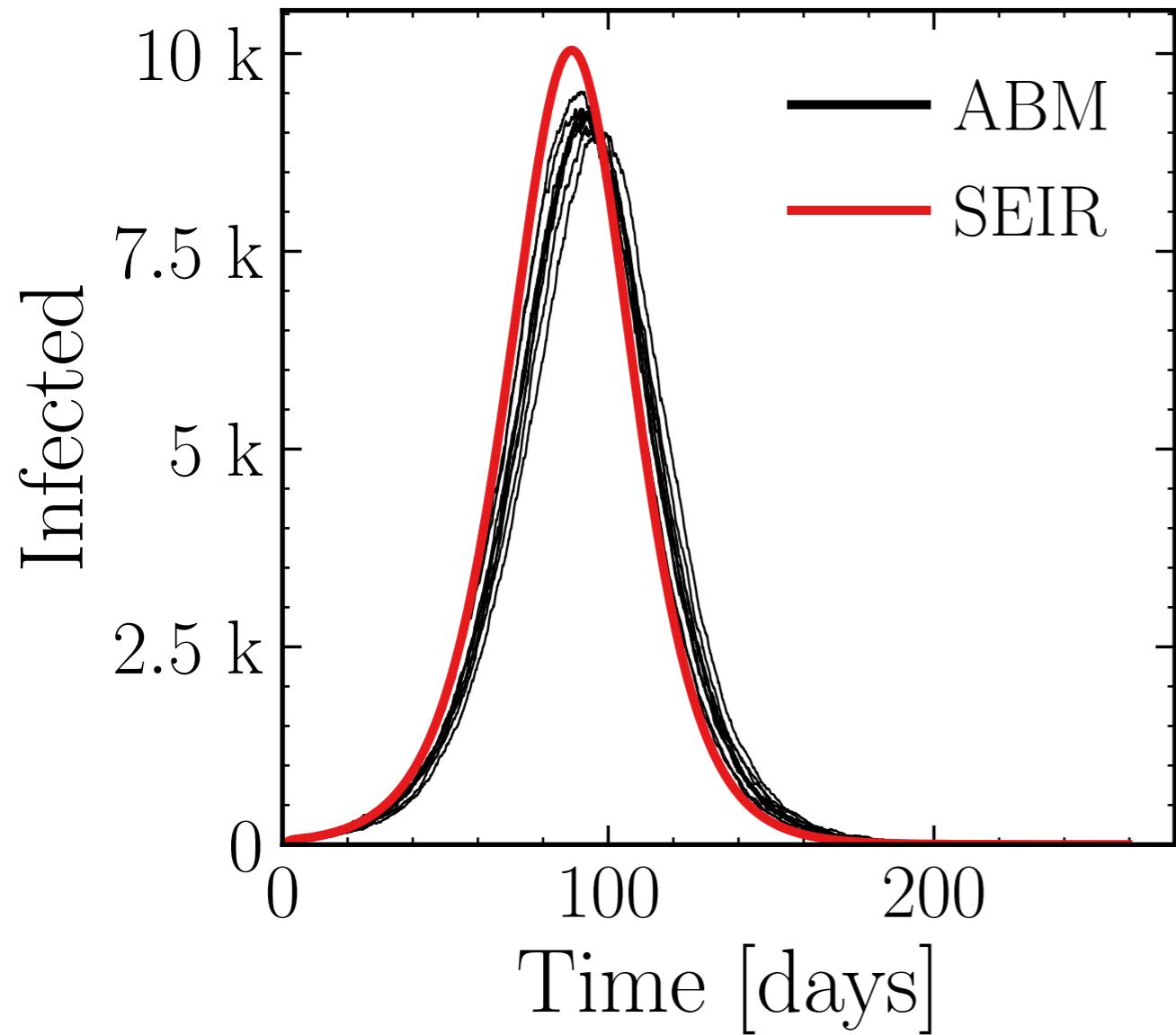


$$R_{\infty}^{\text{ABM}} = (738.4 \pm 0.058\%) \cdot 10^3$$

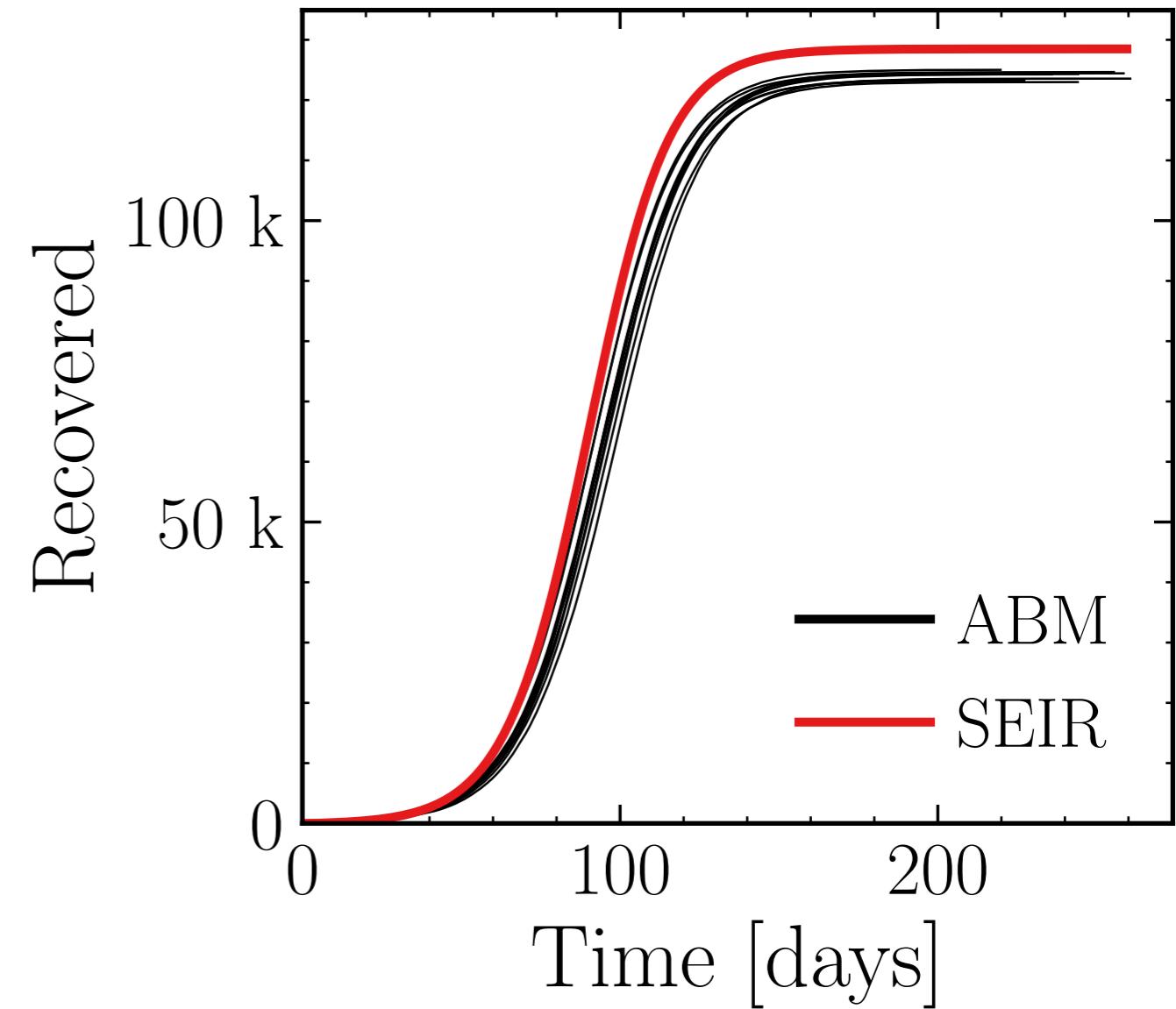


$N_{\text{tot}} = 200K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (9.24 \pm 0.48\%) \cdot 10^3$$



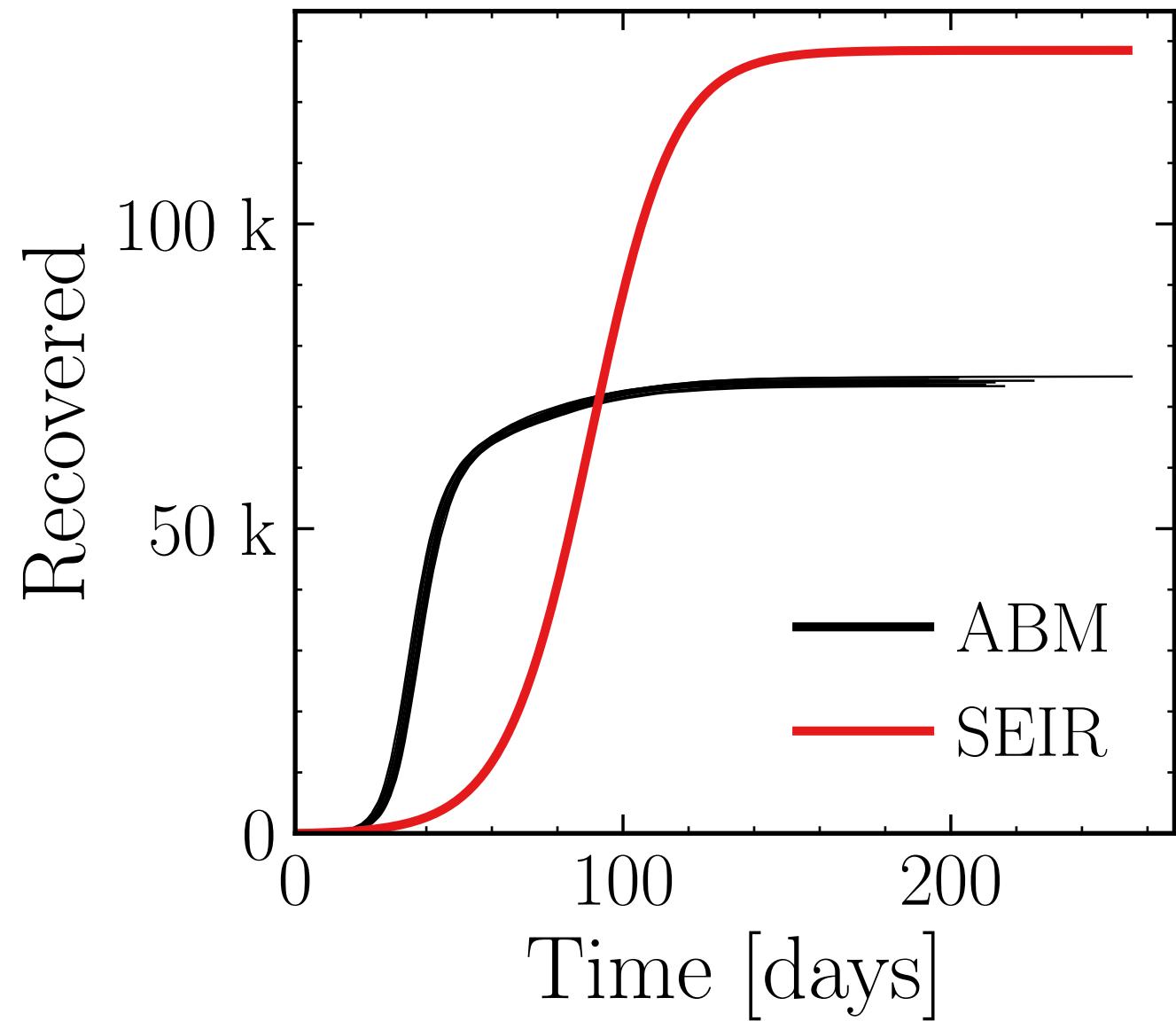
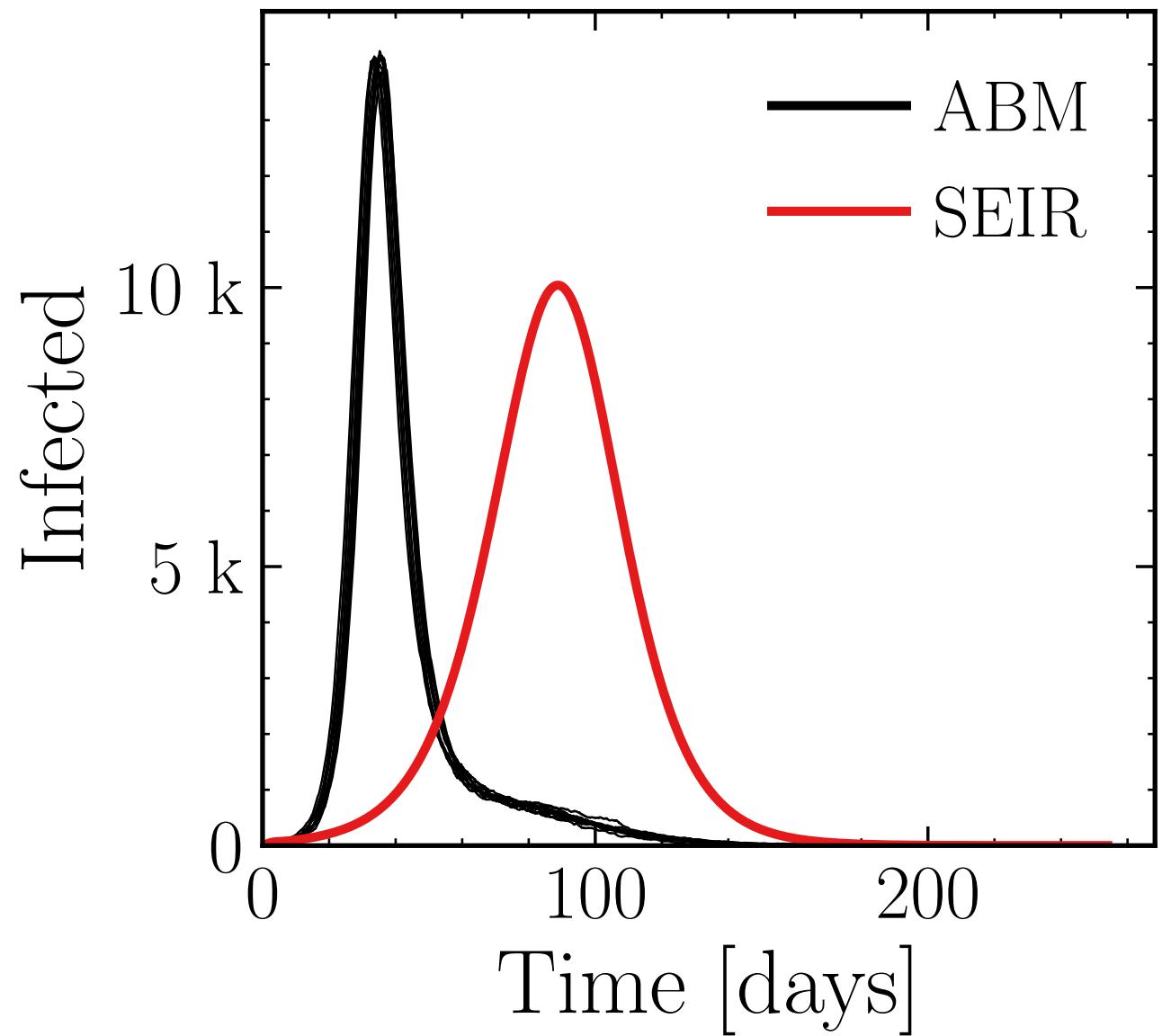
$$R_\infty^{\text{ABM}} = (124 \pm 0.16\%) \cdot 10^3$$



$N_{\text{tot}} = 200K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

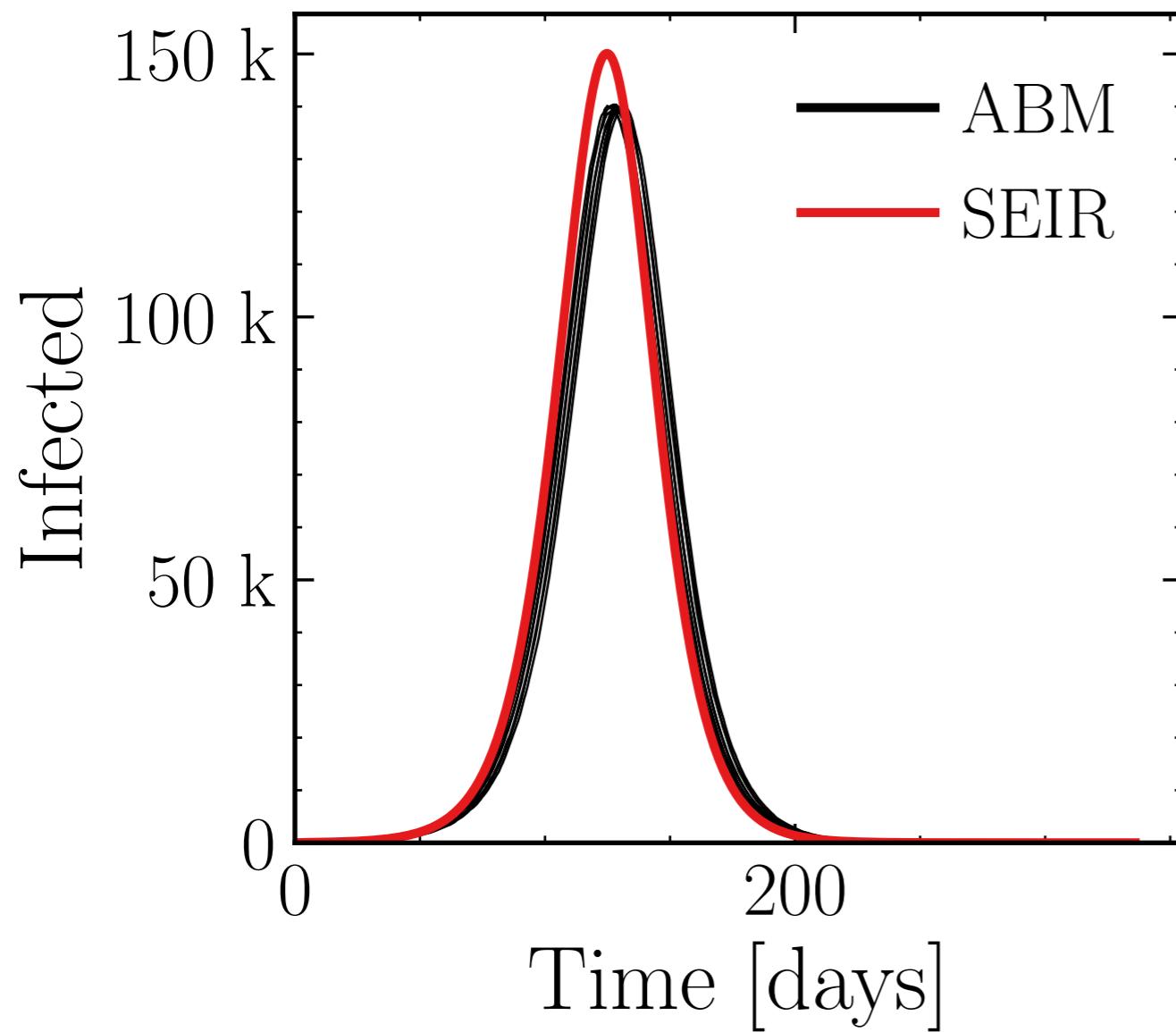
$$I_{\max}^{\text{ABM}} = (14.07 \pm 0.24\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (74.2 \pm 0.2\%) \cdot 10^3$$

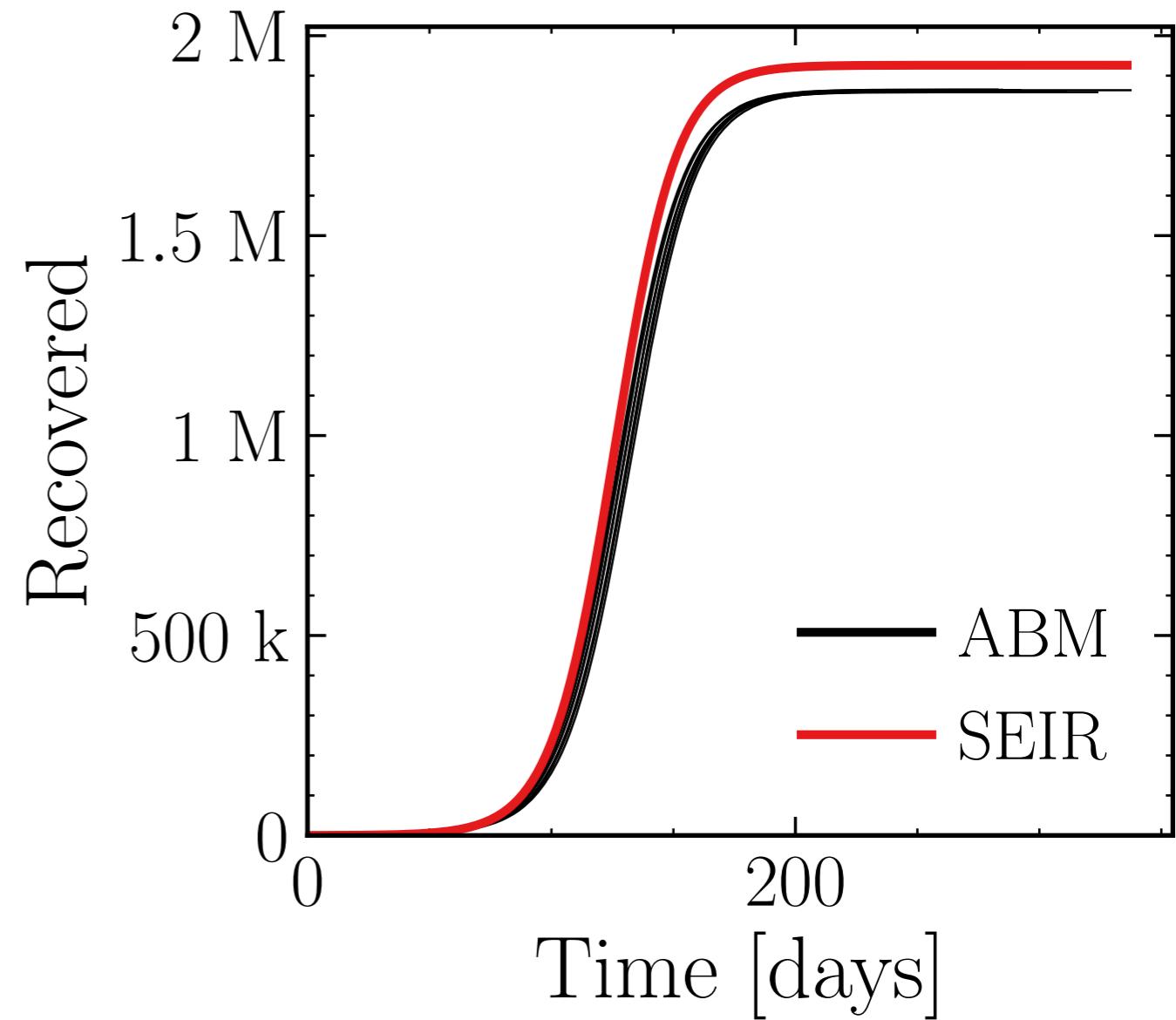


$N_{\text{tot}} = 3M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (139.8 \pm 0.1\%) \cdot 10^3$$

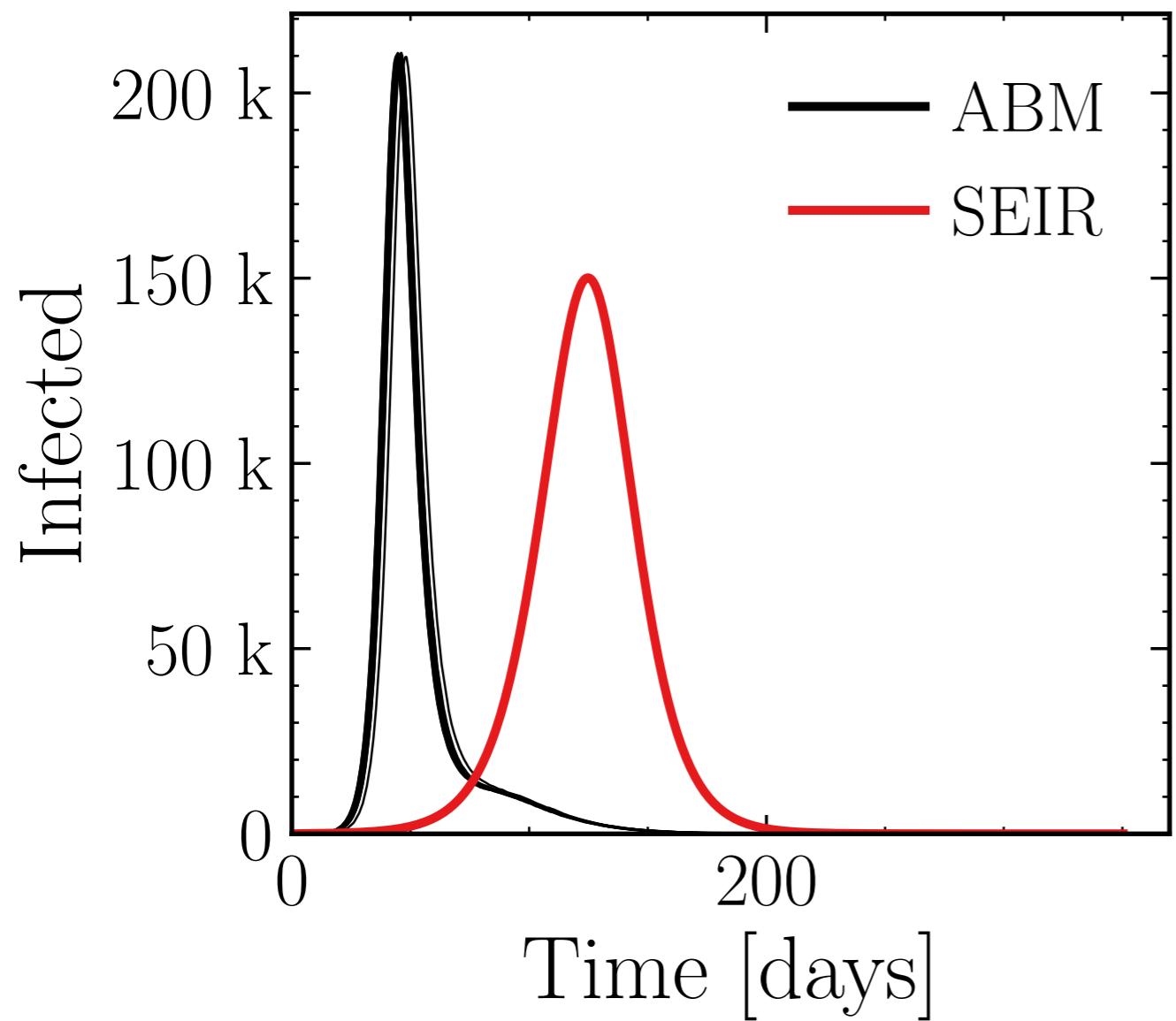


$$R_{\infty}^{\text{ABM}} = (1.862 \pm 0.037\%) \cdot 10^6$$

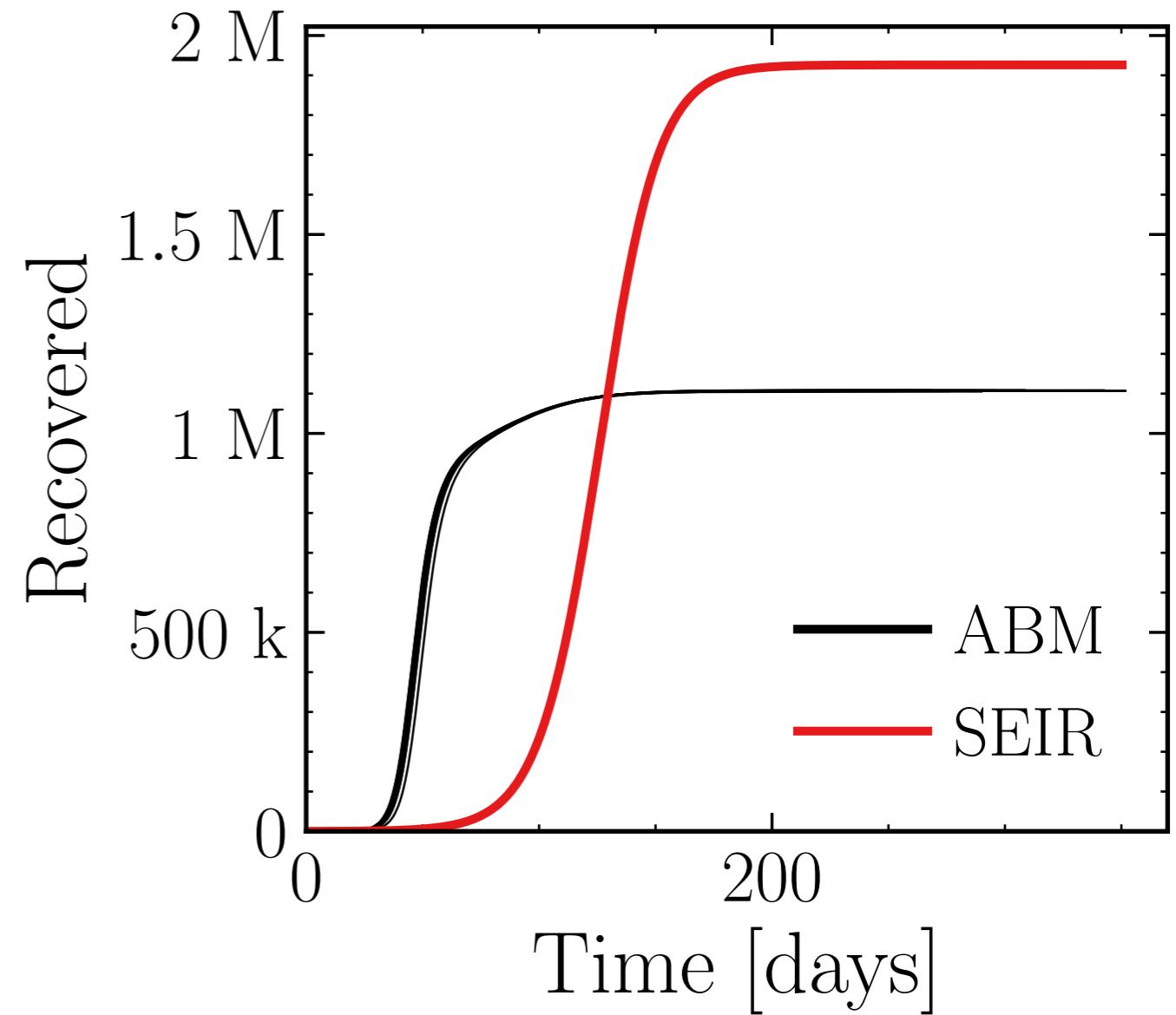


$N_{\text{tot}} = 3M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (210 \pm 0.08\%) \cdot 10^3$$

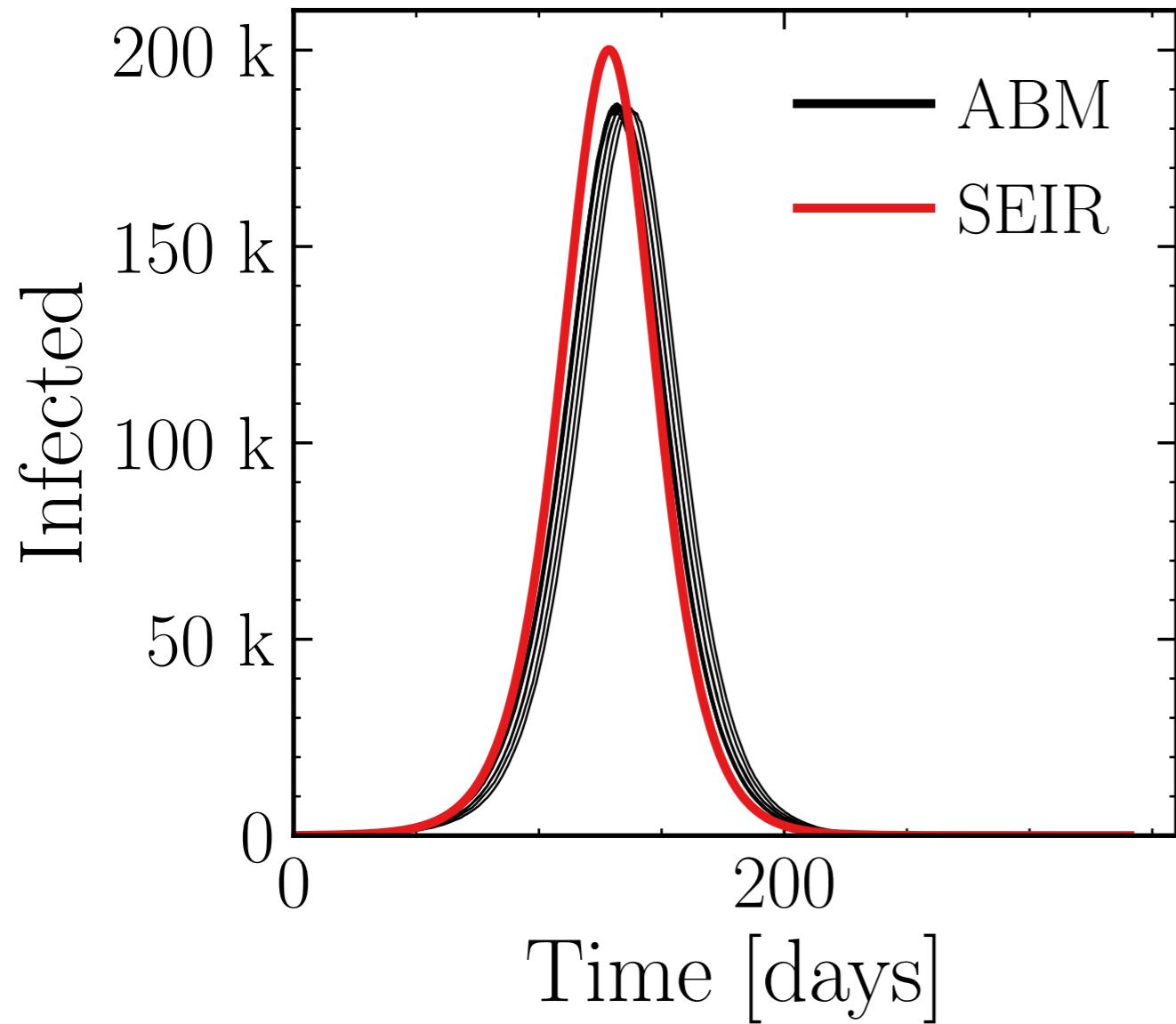


$$R_\infty^{\text{ABM}} = (1.1075 \pm 0.033\%) \cdot 10^6$$

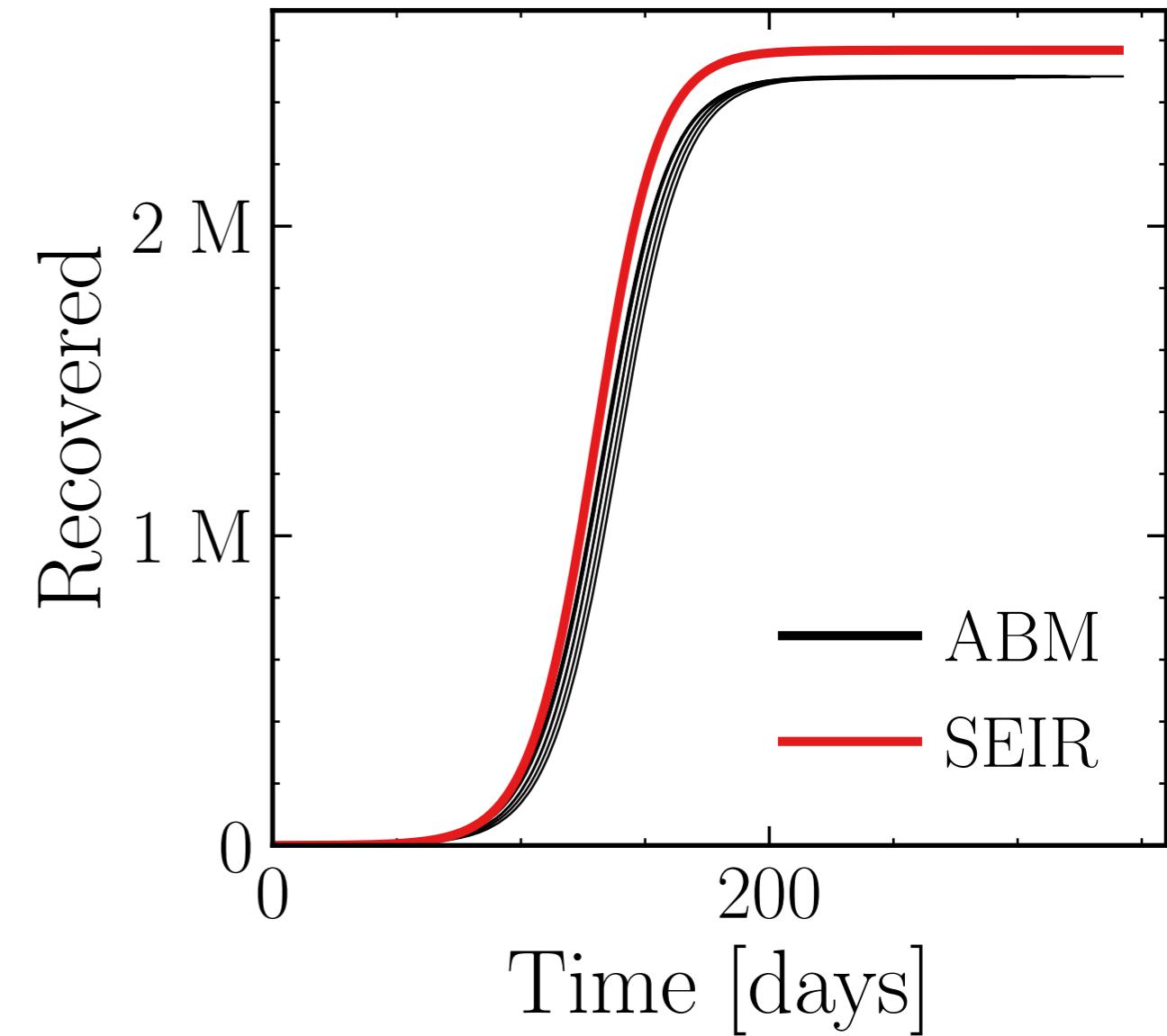


$N_{\text{tot}} = 4M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (185.7 \pm 0.087\%) \cdot 10^3$$



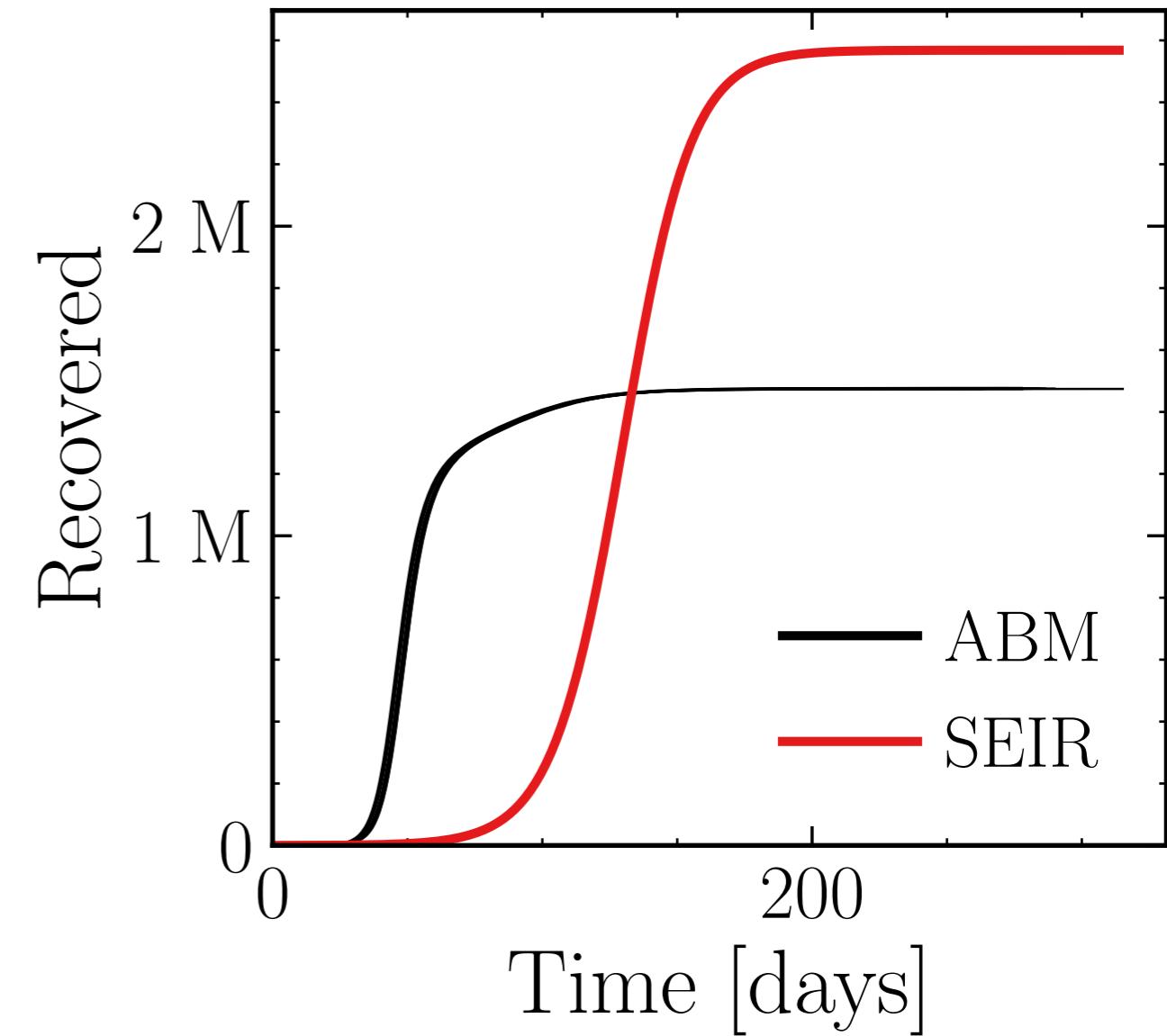
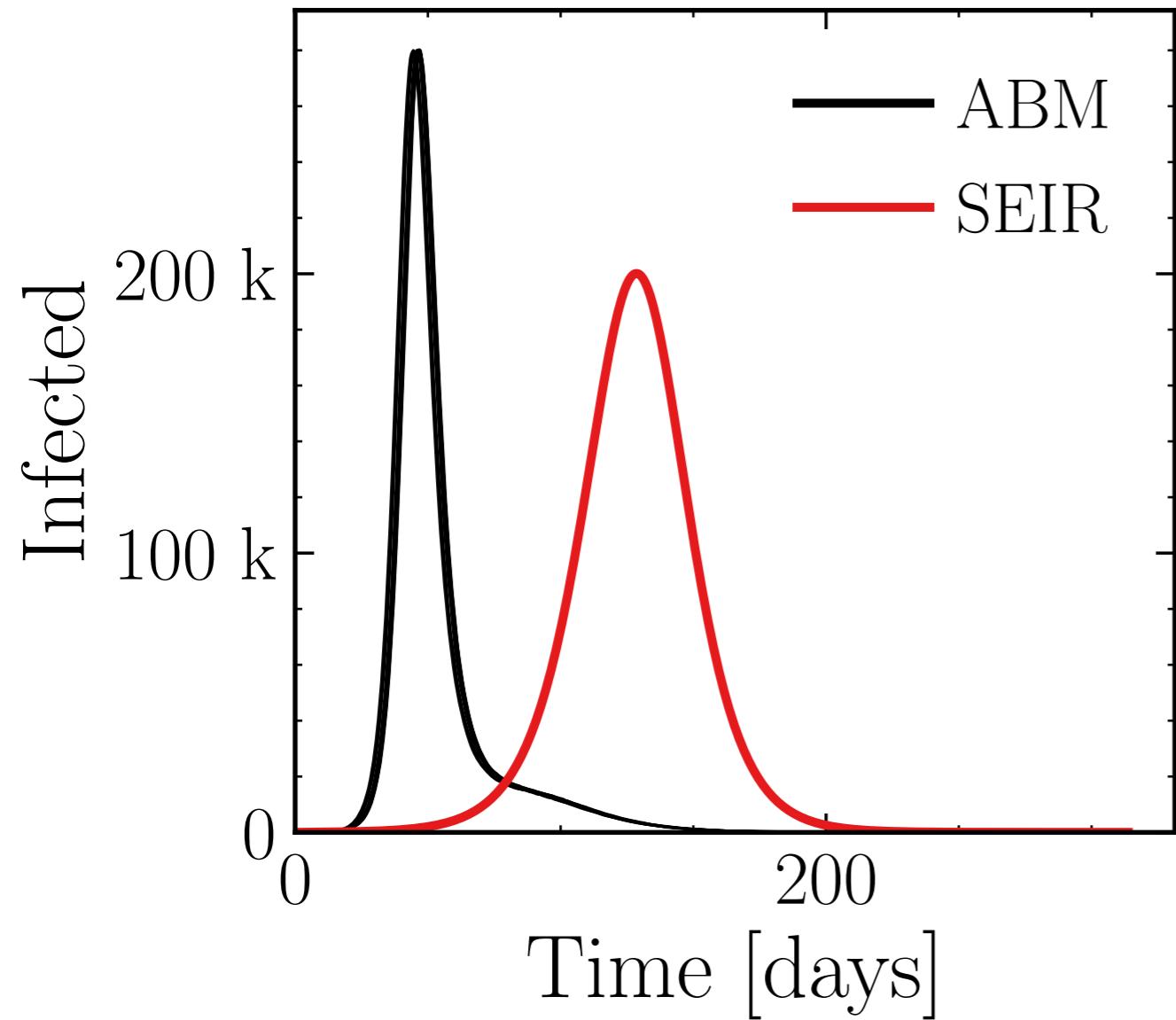
$$R_\infty^{\text{ABM}} = (2.4822 \pm 0.028\%) \cdot 10^6$$



$N_{\text{tot}} = 4M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (280 \pm 0.033\%) \cdot 10^3$$

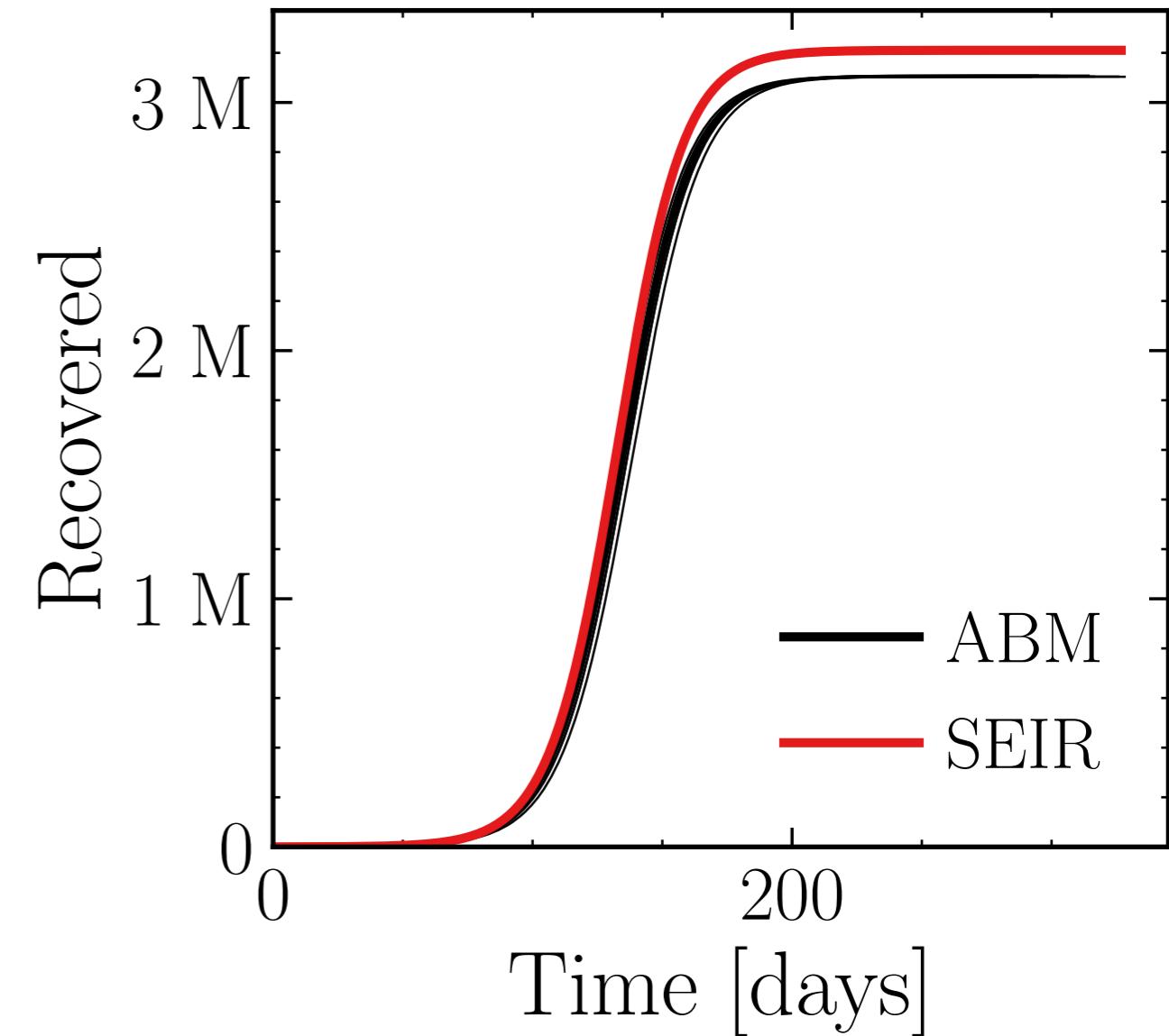
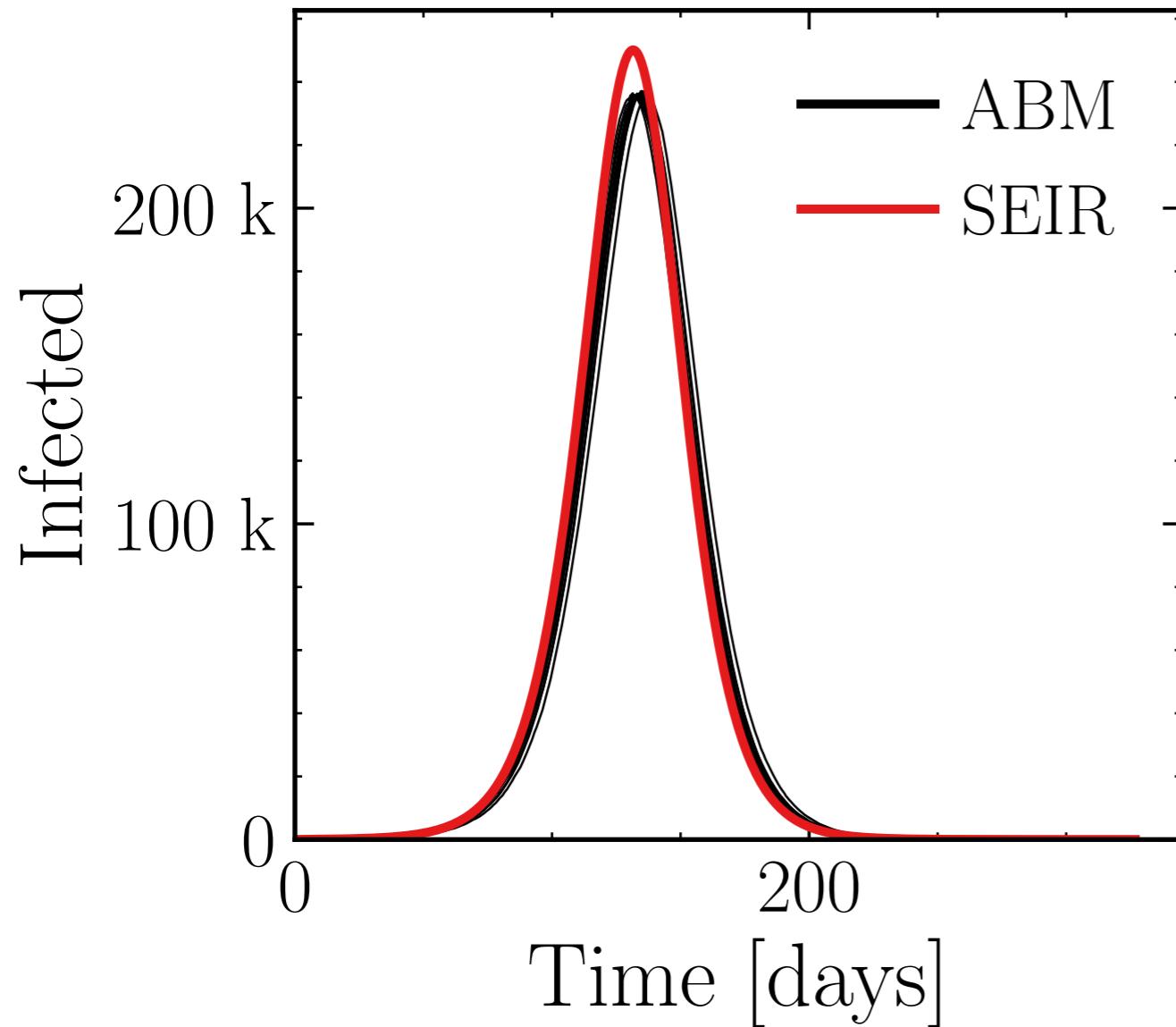
$$R_\infty^{\text{ABM}} = (1.4754 \pm 0.023\%) \cdot 10^6$$



$N_{\text{tot}} = 5M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

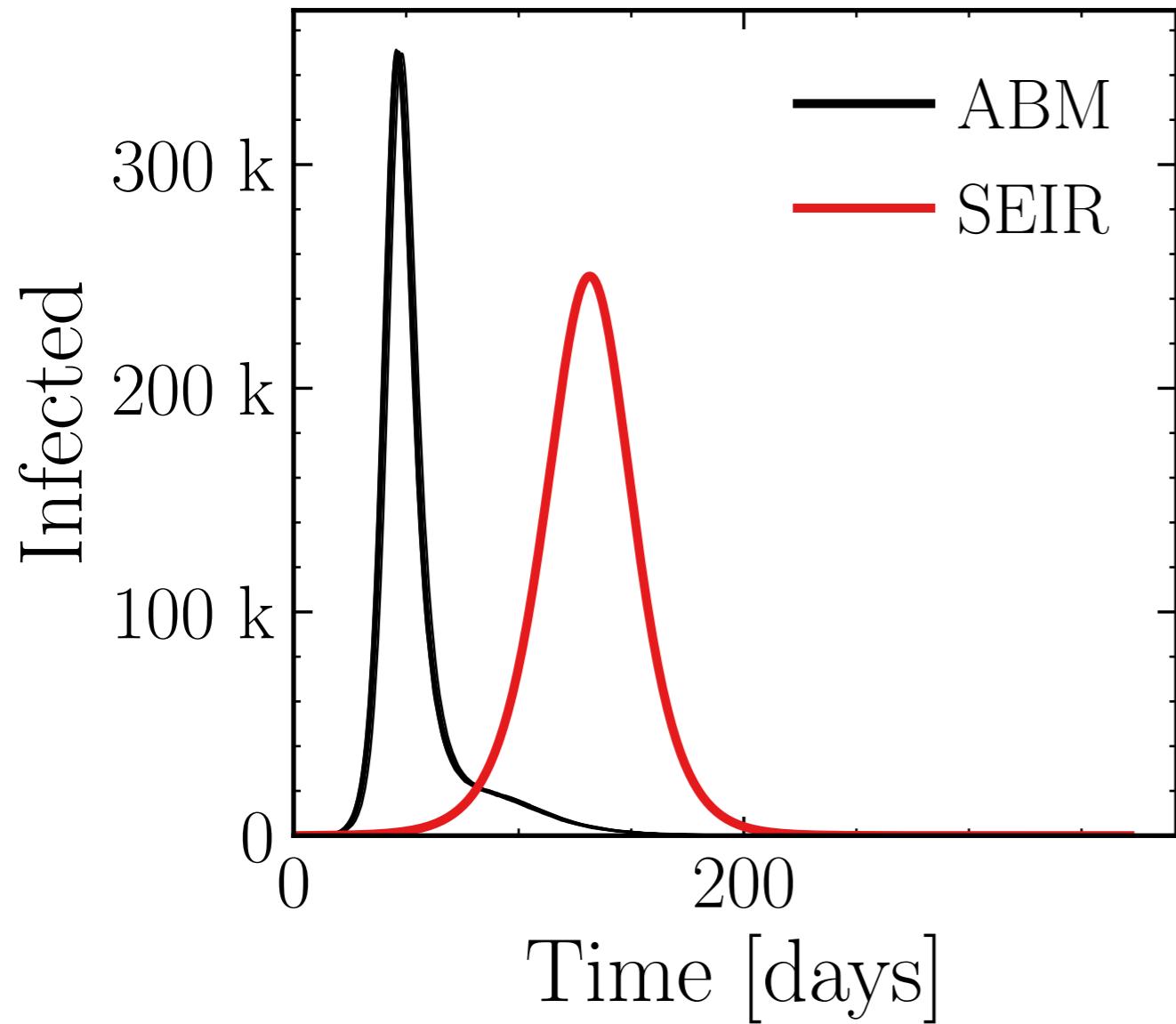
$$I_{\text{max}}^{\text{ABM}} = (235.9 \pm 0.085\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (3.1057 \pm 0.019\%) \cdot 10^6$$

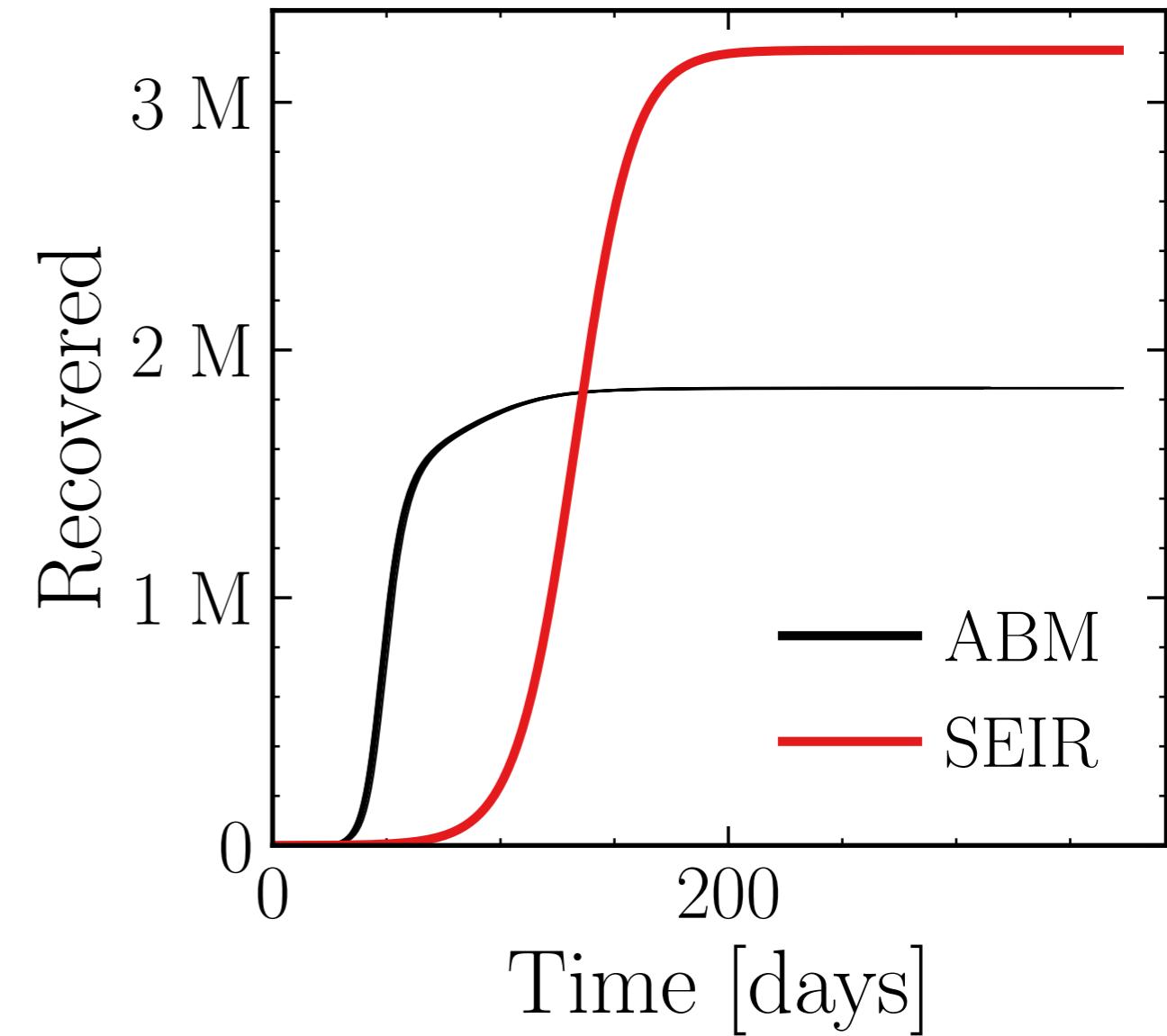


$N_{\text{tot}} = 5M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (350.2 \pm 0.059\%) \cdot 10^3$$



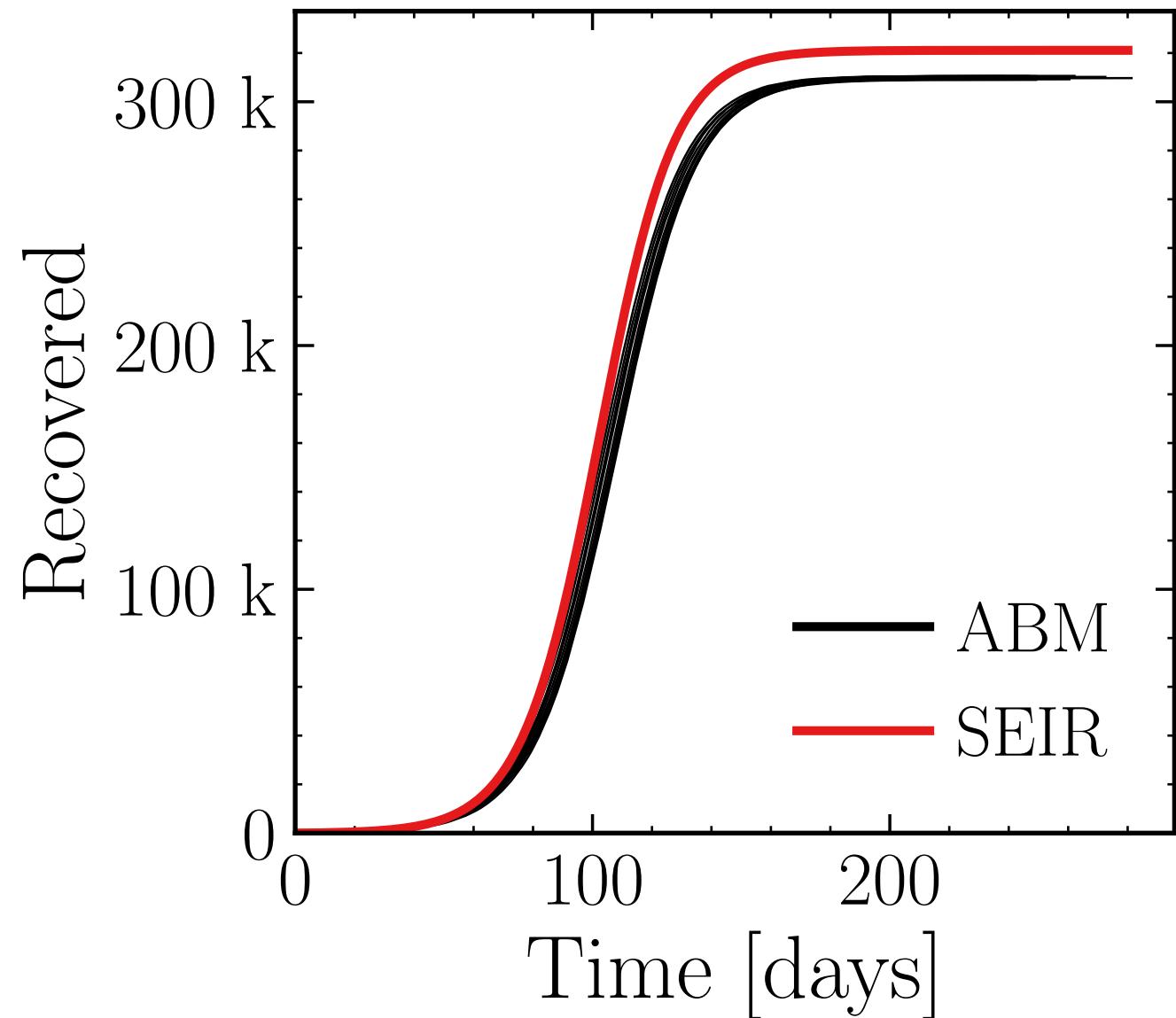
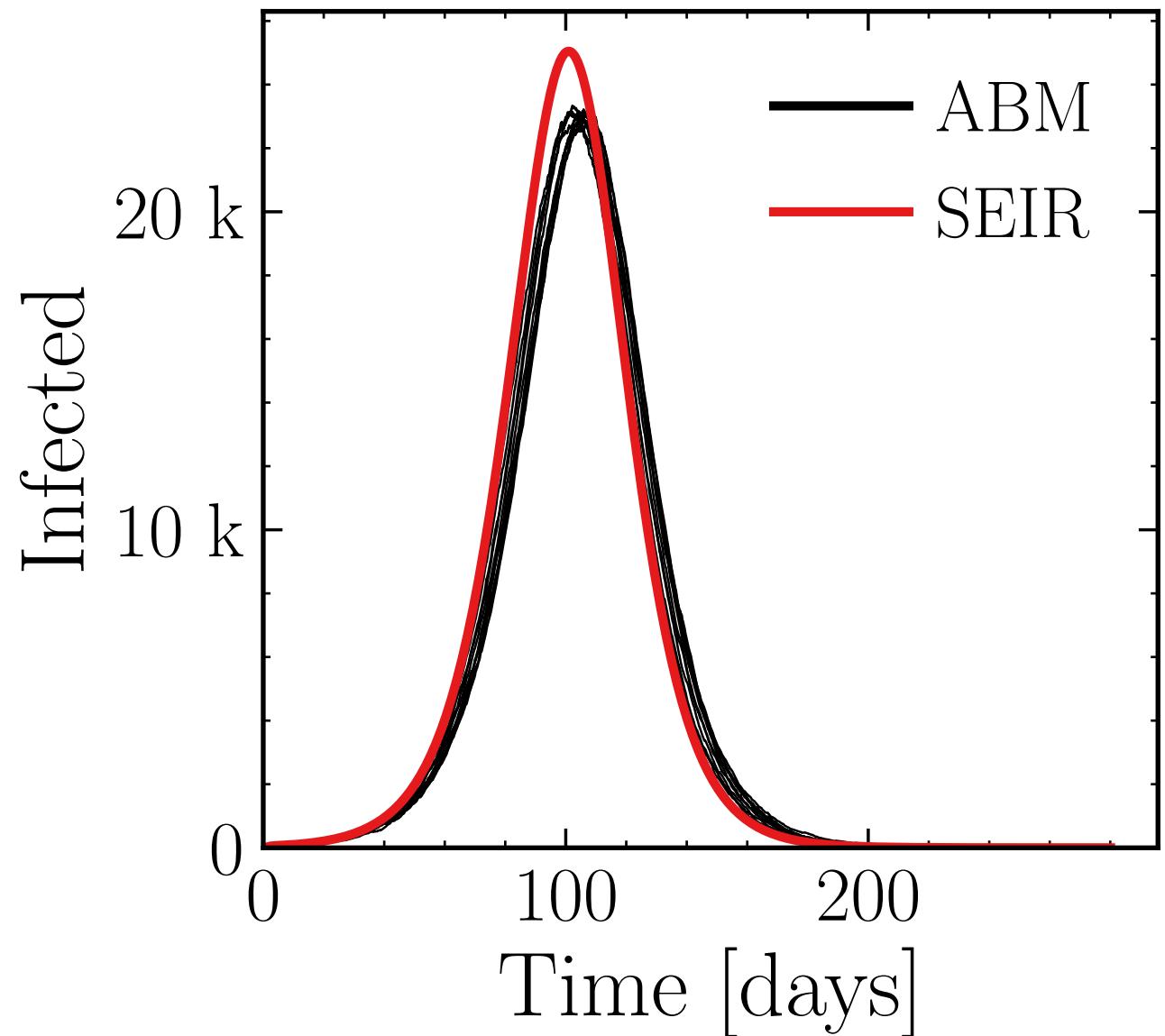
$$R_\infty^{\text{ABM}} = (1.8457 \pm 0.017\%) \cdot 10^6$$



$N_{\text{tot}} = 500K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

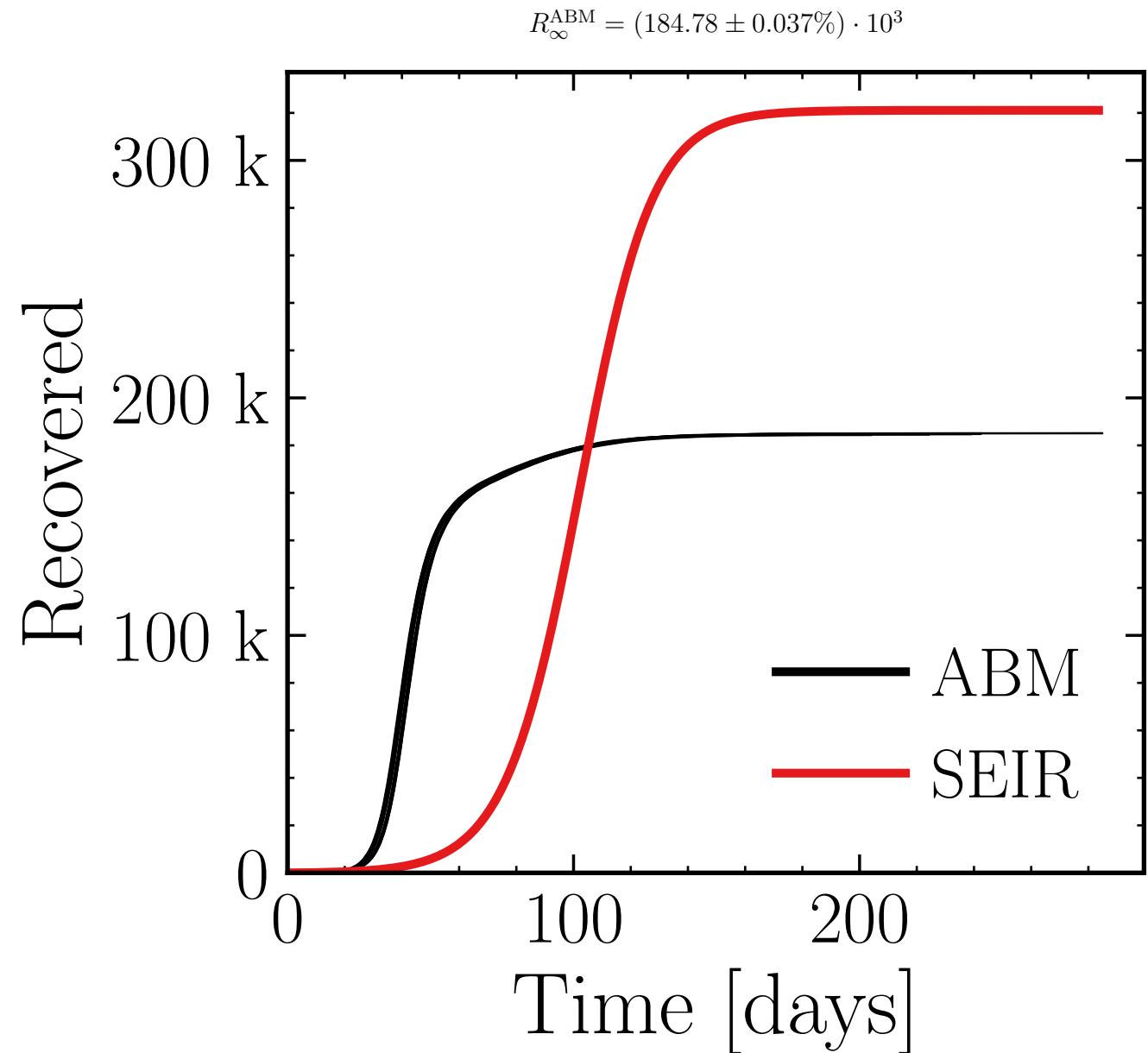
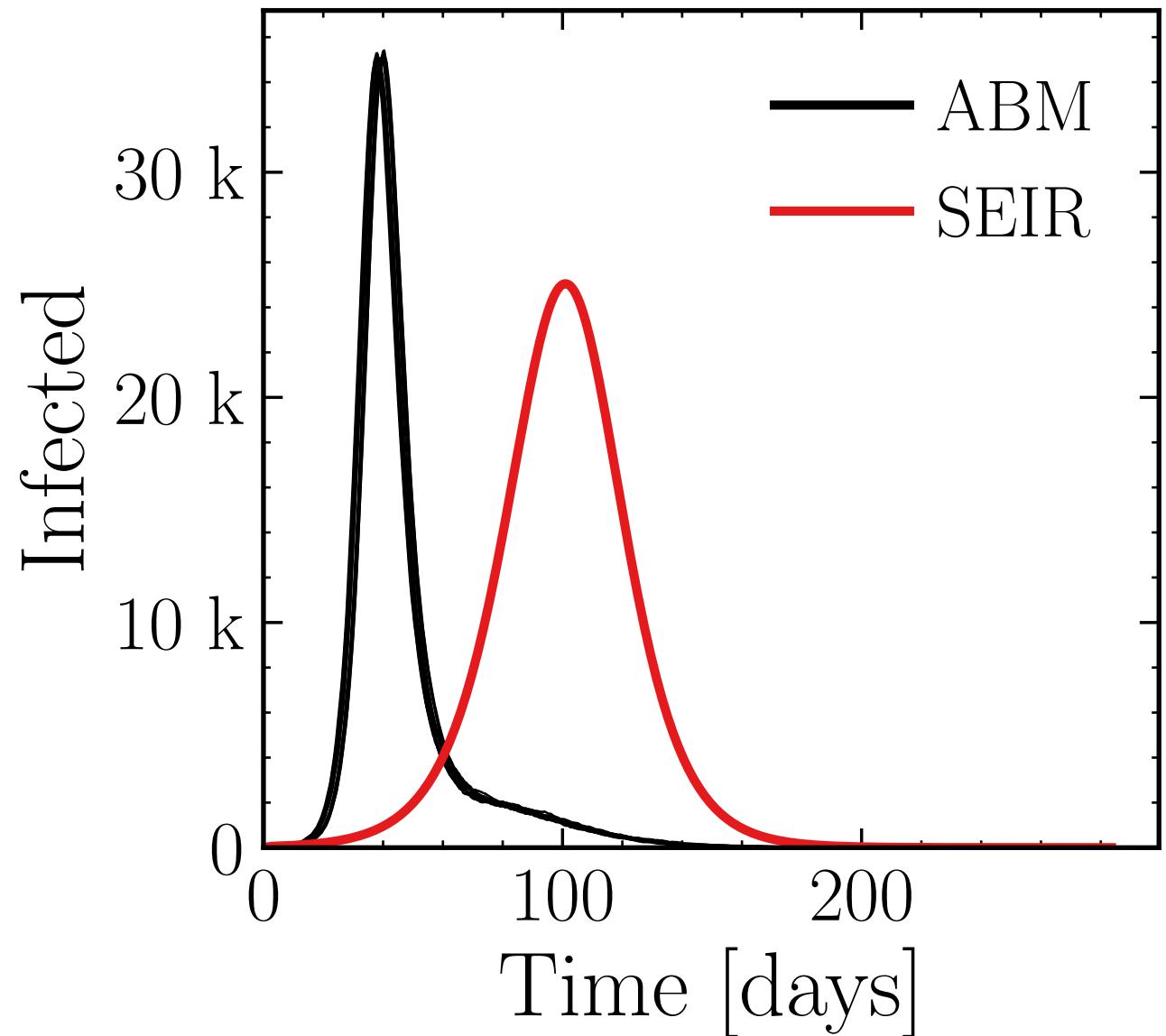
$$I_{\max}^{\text{ABM}} = (23.06 \pm 0.23\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (310 \pm 0.062\%) \cdot 10^3$$



$N_{\text{tot}} = 500K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

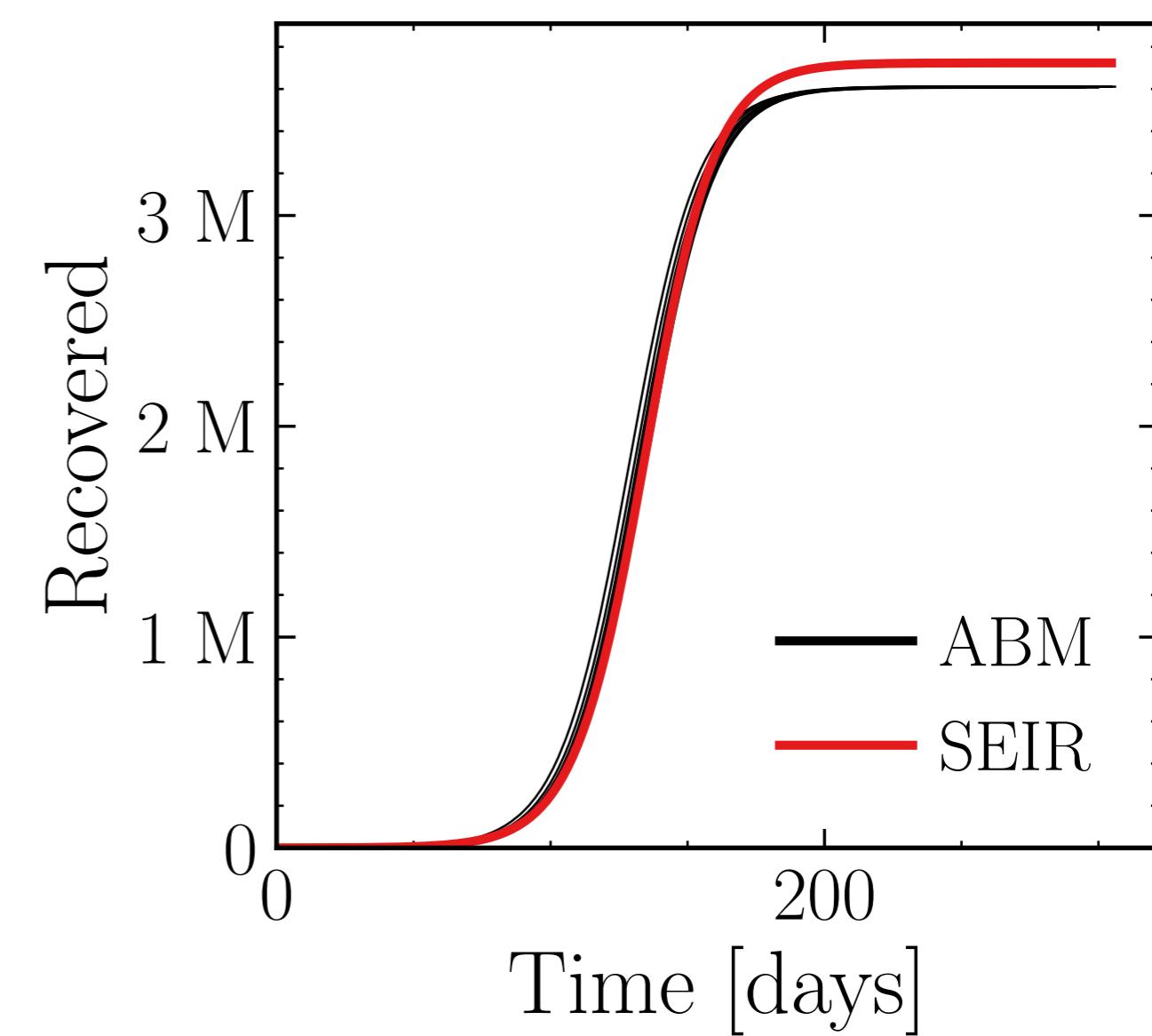
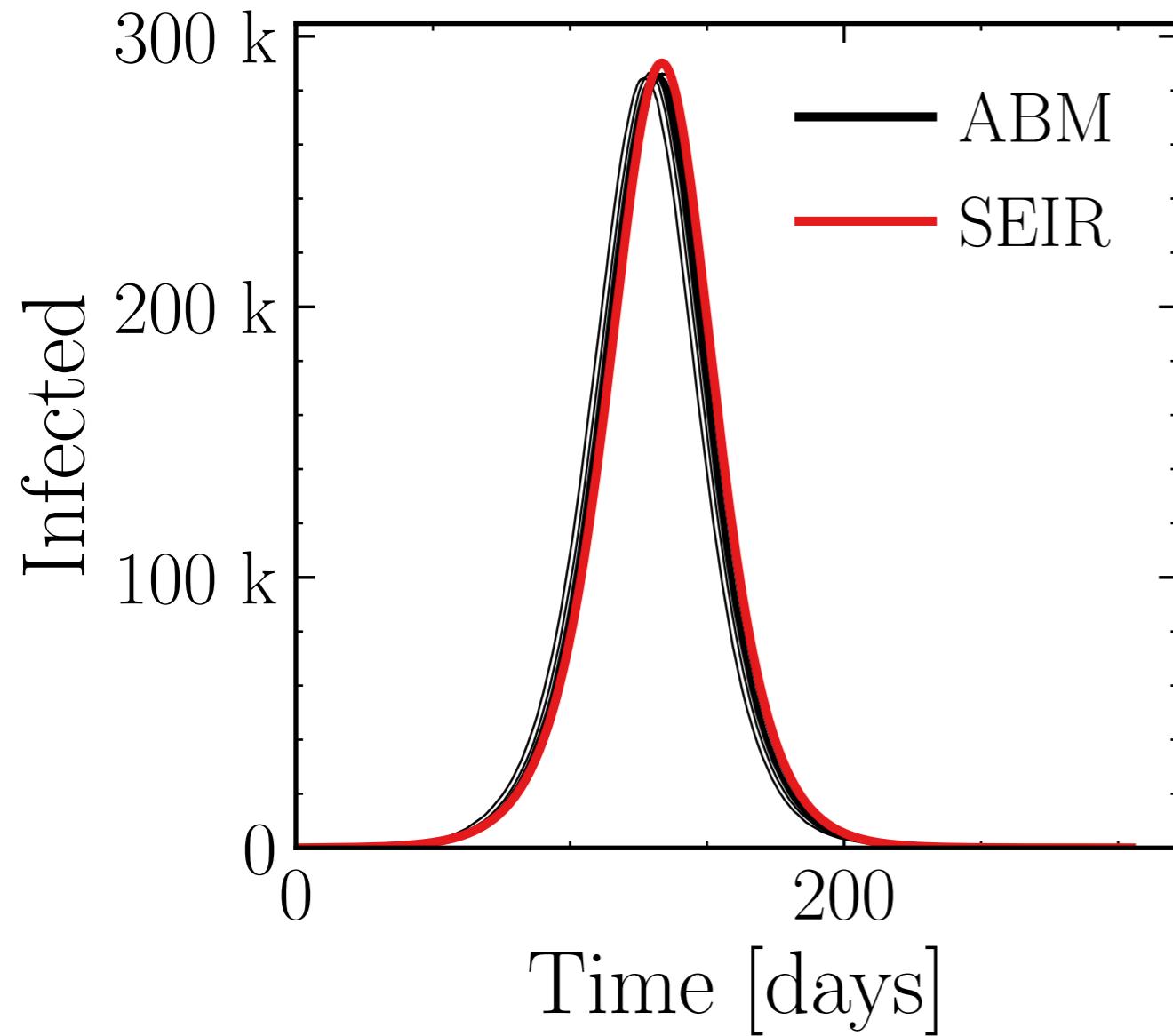
$$I_{\max}^{\text{ABM}} = (35.13 \pm 0.18\%) \cdot 10^3$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

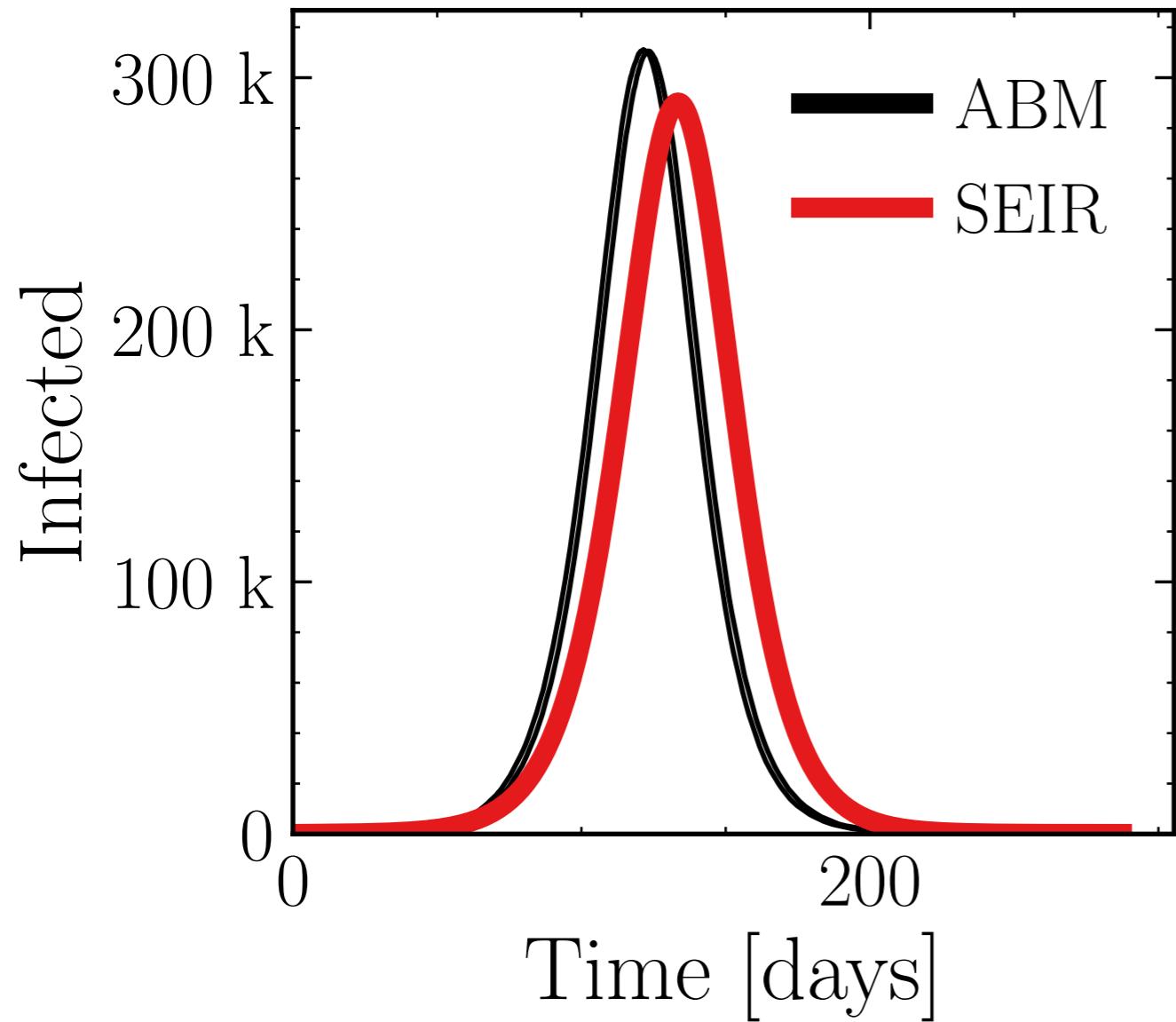
$$I_{\text{max}}^{\text{ABM}} = (285.7 \pm 0.075\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (3.6097 \pm 0.018\%) \cdot 10^6$$

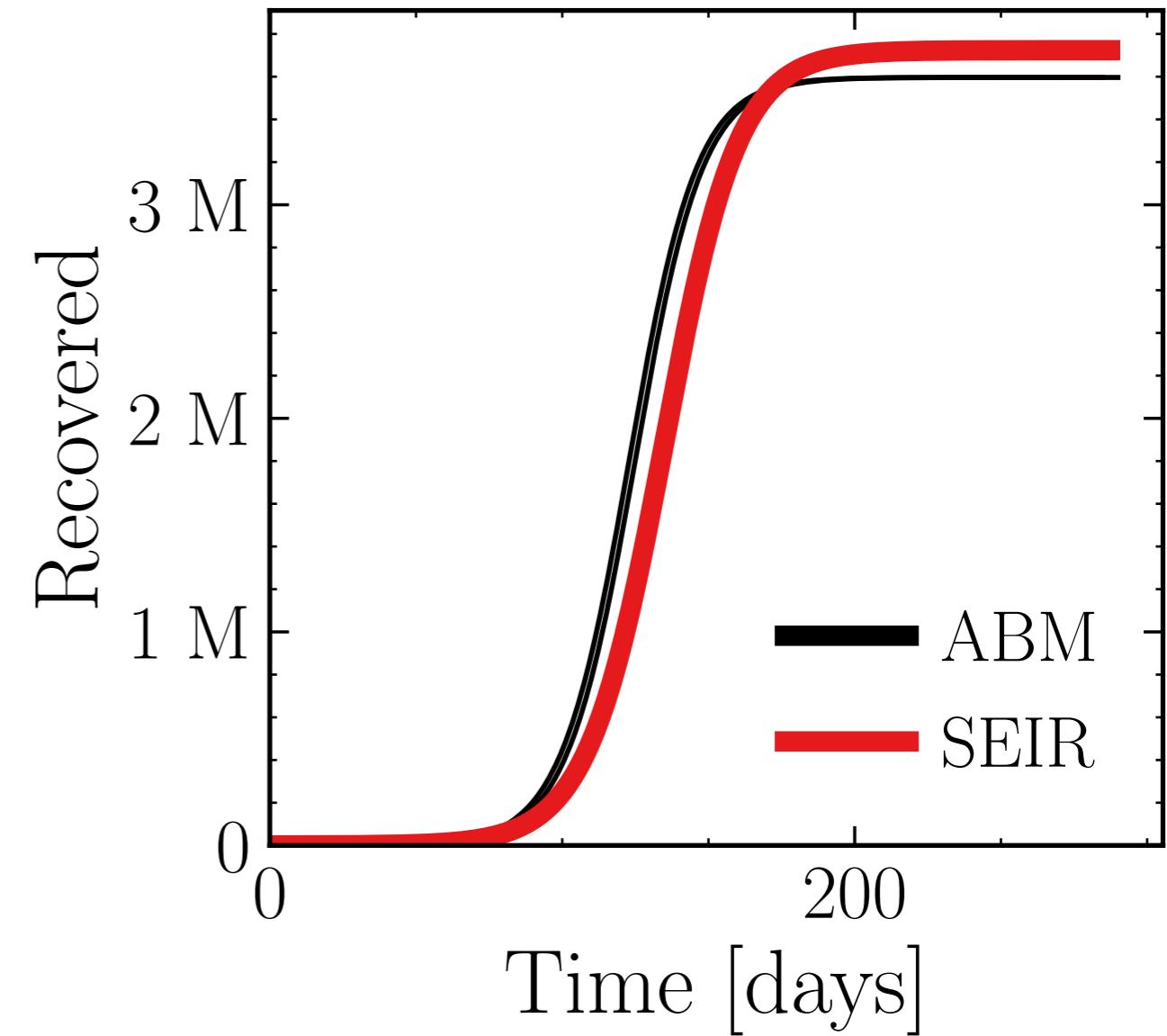


$N_{\text{tot}} = 5.8M$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #2

$$I_{\max}^{\text{ABM}} = (310.9 \pm 0.062\%) \cdot 10^3$$



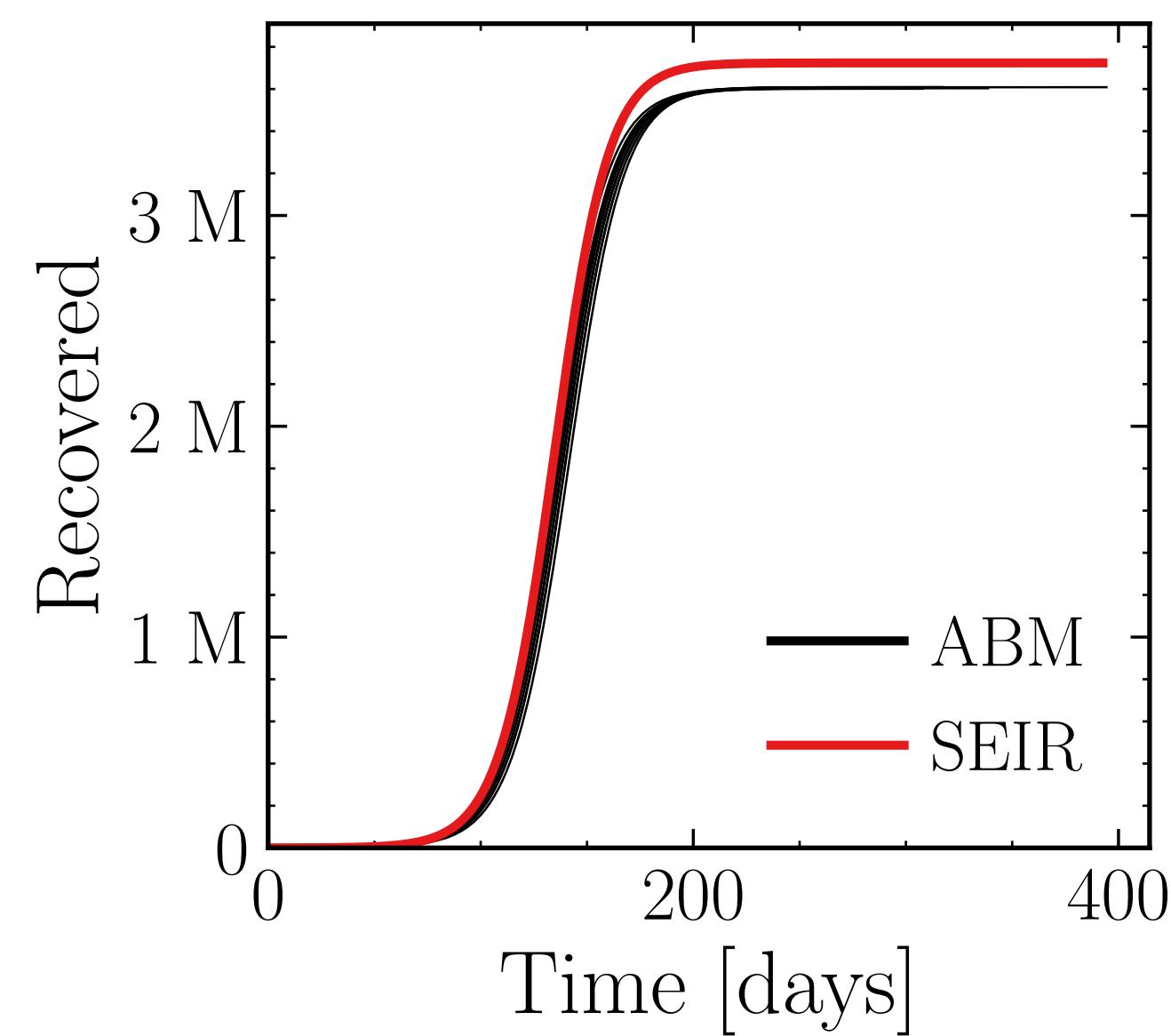
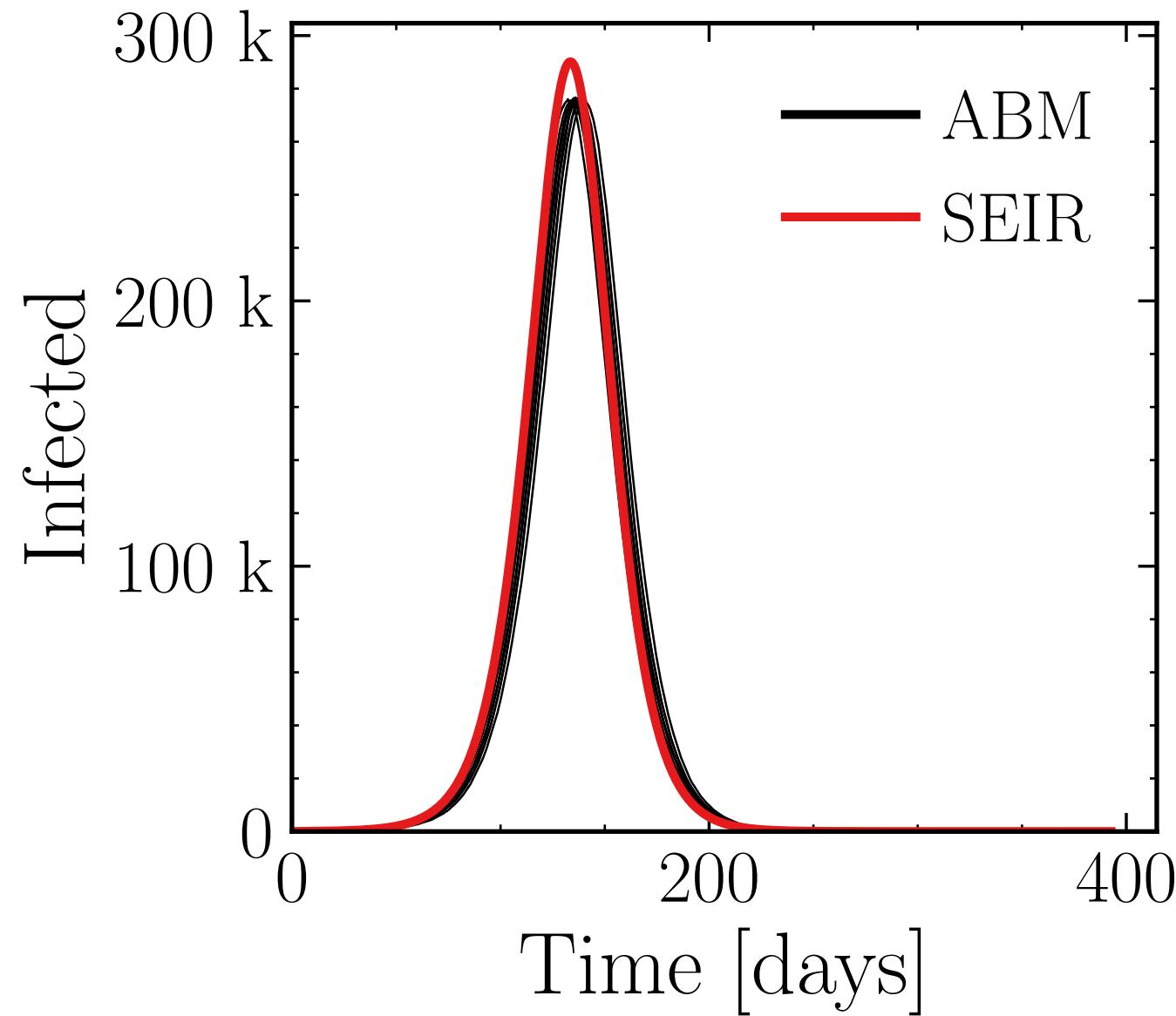
$$R_\infty^{\text{ABM}} = (3.59639 \pm 0.0014\%) \cdot 10^6$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (275.8 \pm 0.078\%) \cdot 10^3$$

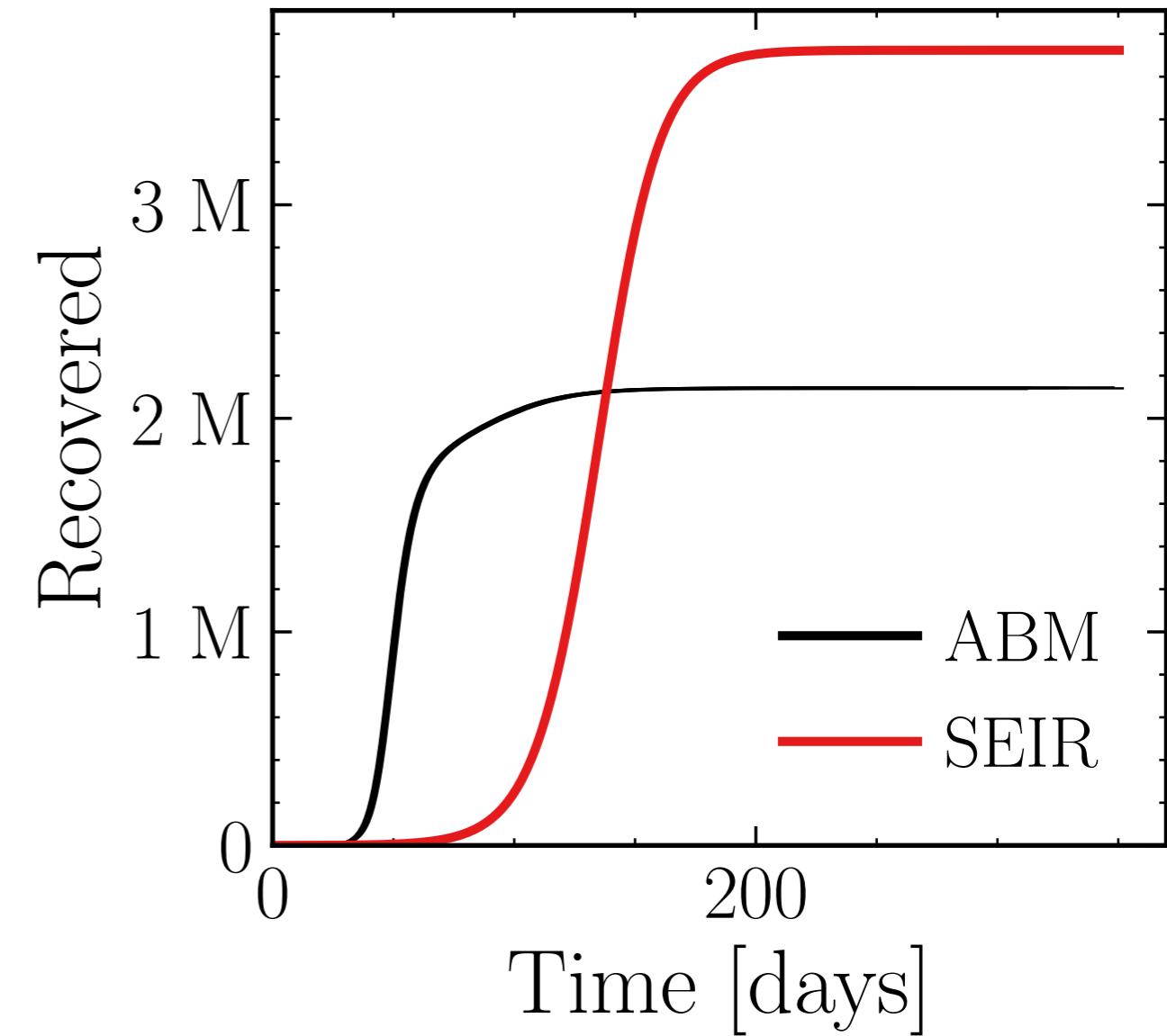
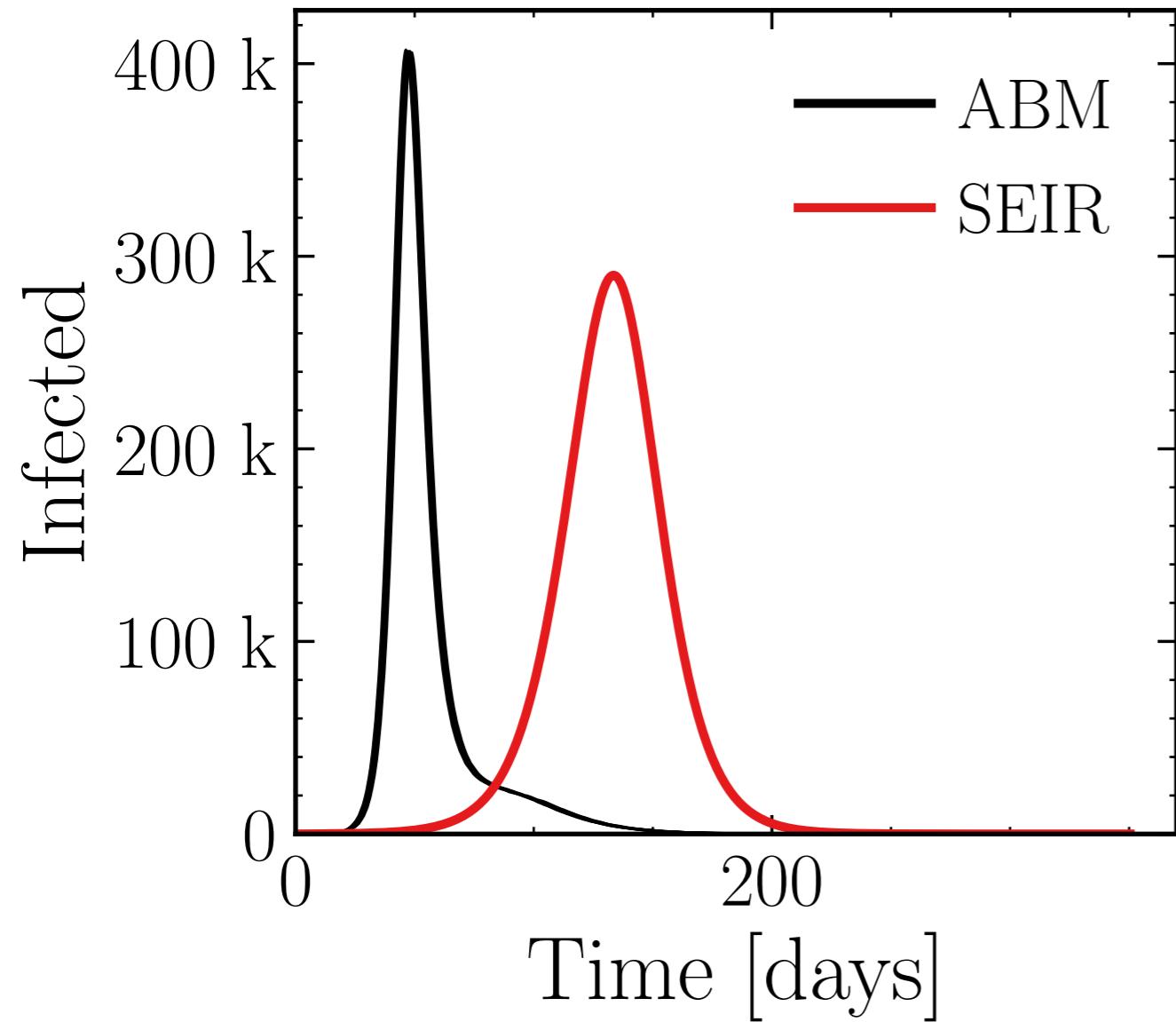
$$R_\infty^{\text{ABM}} = (3.6059 \pm 0.022\%) \cdot 10^6$$



$N_{\text{tot}} = 5.8M$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

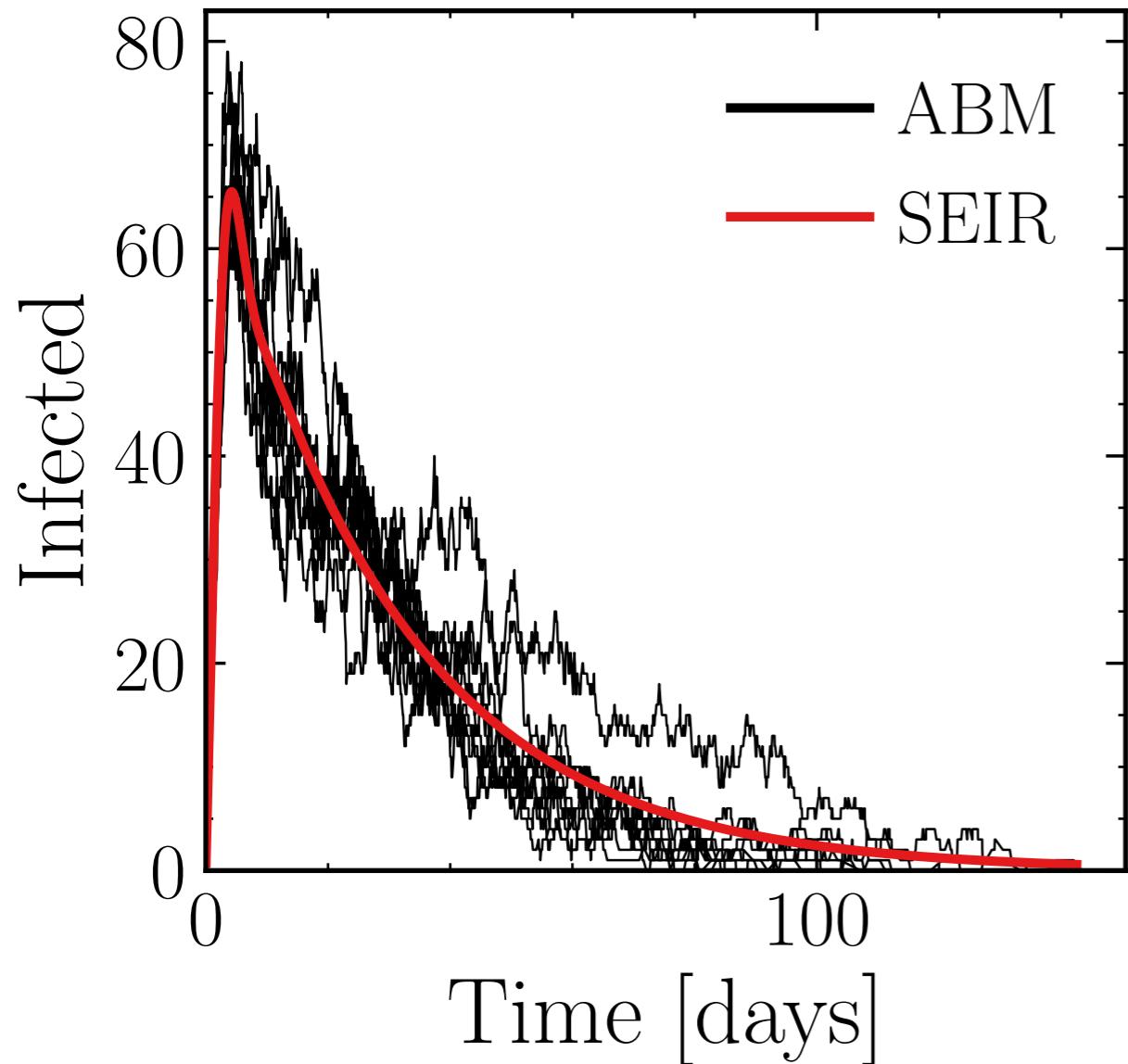
$$I_{\text{max}}^{\text{ABM}} = (406.2 \pm 0.037\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (2.1422 \pm 0.028\%) \cdot 10^6$$

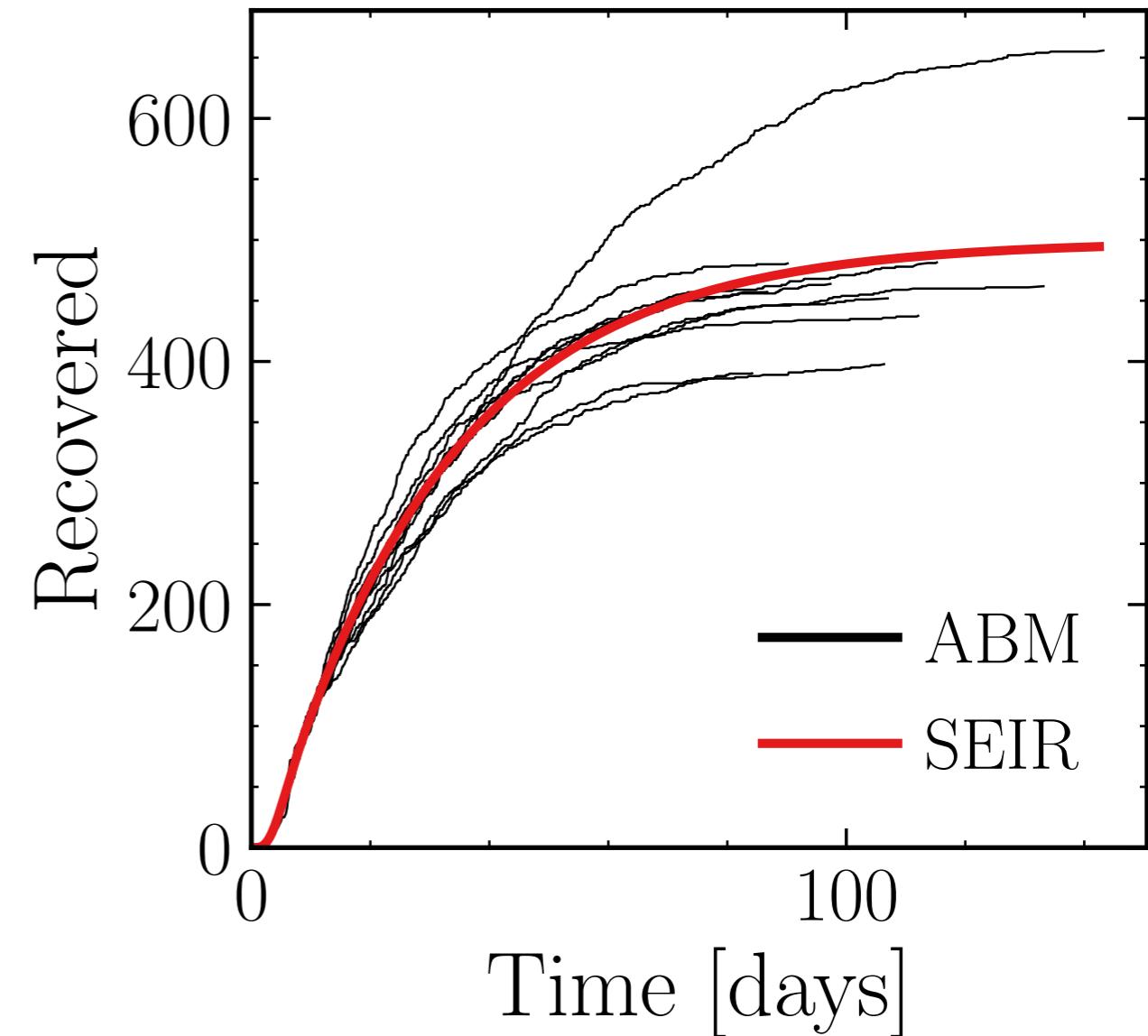


$N_{\text{tot}} = 580K$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (71 \pm 2.2\%) \cdot$$



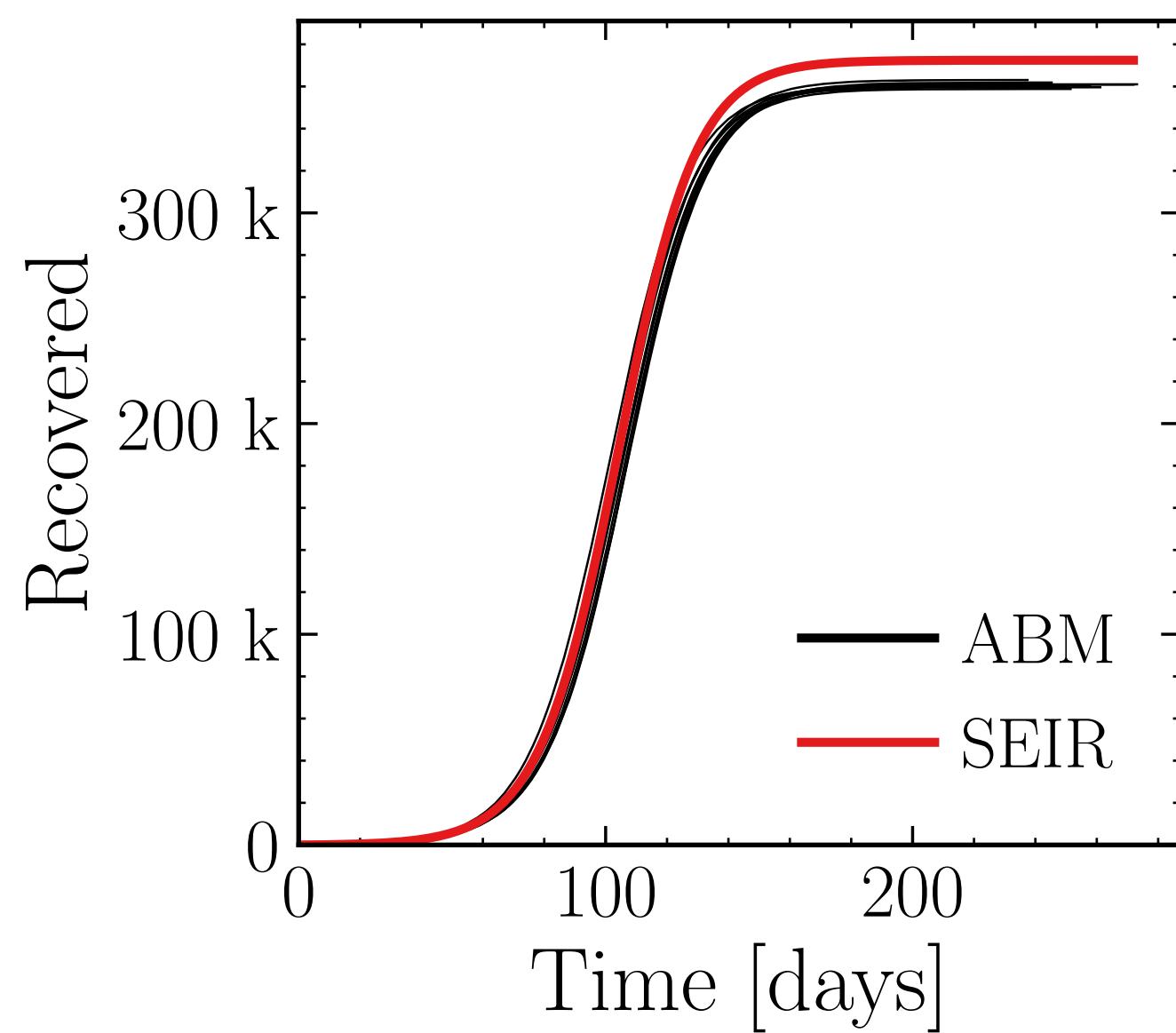
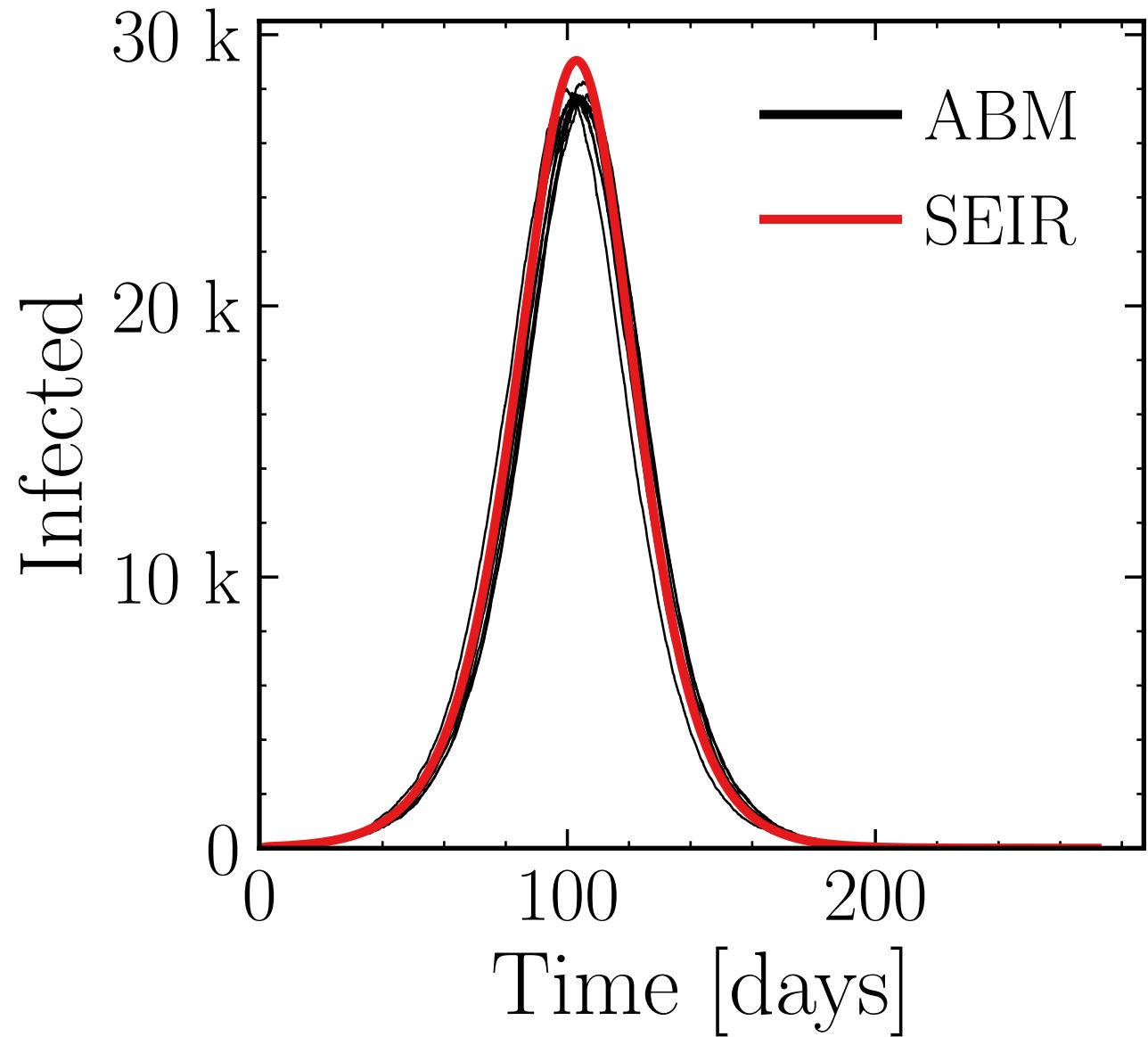
$$R_\infty^{\text{ABM}} = (470 \pm 4.7\%) \cdot$$



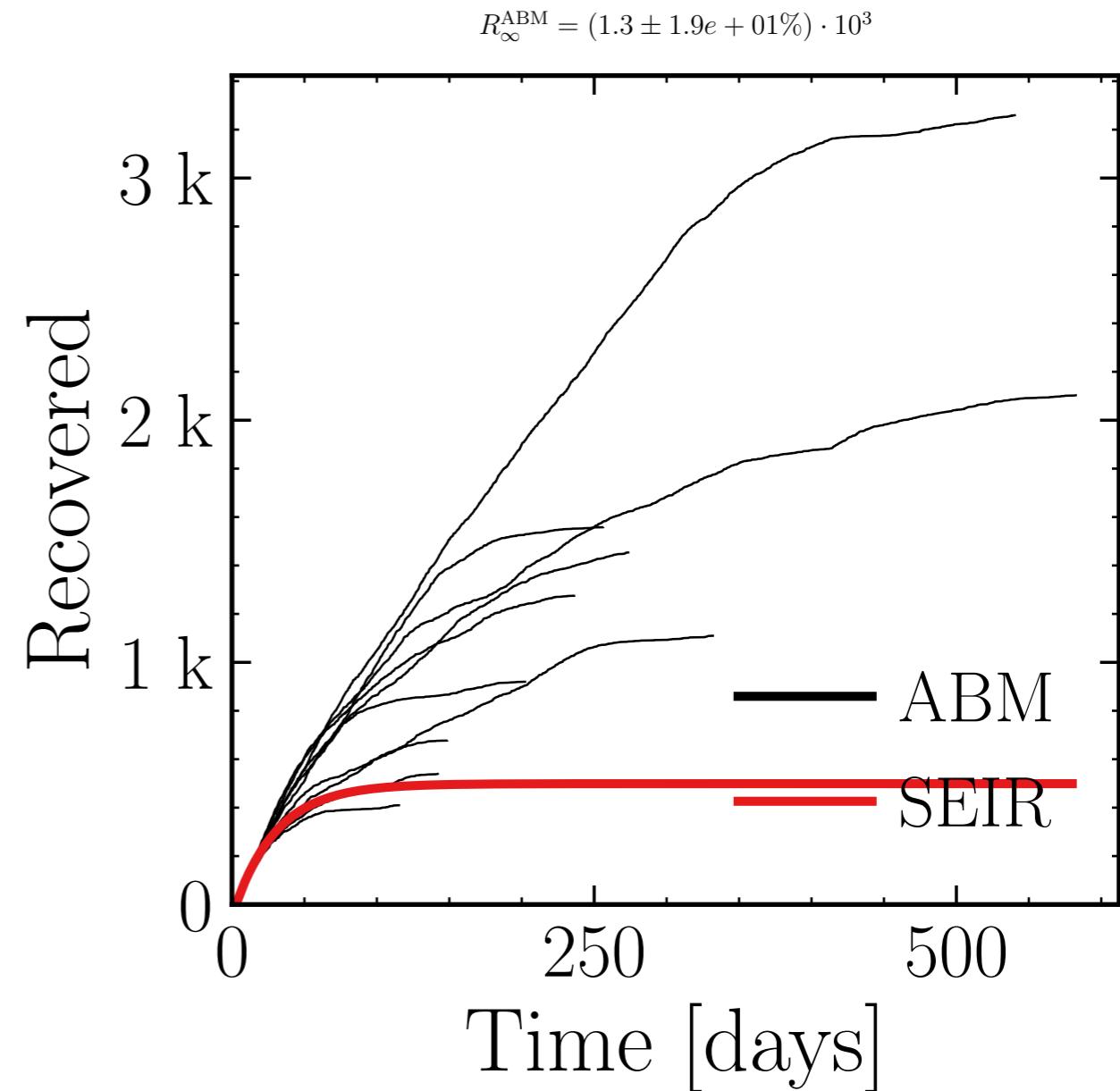
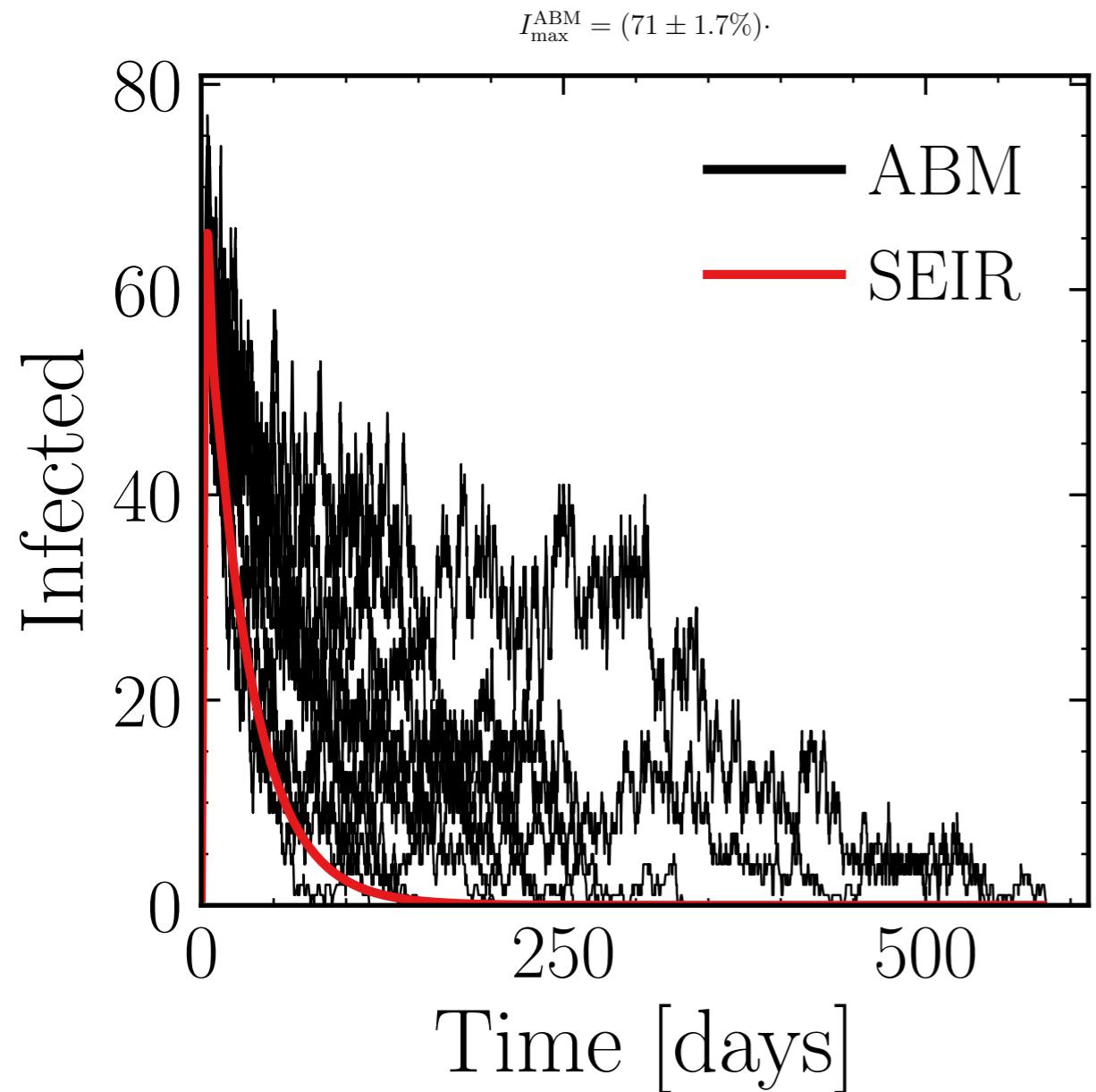
$N_{\text{tot}} = 580K$, $\rho = 0.005$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (27.8 \pm 0.23\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (360.7 \pm 0.097\%) \cdot 10^3$$



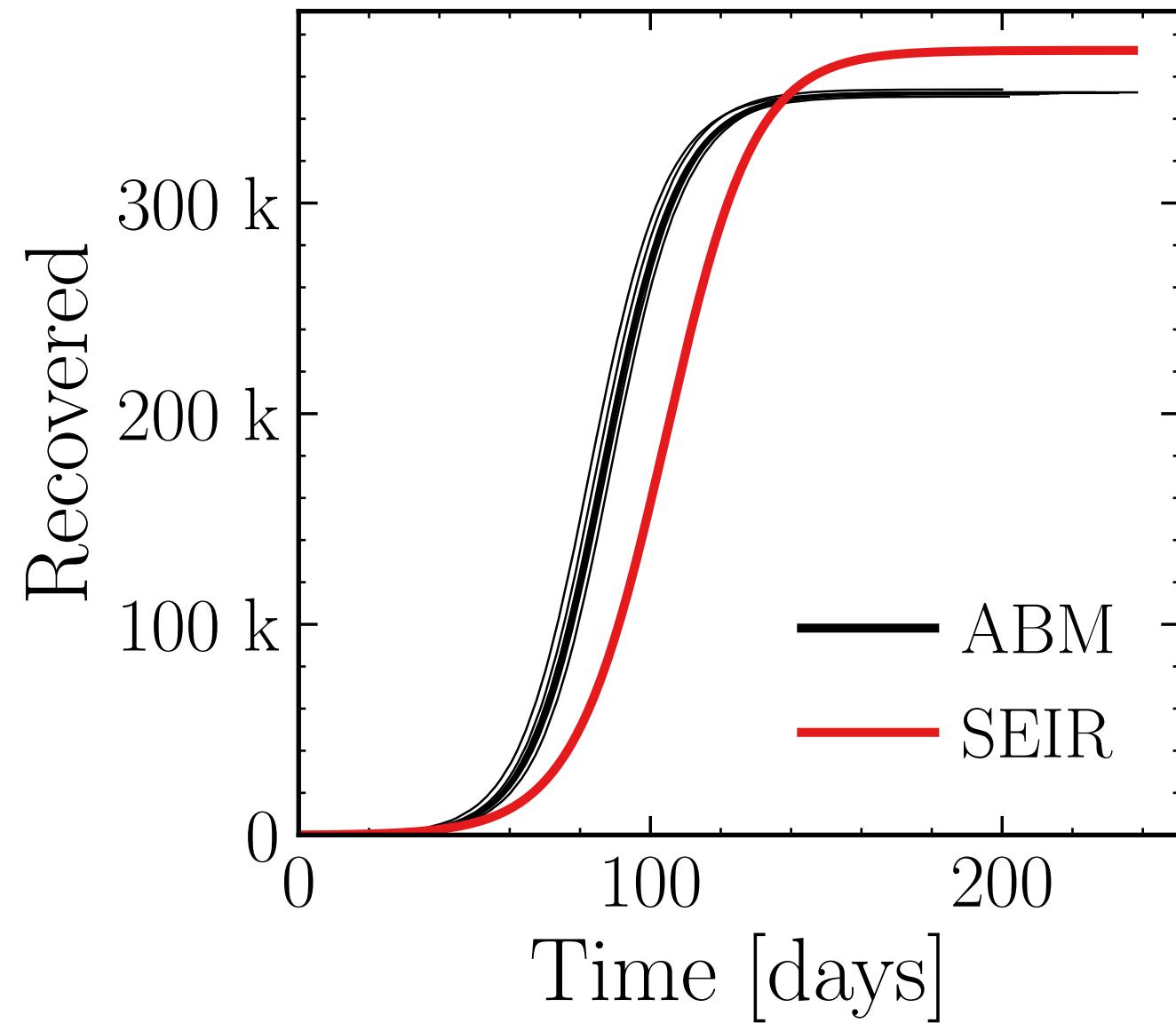
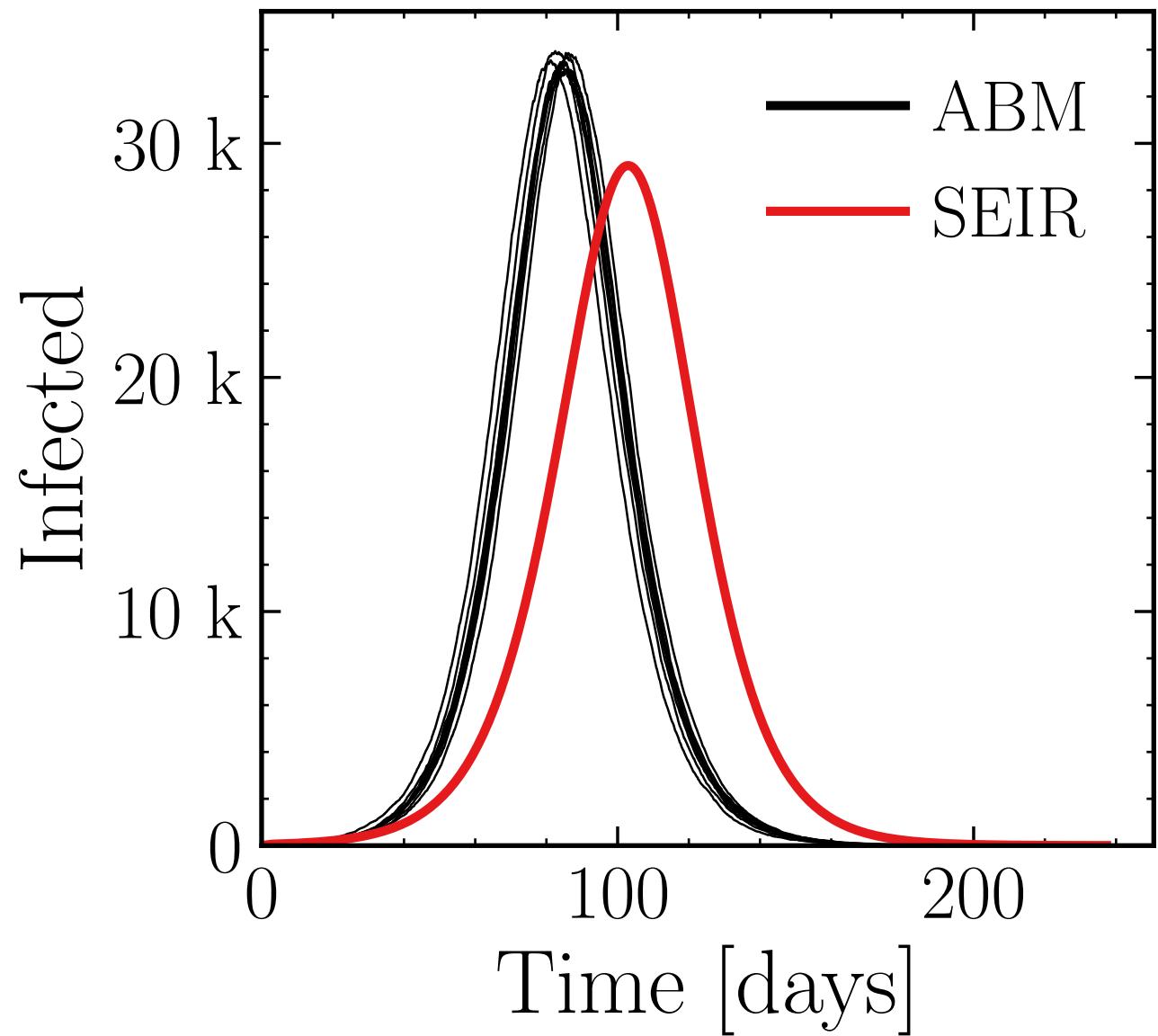
$N_{\text{tot}} = 580K$, $\rho = 0.015$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10



$N_{\text{tot}} = 580K$, $\rho = 0.015$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

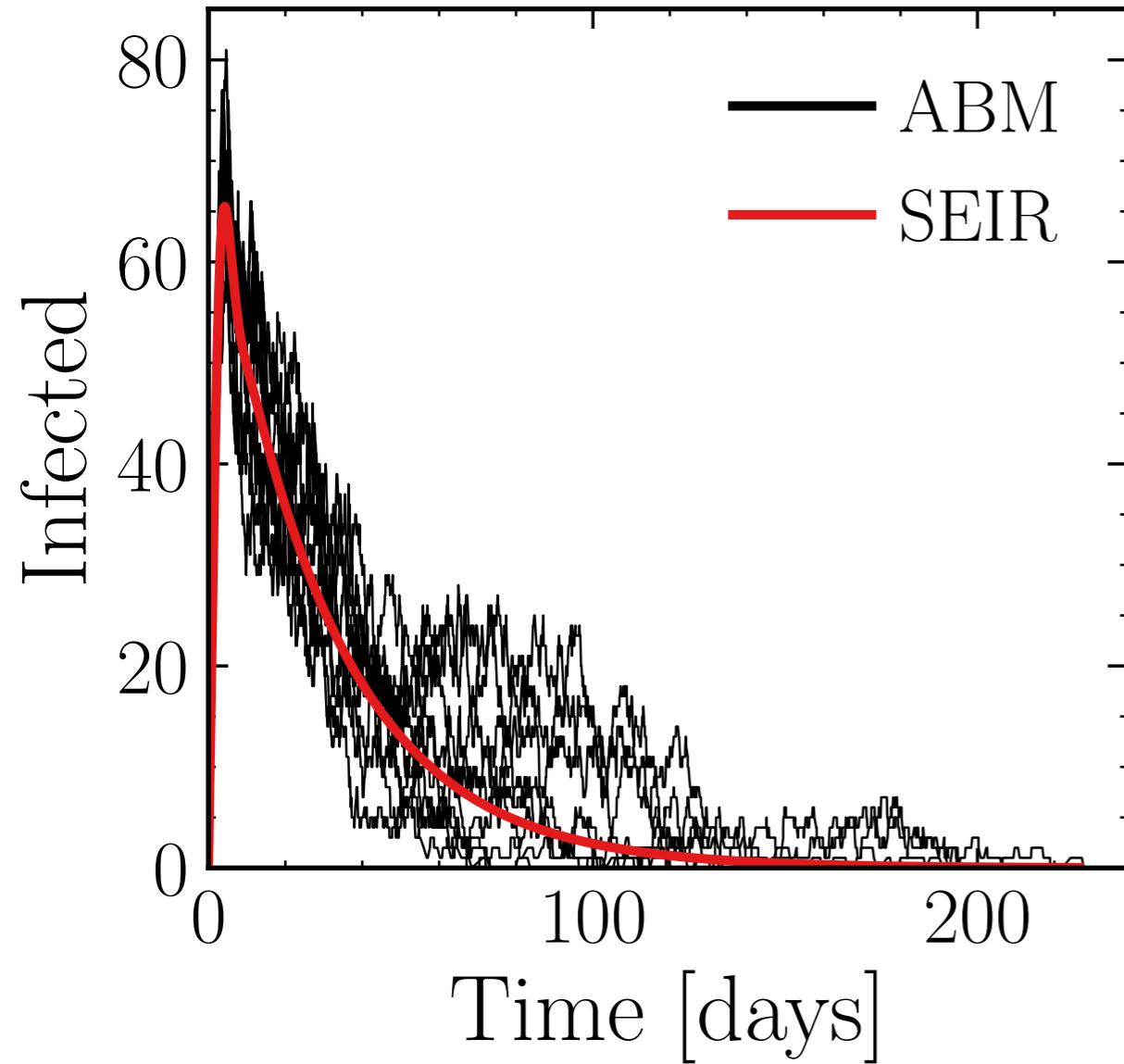
$$I_{\max}^{\text{ABM}} = (33.46 \pm 0.27\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (352.2 \pm 0.072\%) \cdot 10^3$$

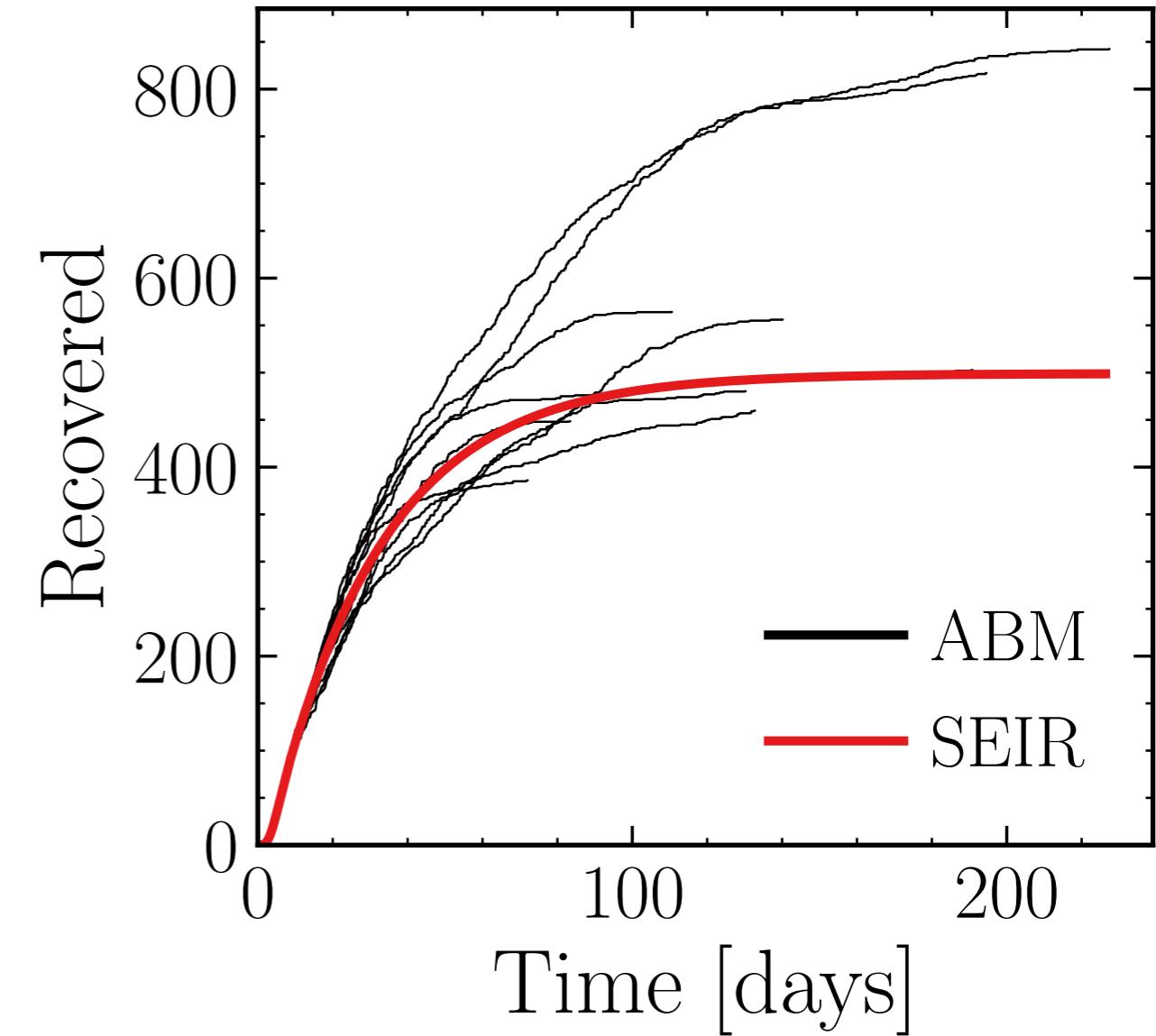


$N_{\text{tot}} = 580K$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (72 \pm 2.3\%) \cdot$$



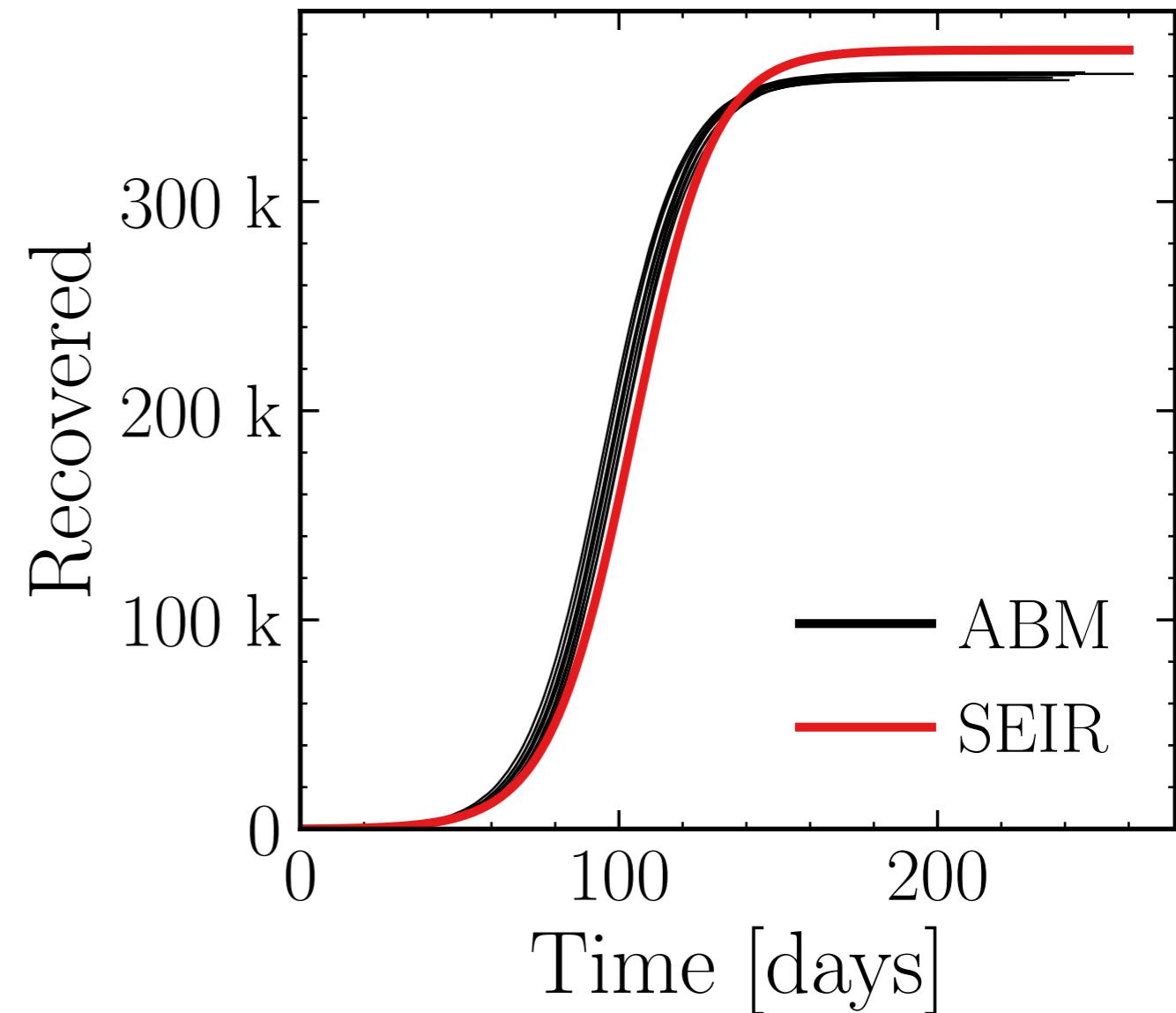
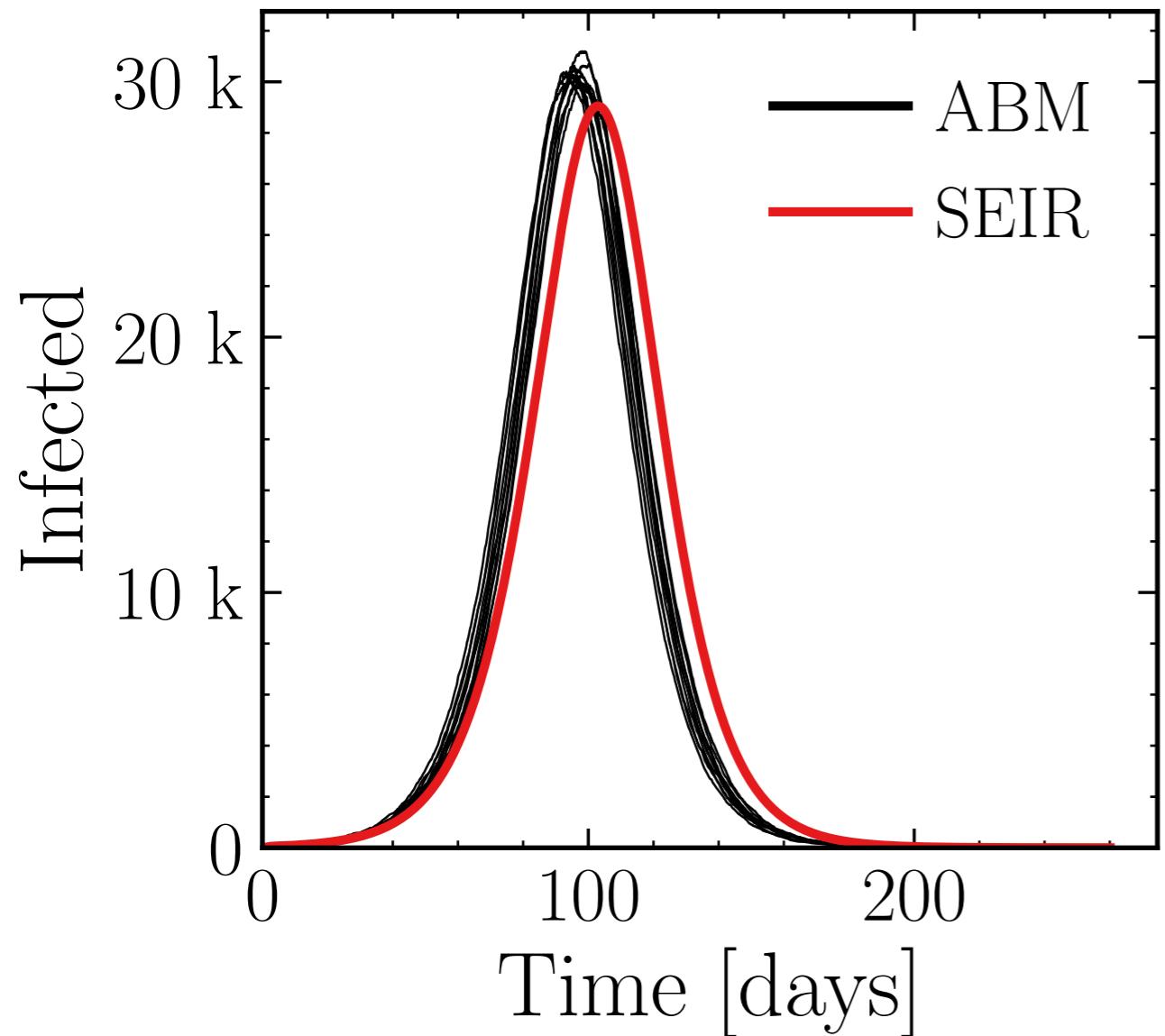
$$R_\infty^{\text{ABM}} = (550 \pm 8.5\%) \cdot$$



$N_{\text{tot}} = 580K$, $\rho = 0.01$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (30.4 \pm 0.38\%) \cdot 10^3$$

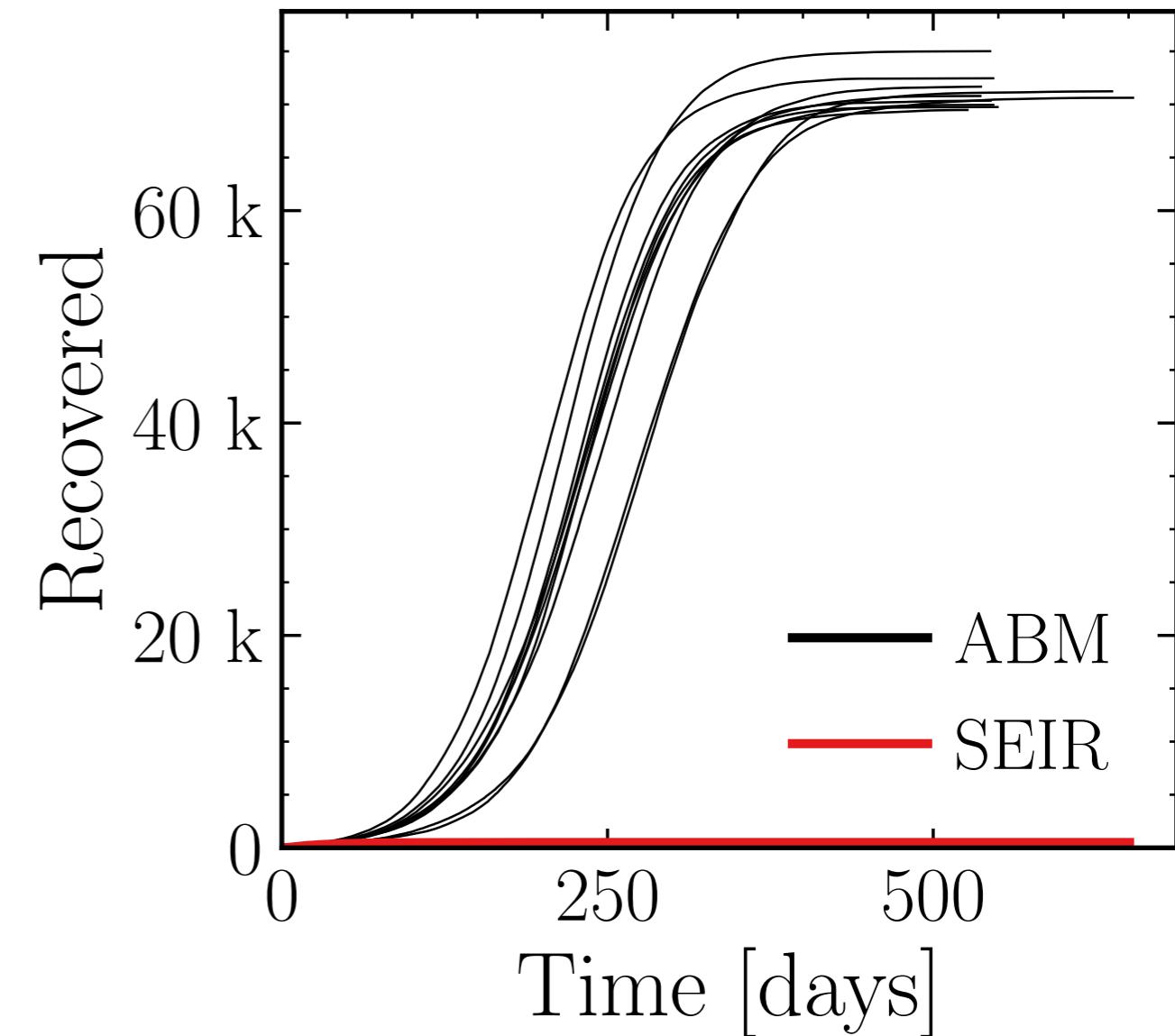
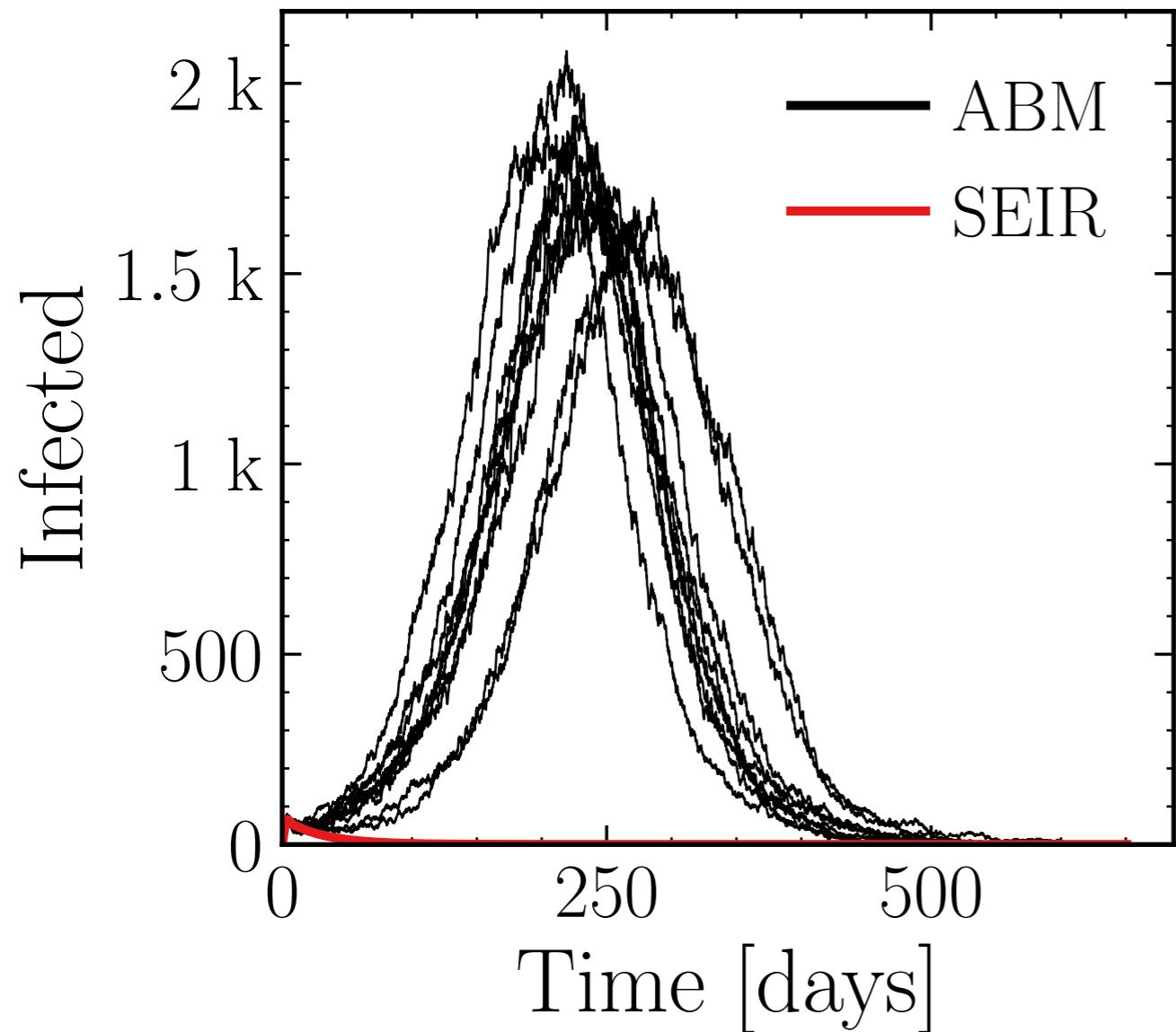
$$R_\infty^{\text{ABM}} = (359.8 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.025$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (1.82 \pm 2.3\%) \cdot 10^3$$

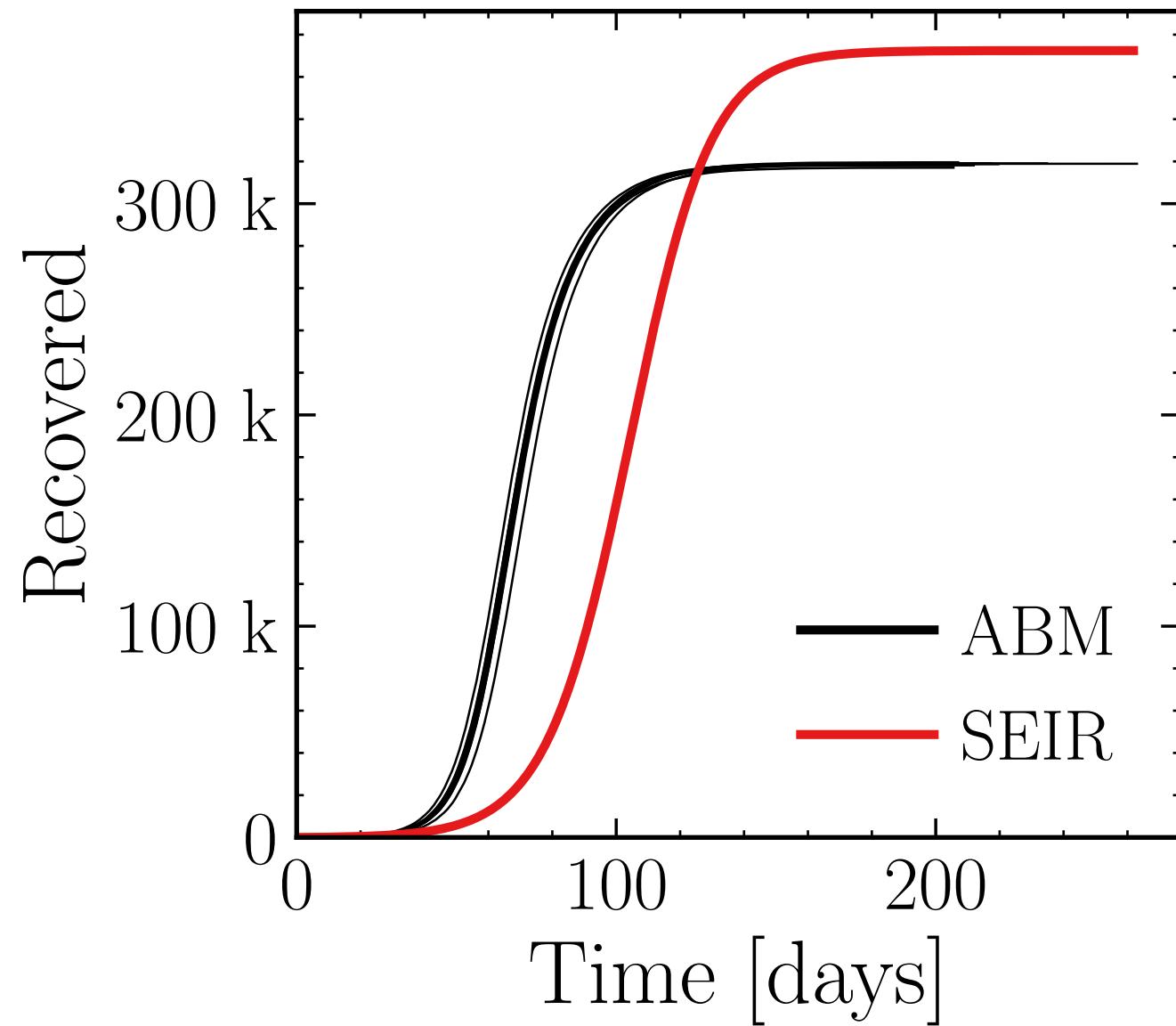
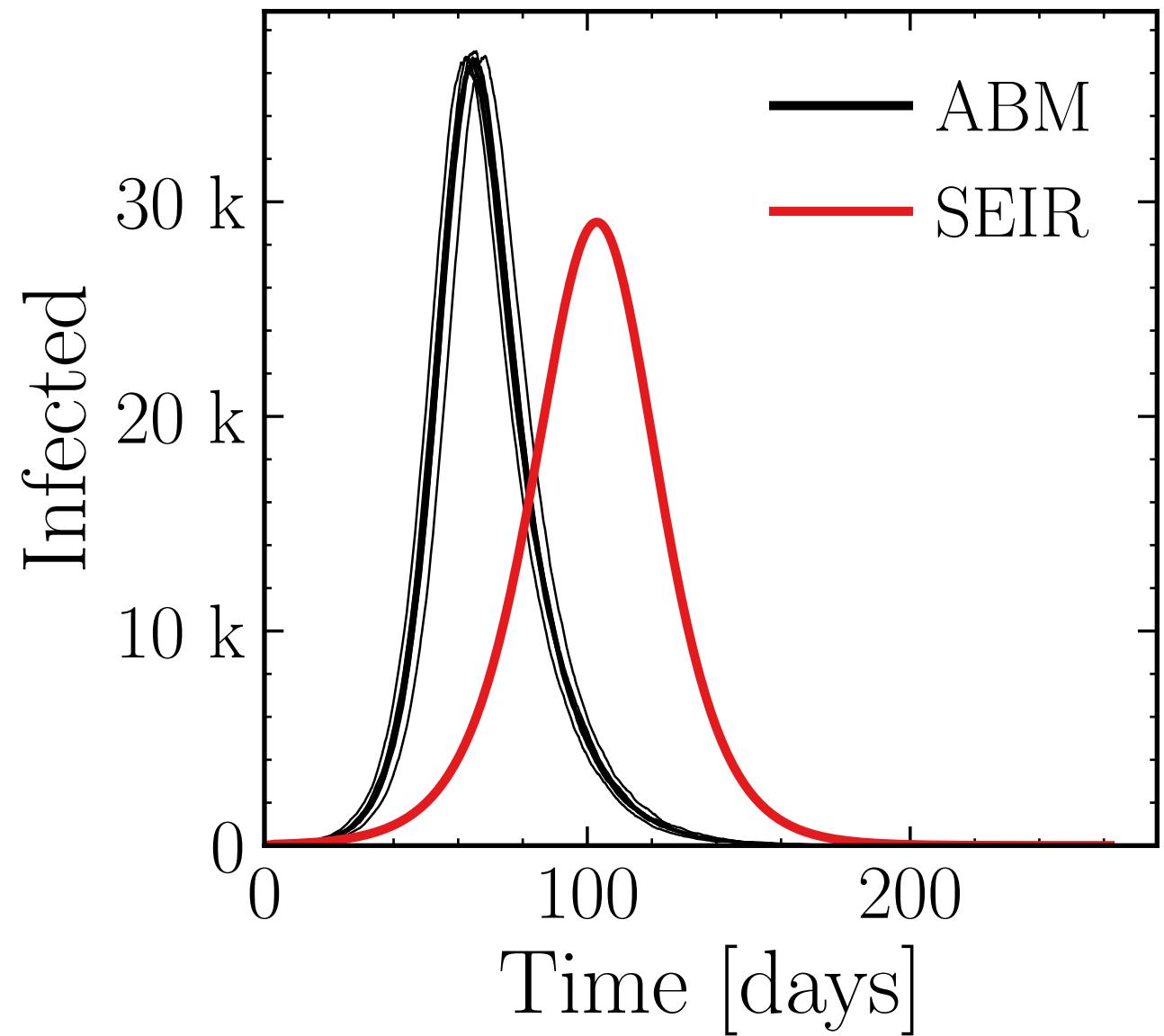
$$R_\infty^{\text{ABM}} = (71.1 \pm 0.69\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.025$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

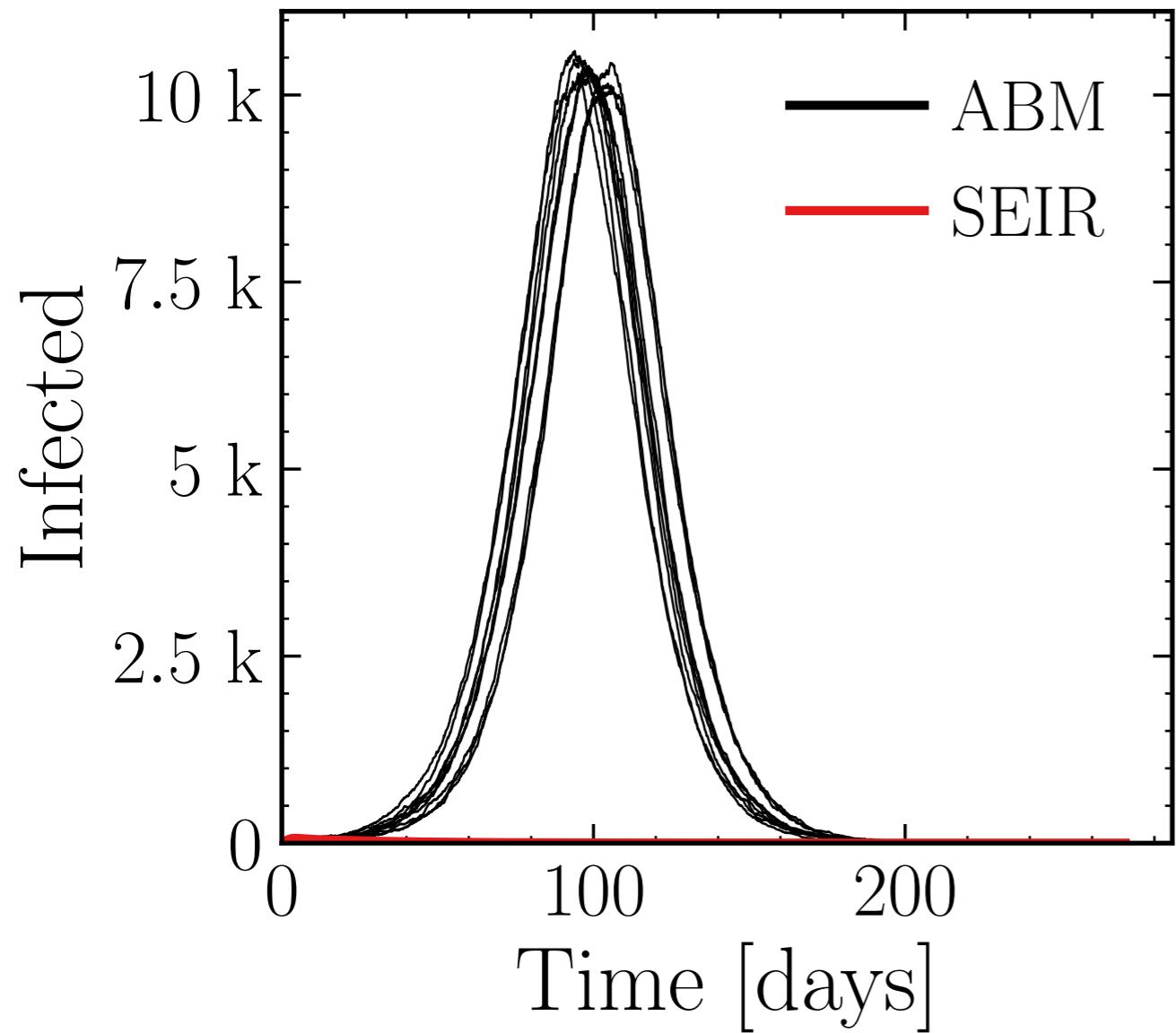
$$I_{\max}^{\text{ABM}} = (36.65 \pm 0.2\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (318.7 \pm 0.065\%) \cdot 10^3$$

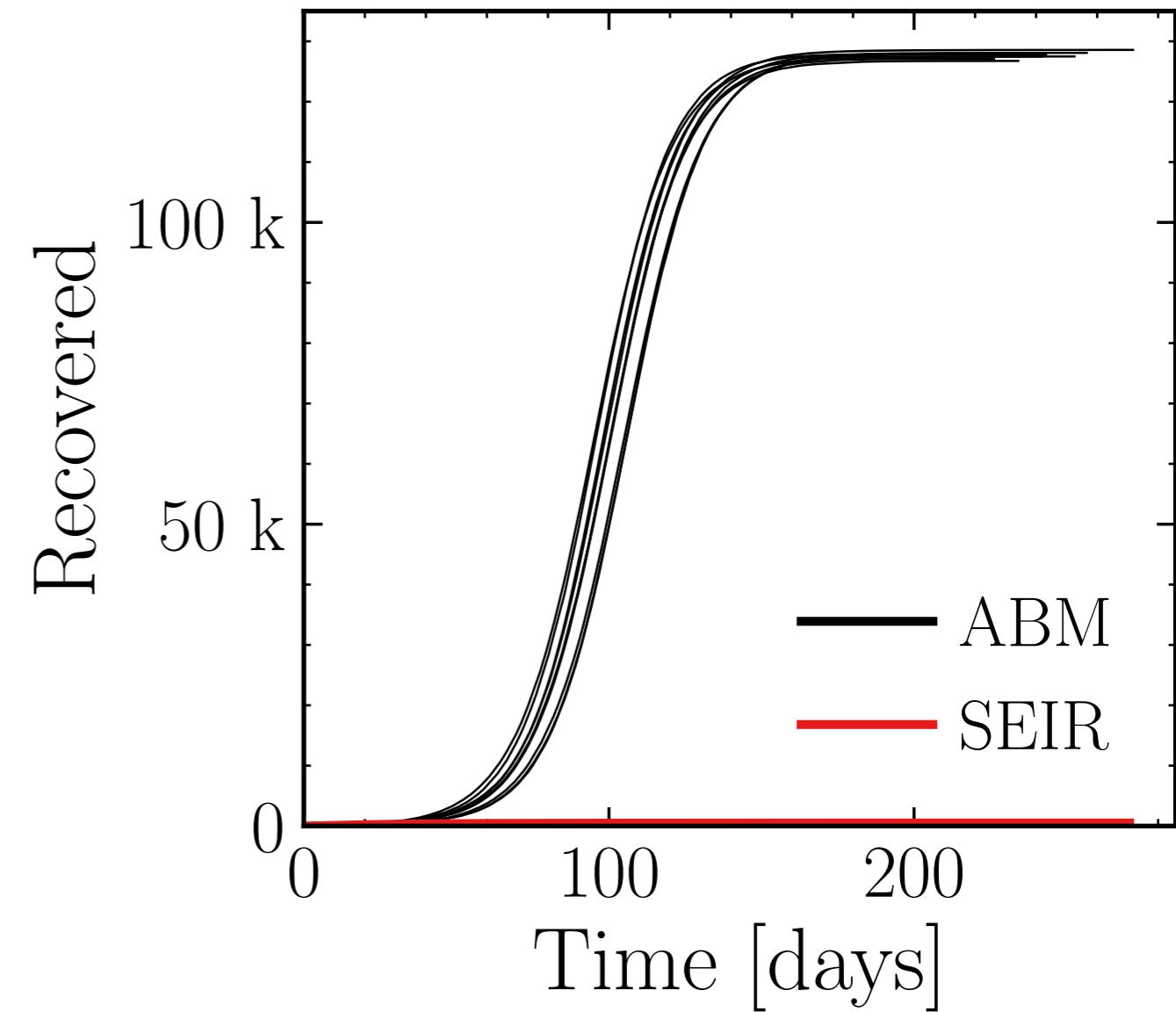


$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (10.34 \pm 0.44\%) \cdot 10^3$$

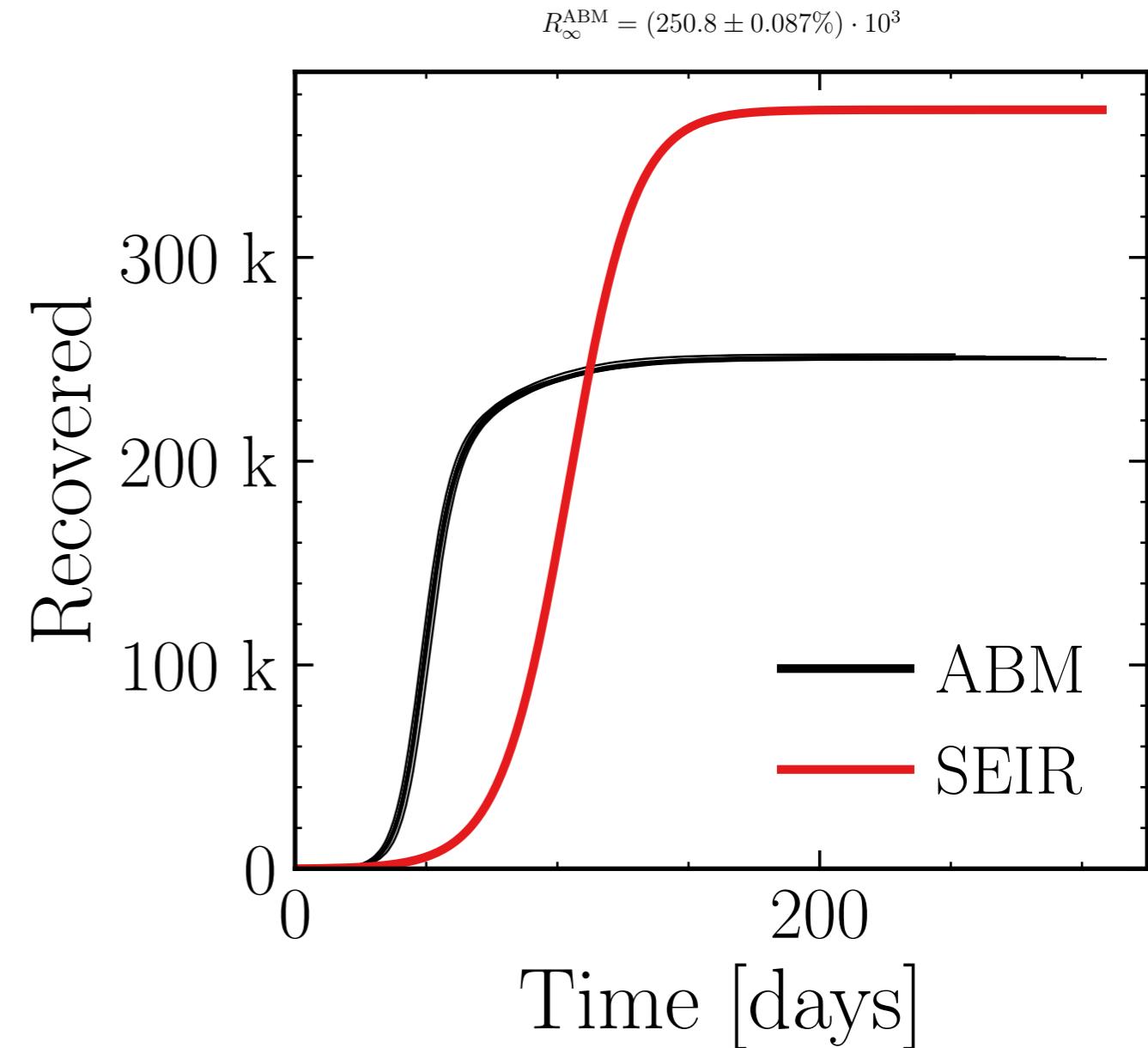
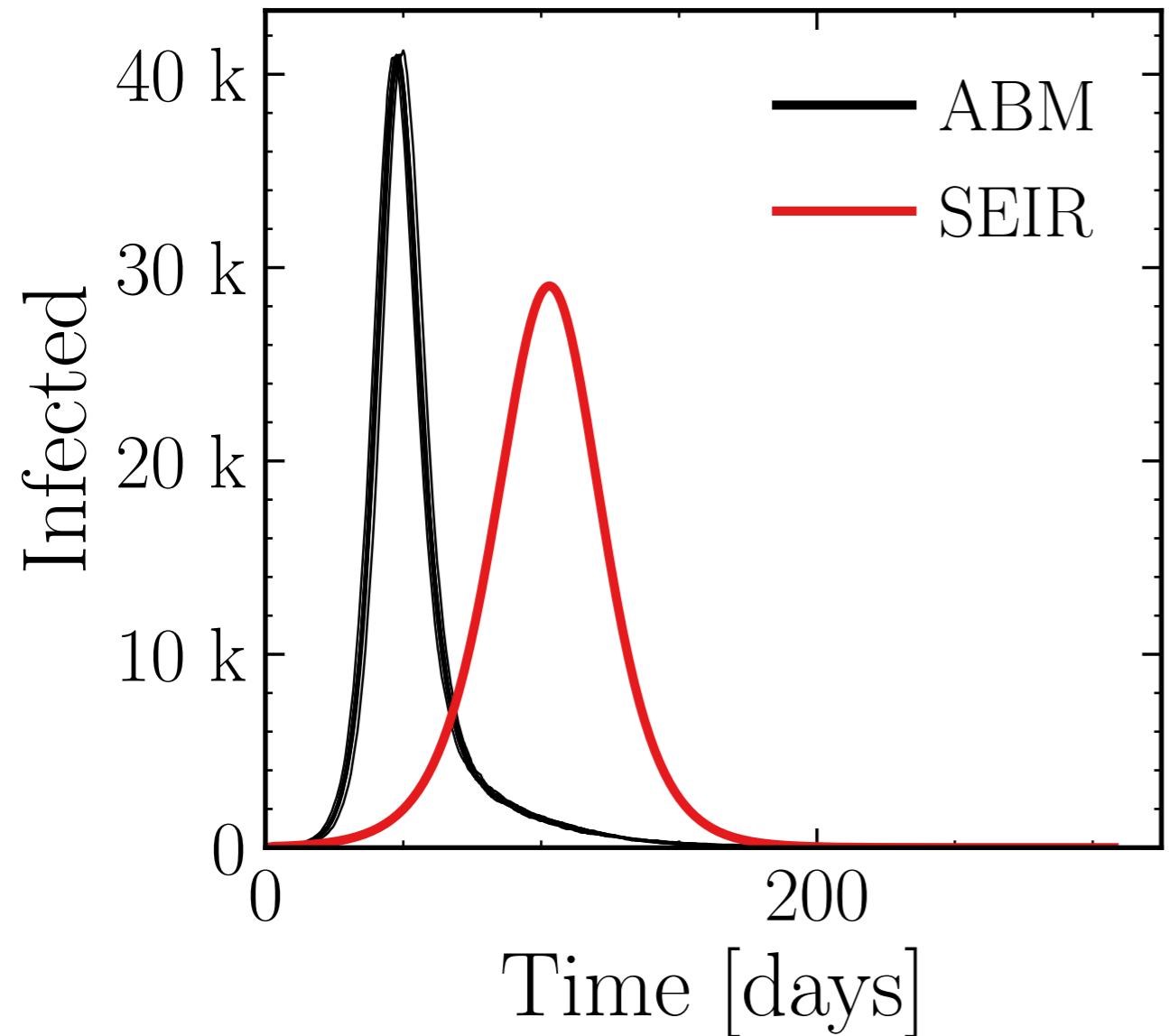


$$R_{\infty}^{\text{ABM}} = (127.7 \pm 0.12\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.05$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

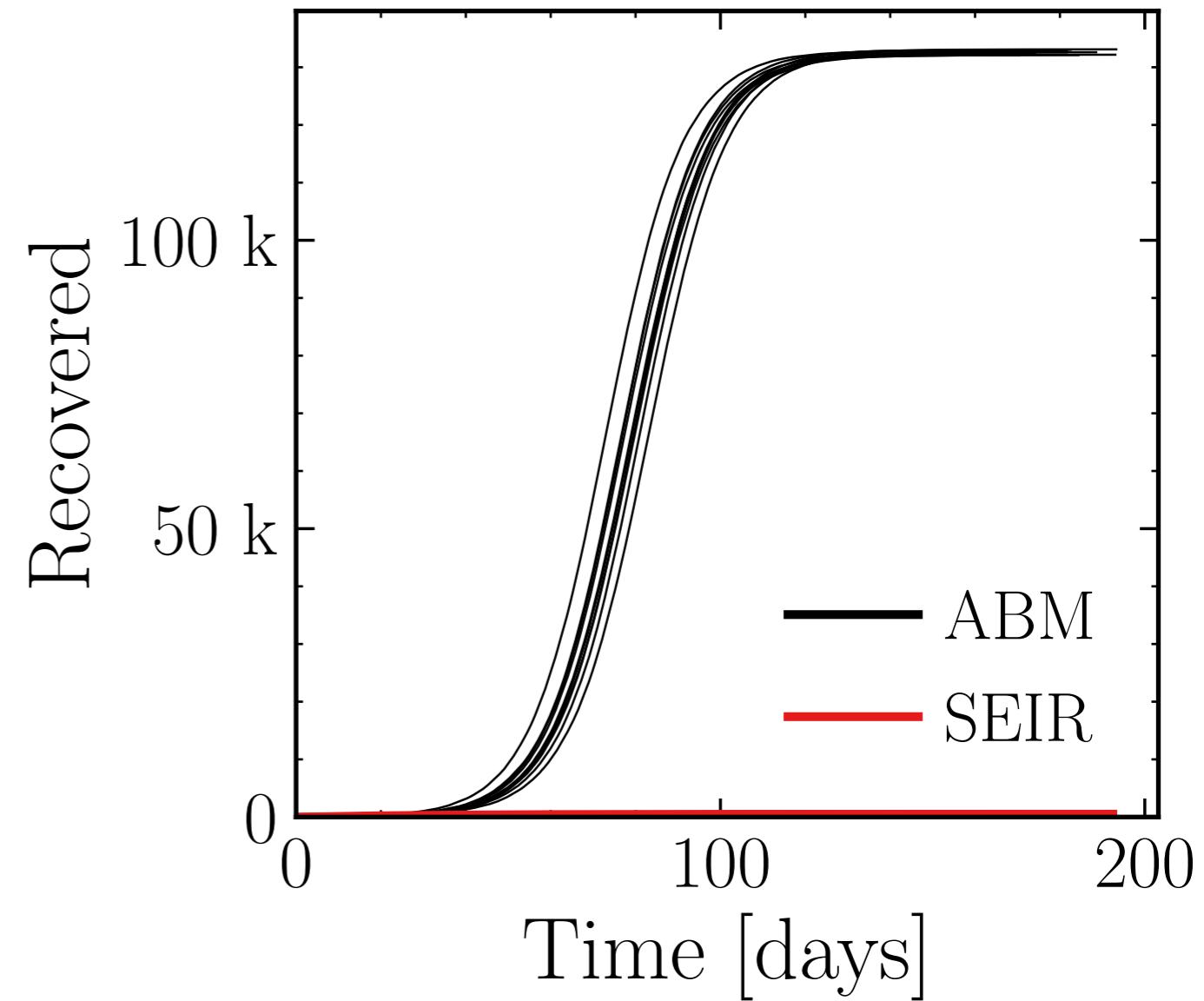
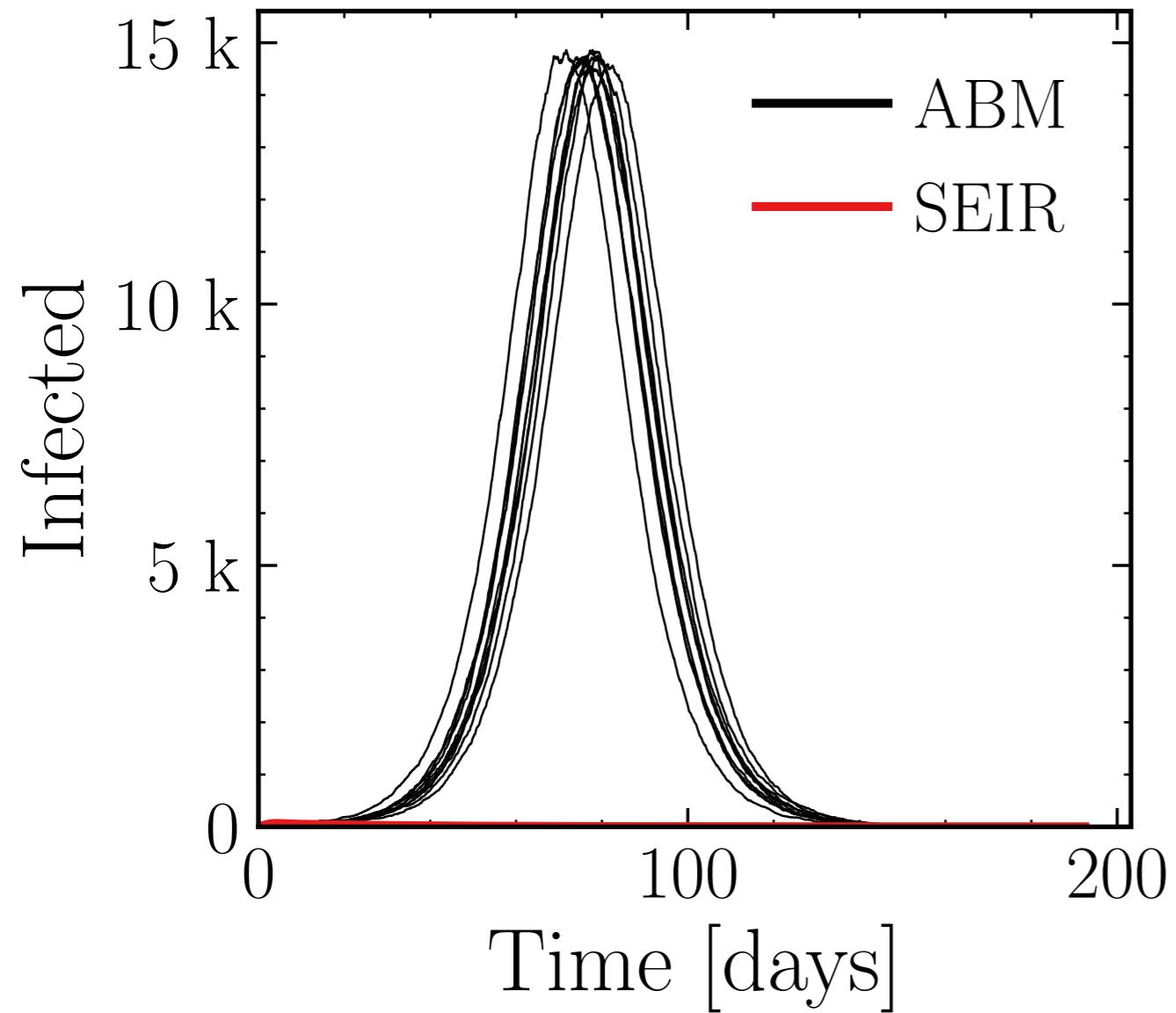
$$I_{\max}^{\text{ABM}} = (40.87 \pm 0.16\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (14.7 \pm 0.24\%) \cdot 10^3$$

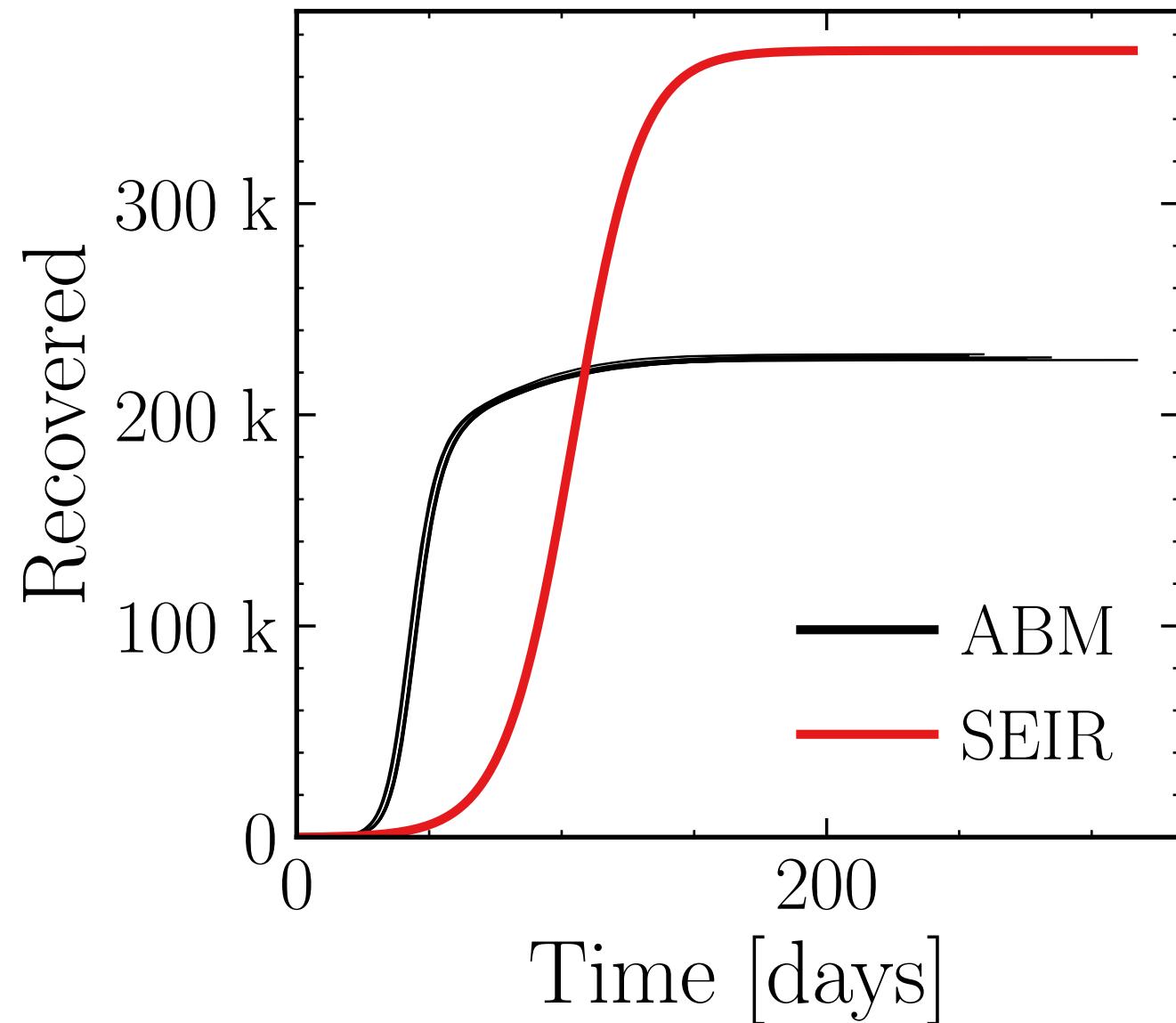
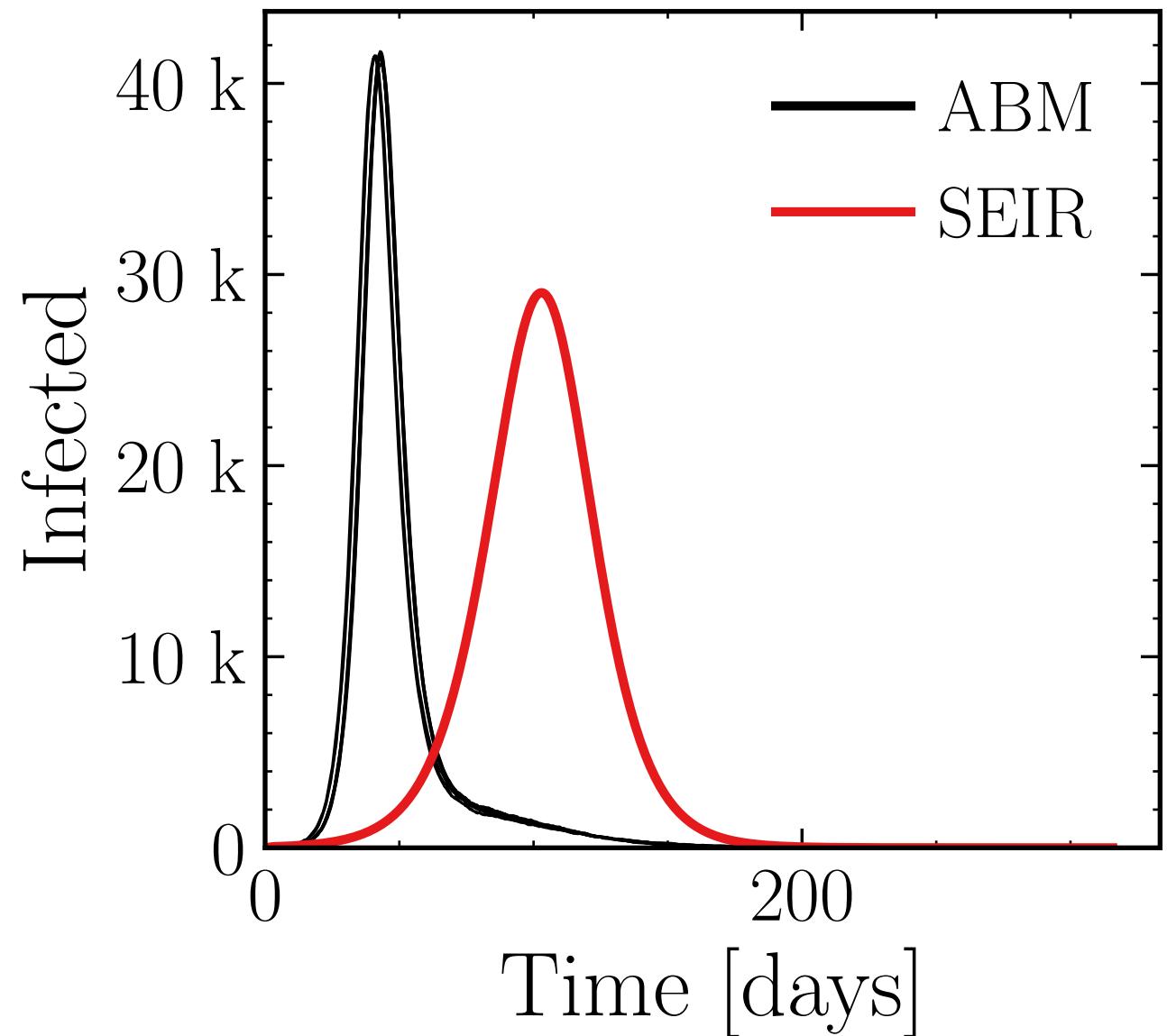
$$R_\infty^{\text{ABM}} = (132.6 \pm 0.088\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.075$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

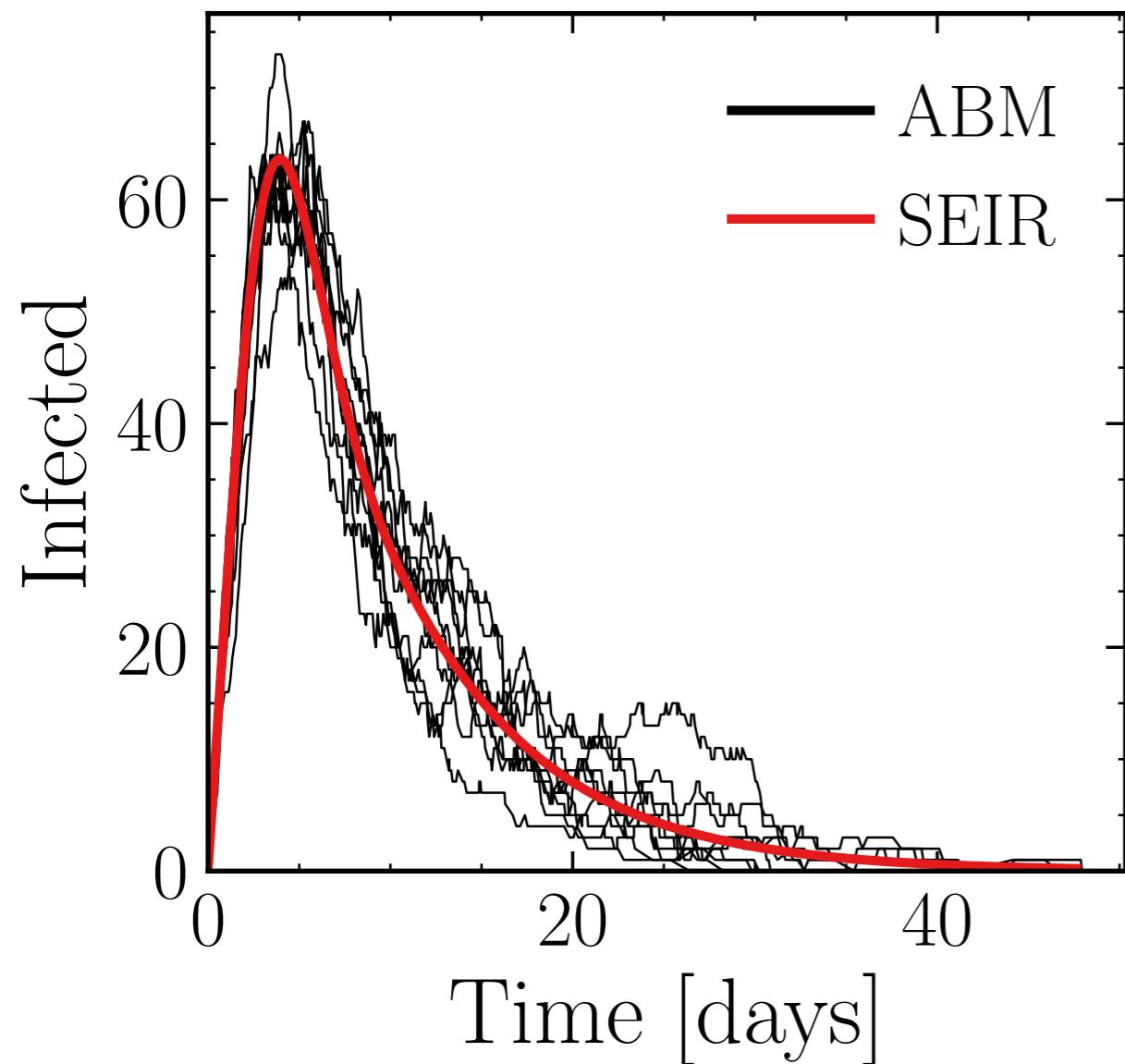
$$I_{\max}^{\text{ABM}} = (41.47 \pm 0.14\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (226.9 \pm 0.11\%) \cdot 10^3$$

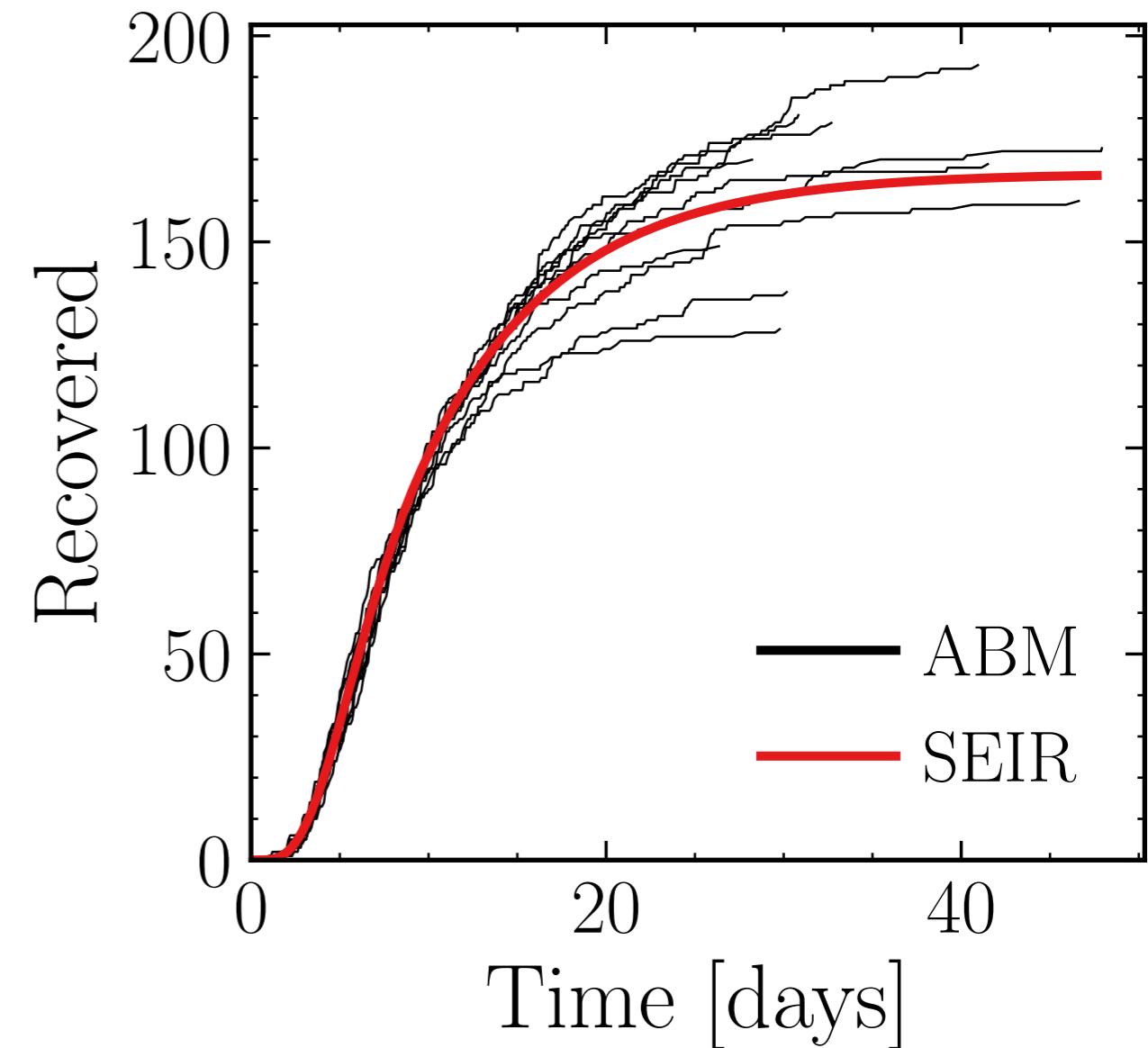


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (65 \pm 1.6\%) \cdot$$

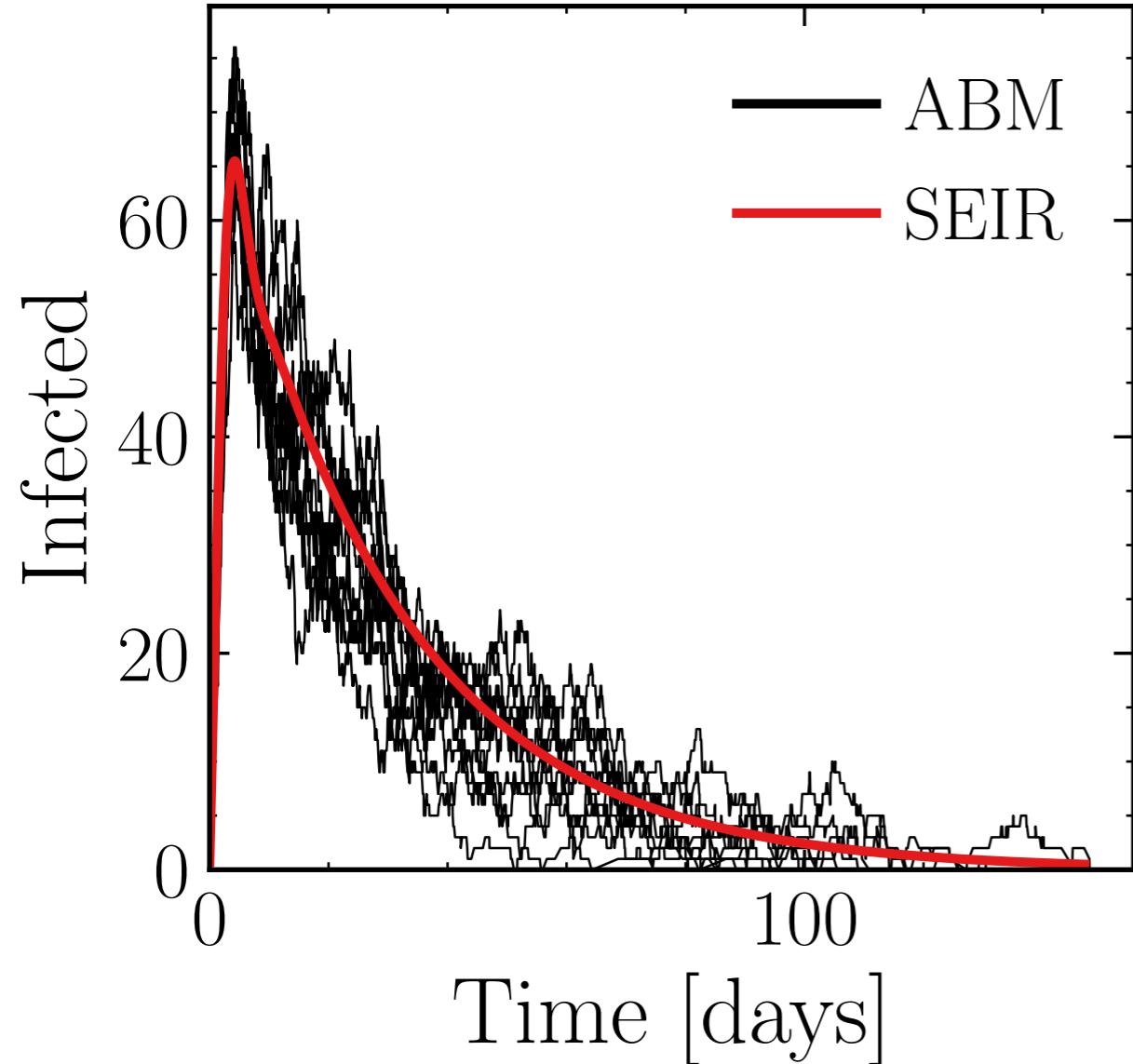


$$R_\infty^{\text{ABM}} = (164 \pm 3.7\%) \cdot$$

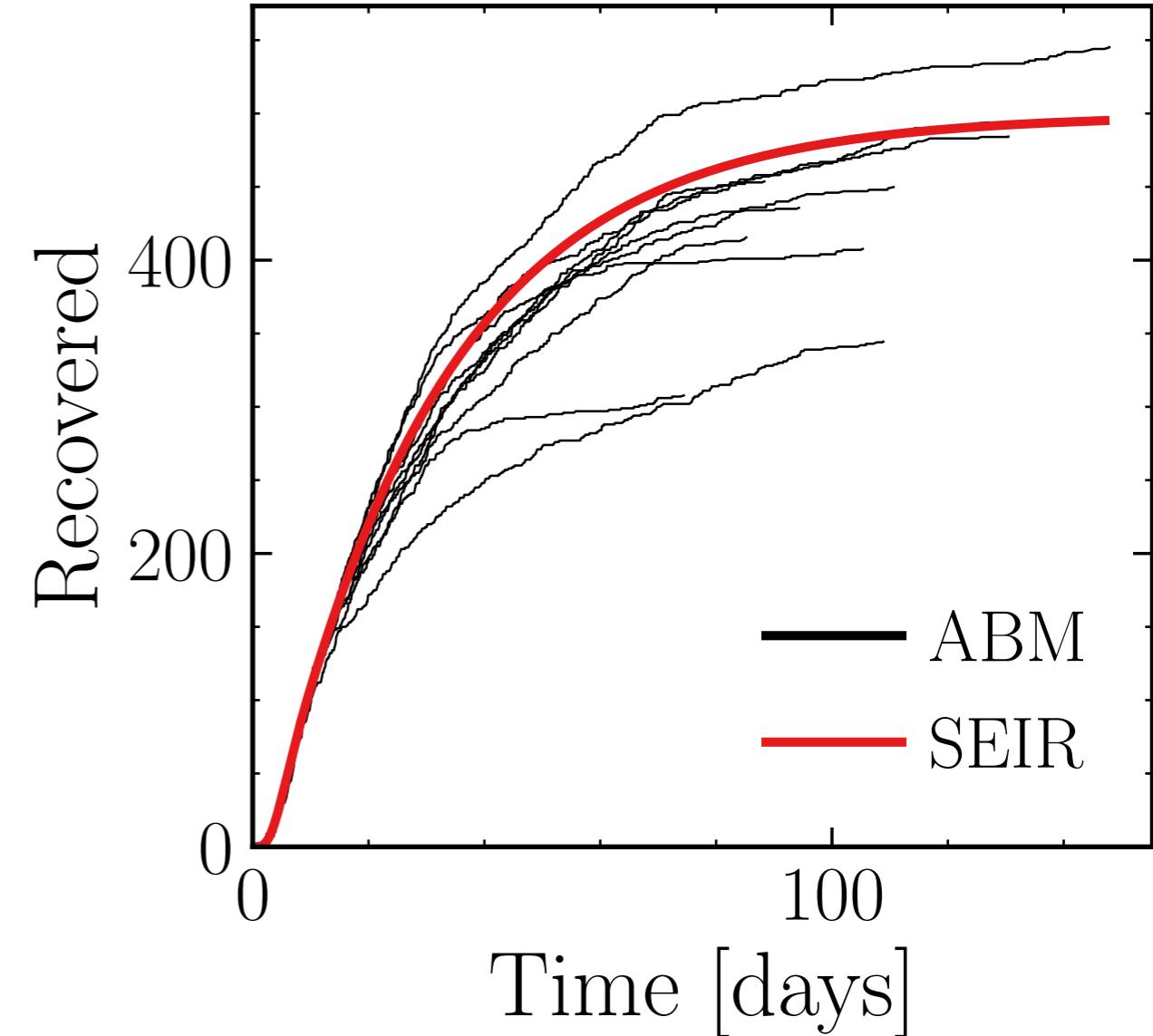


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (70 \pm 1.8\%) \cdot$$

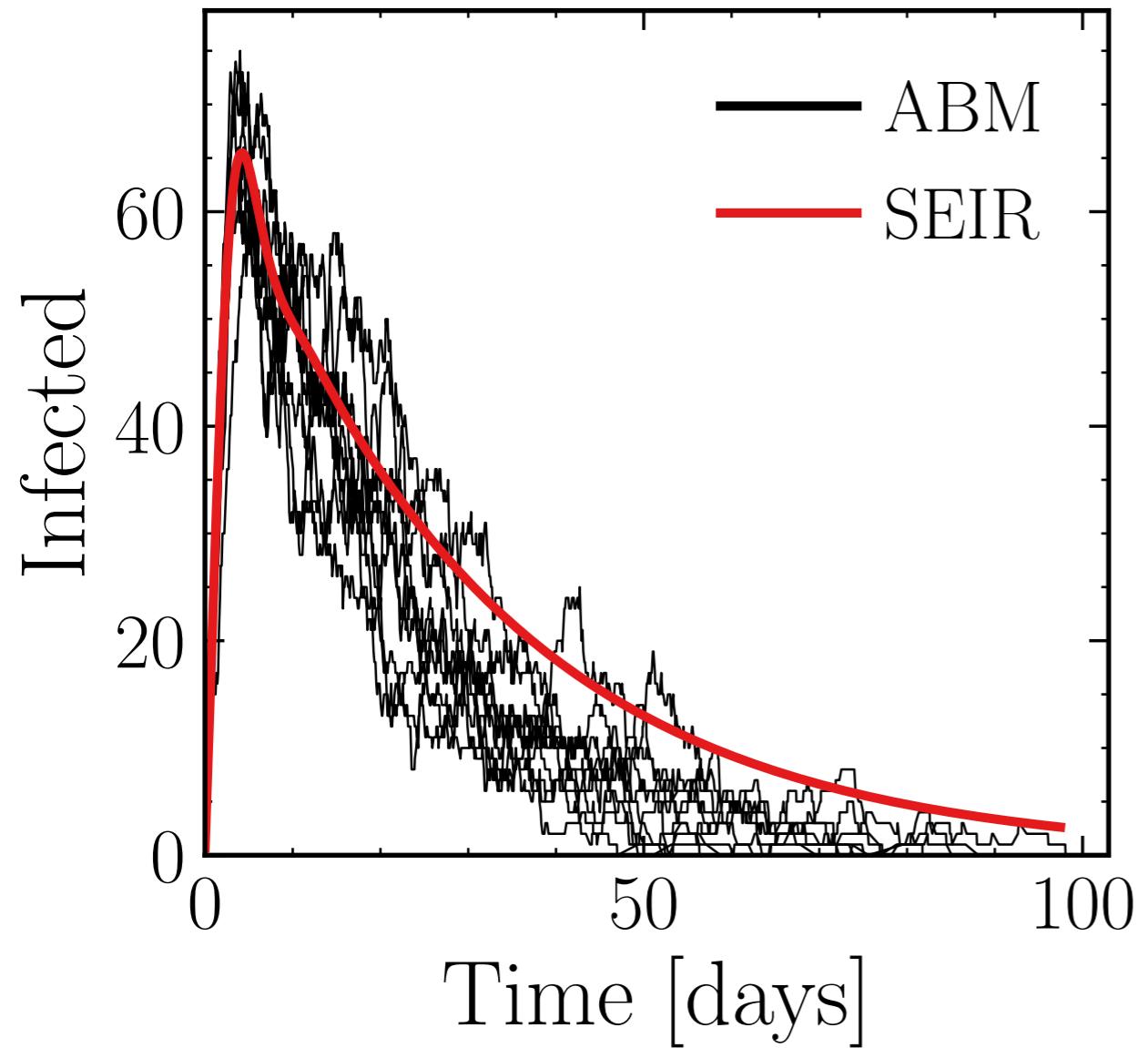


$$R_\infty^{\text{ABM}} = (430 \pm 4.8\%) \cdot$$

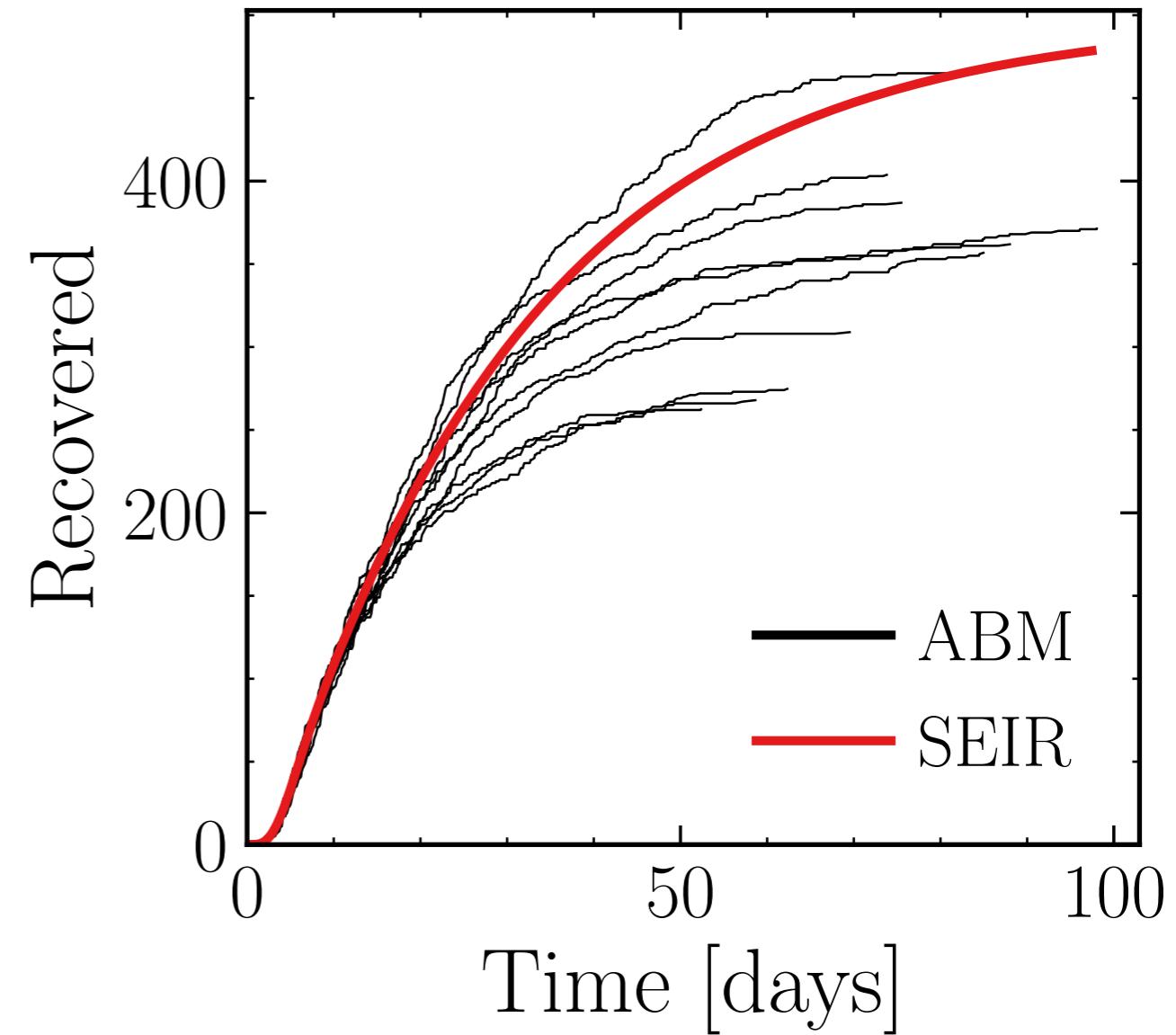


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (69 \pm 1.9\%) \cdot$$



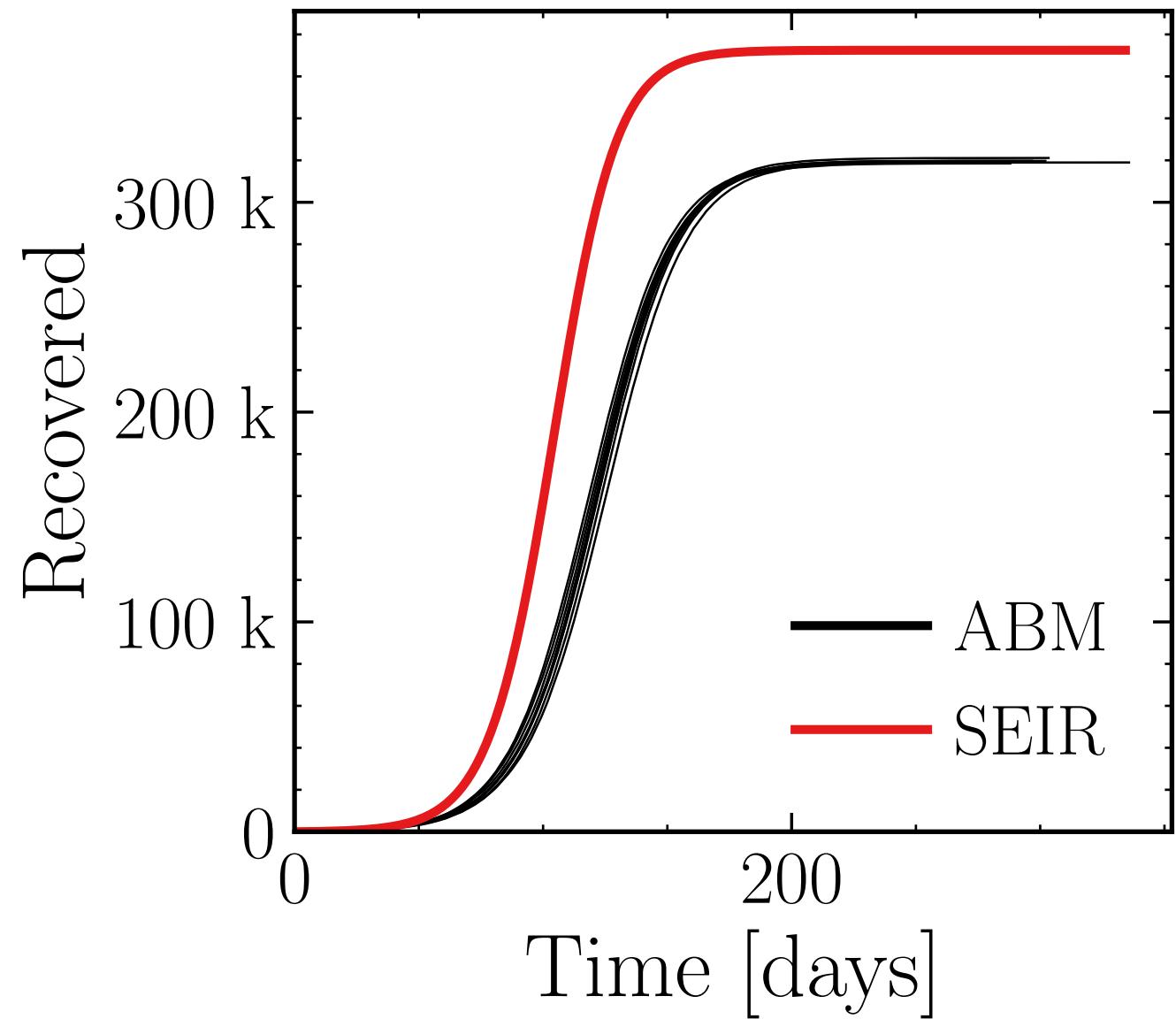
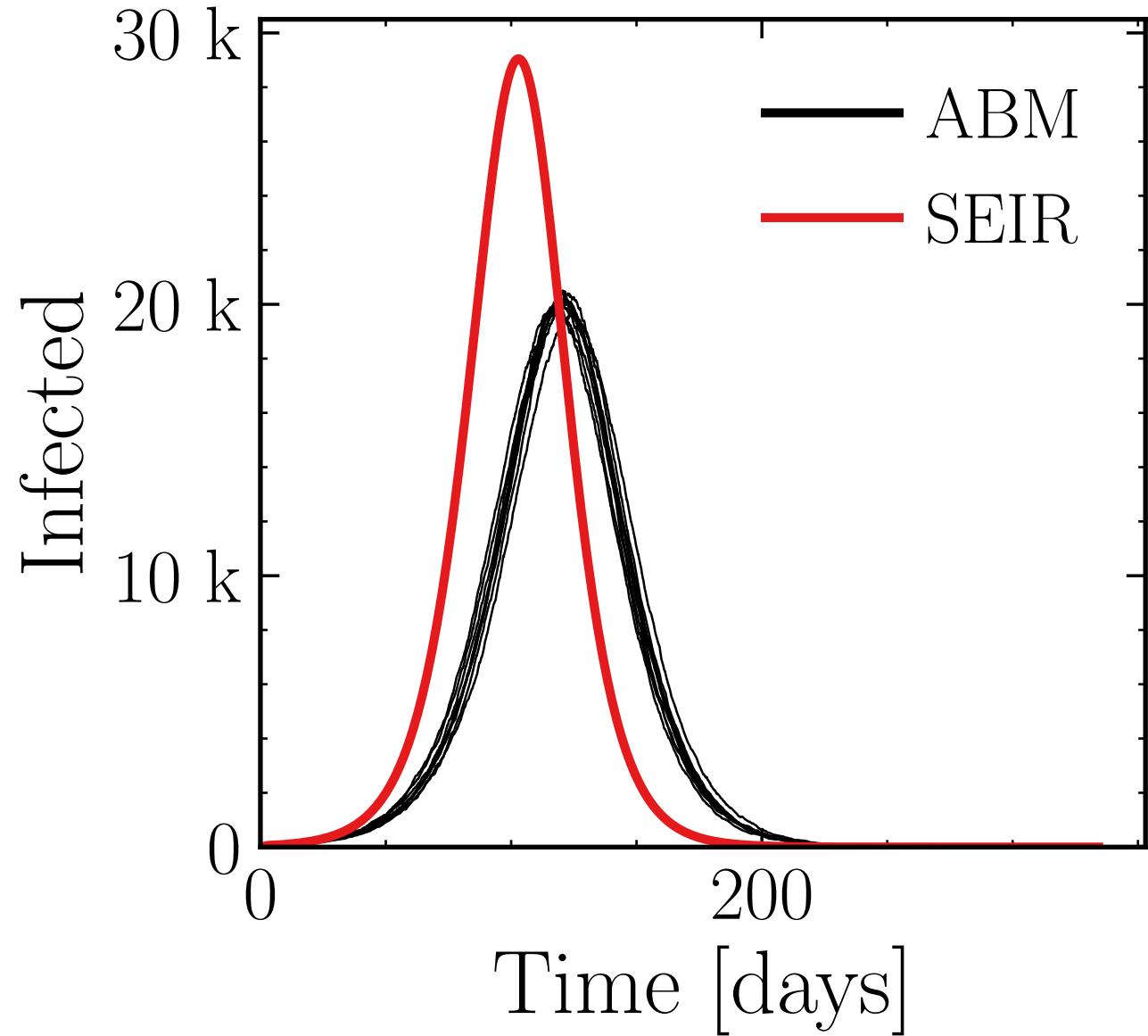
$$R_\infty^{\text{ABM}} = (350 \pm 5.8\%) \cdot$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

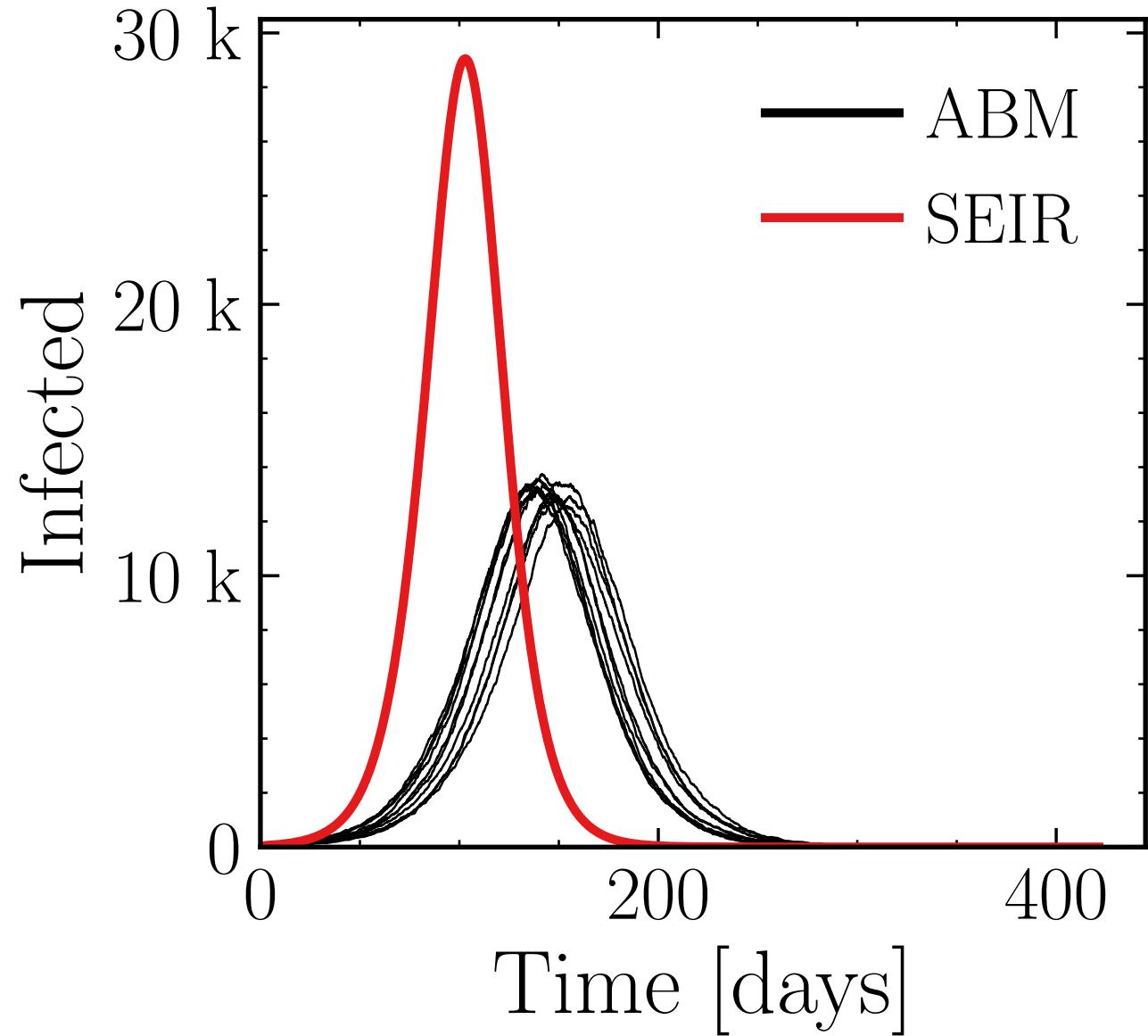
$$I_{\max}^{\text{ABM}} = (20.1 \pm 0.41\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (319.4 \pm 0.069\%) \cdot 10^3$$

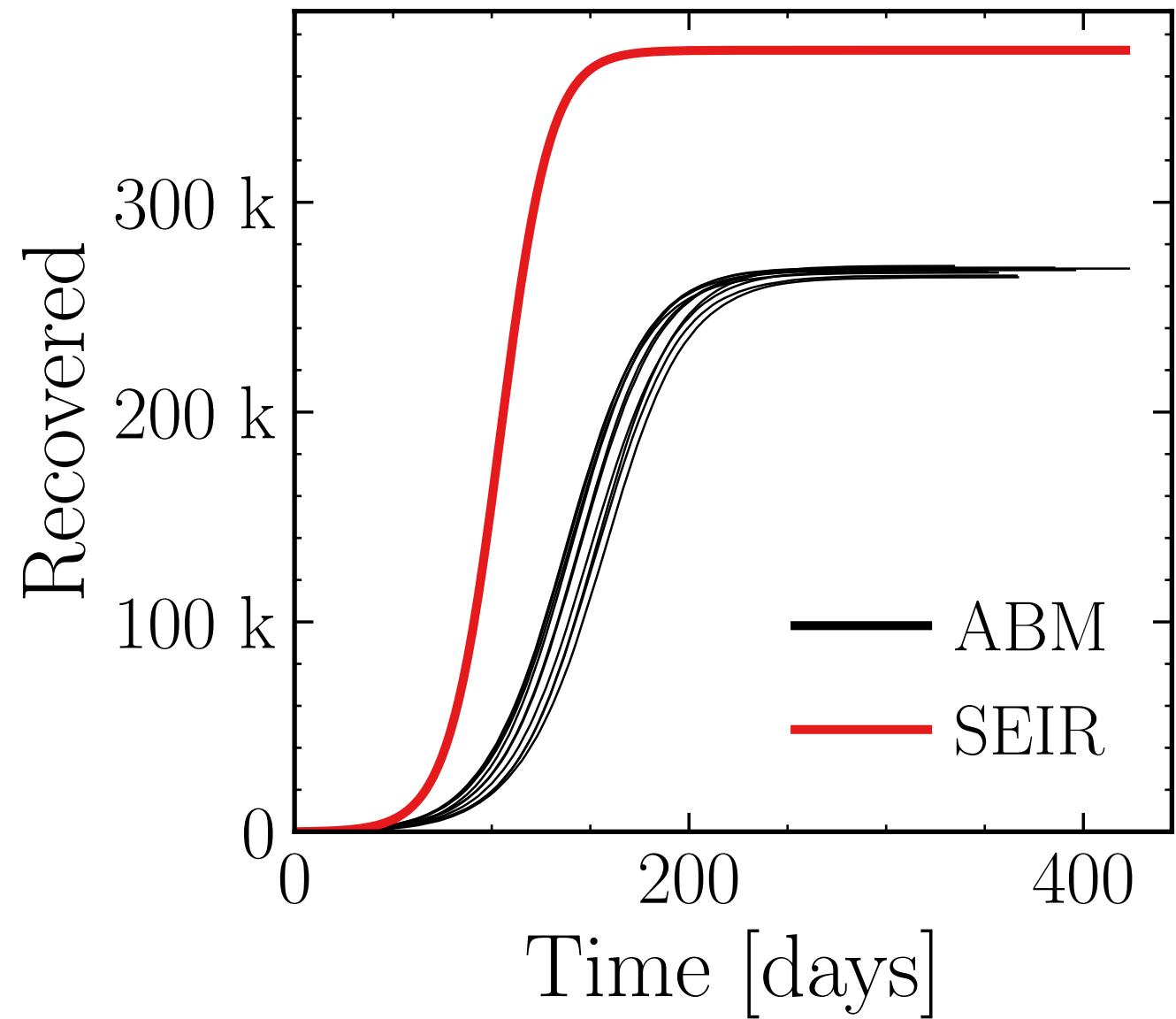


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (13.28 \pm 0.67\%) \cdot 10^3$$

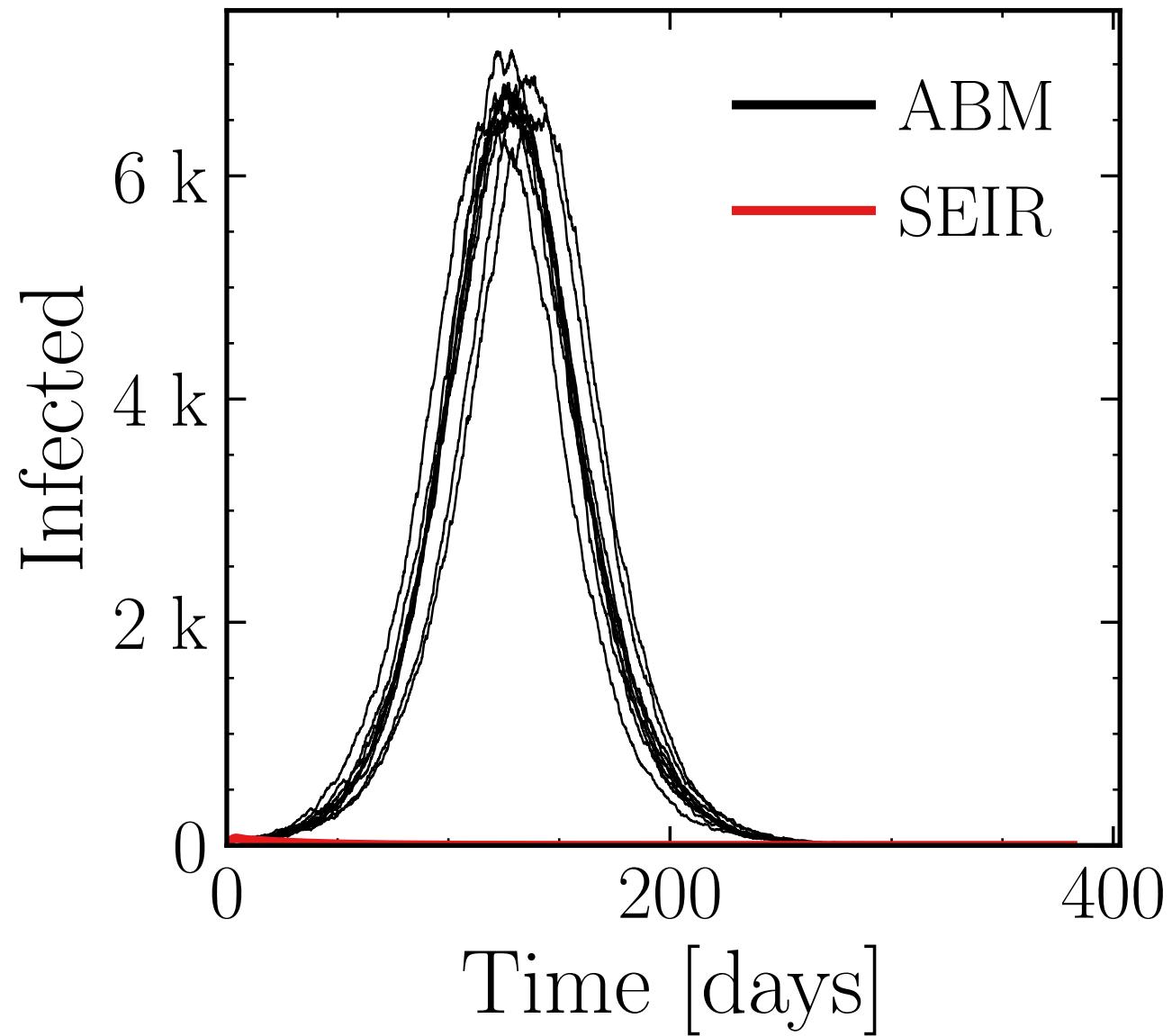


$$R_\infty^{\text{ABM}} = (267.5 \pm 0.19\%) \cdot 10^3$$

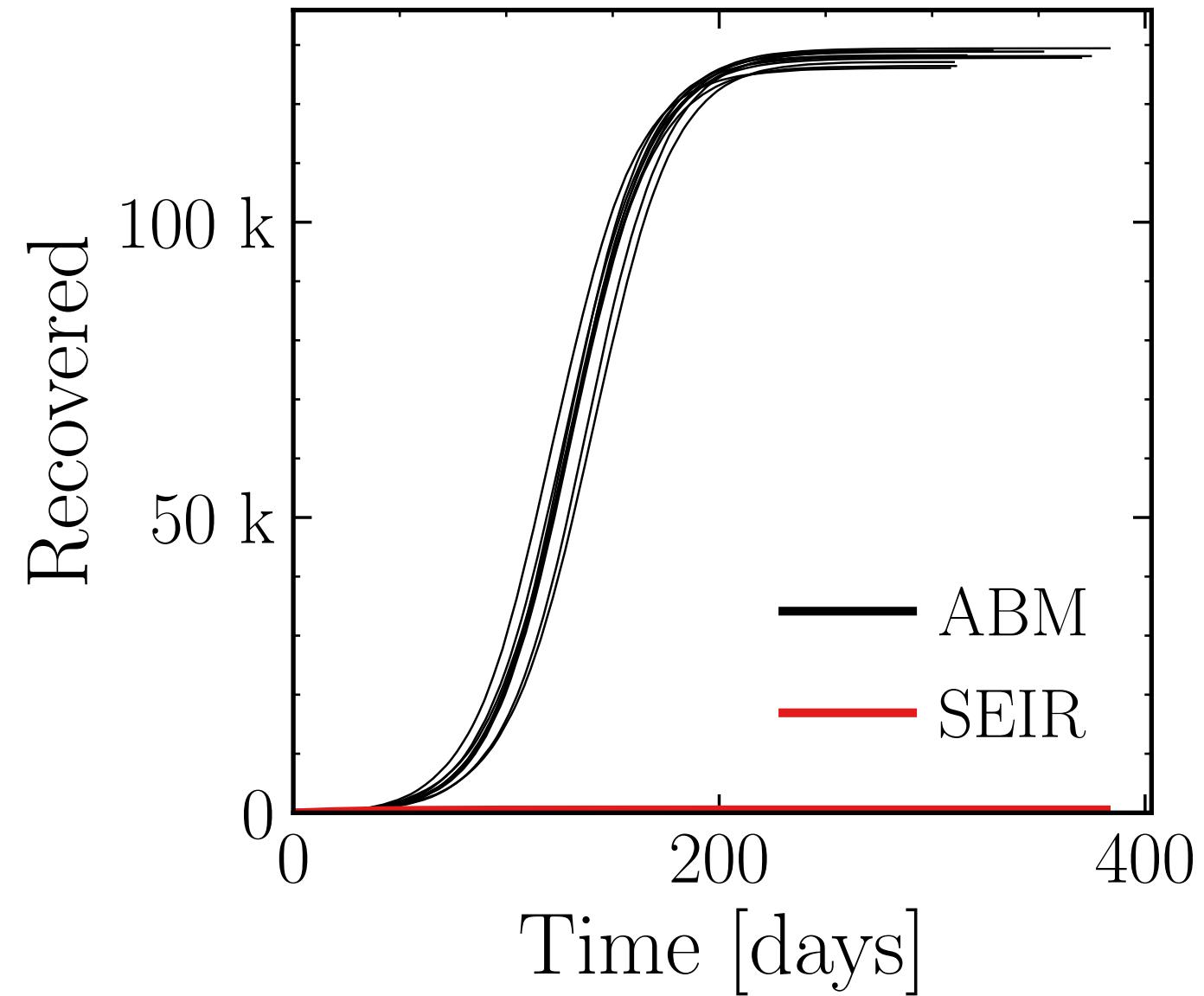


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (6.75 \pm 0.86\%) \cdot 10^3$$

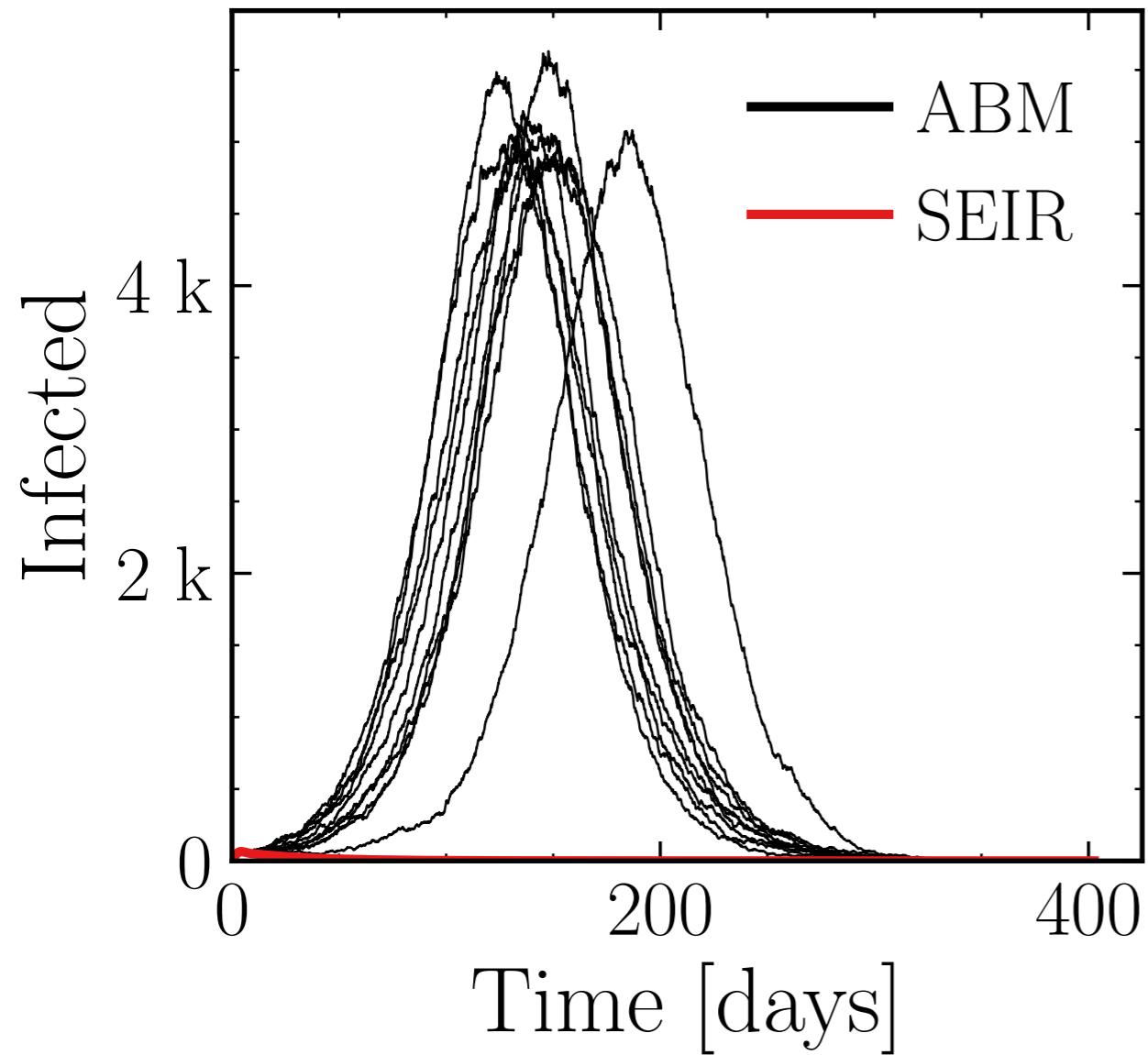


$$R_{\infty}^{\text{ABM}} = (128 \pm 0.27\%) \cdot 10^3$$

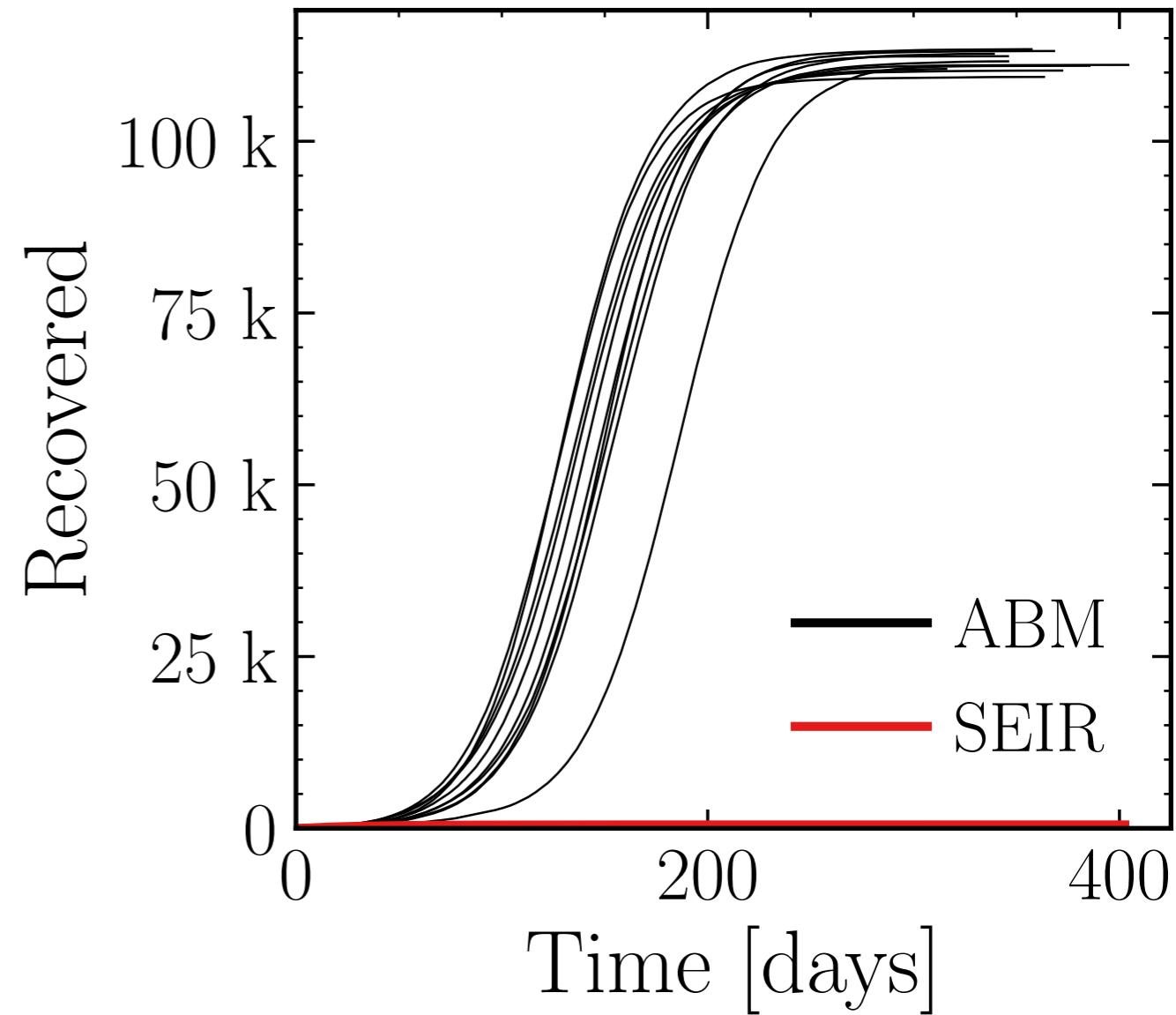


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (5.14 \pm 1.4\%) \cdot 10^3$$



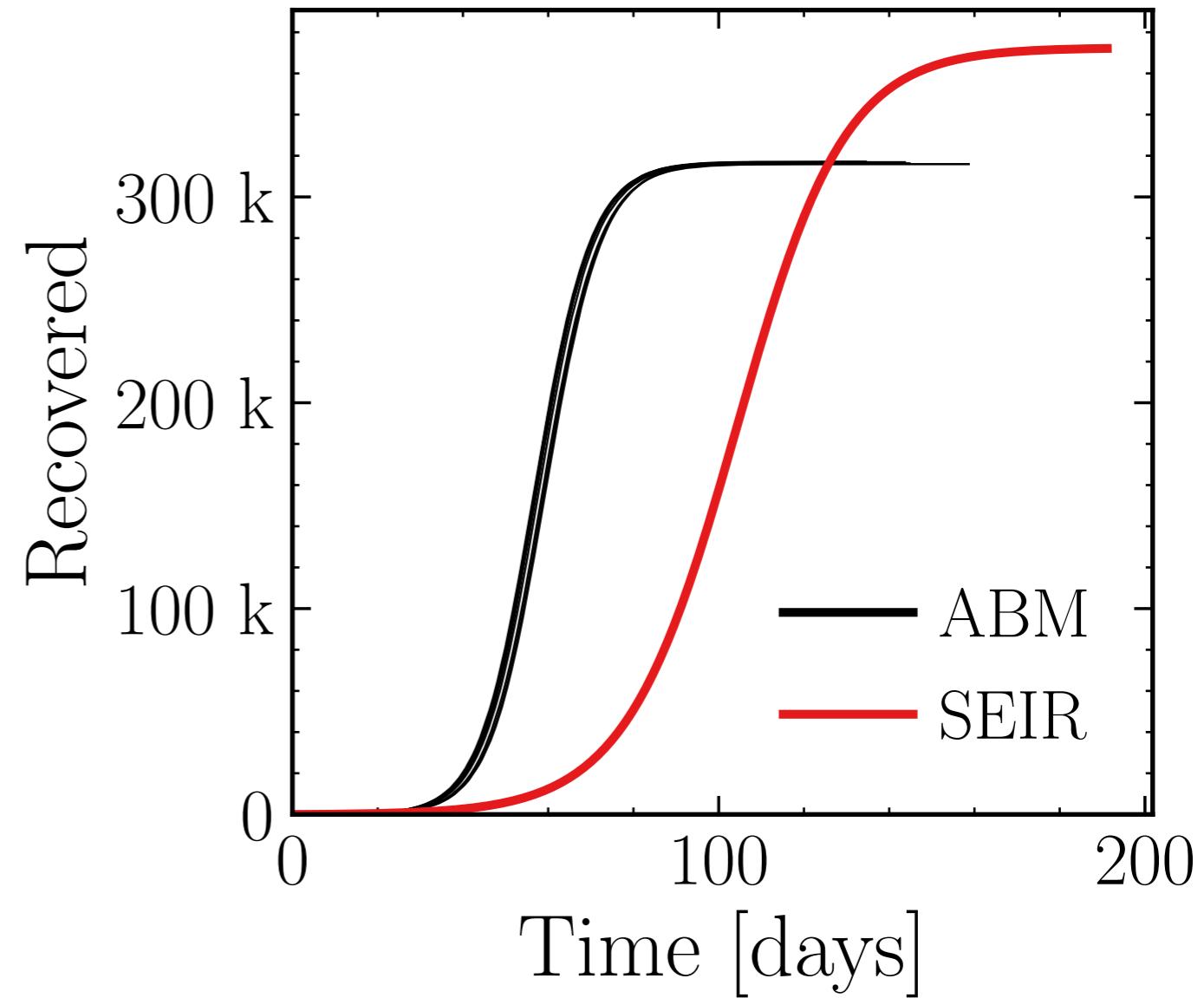
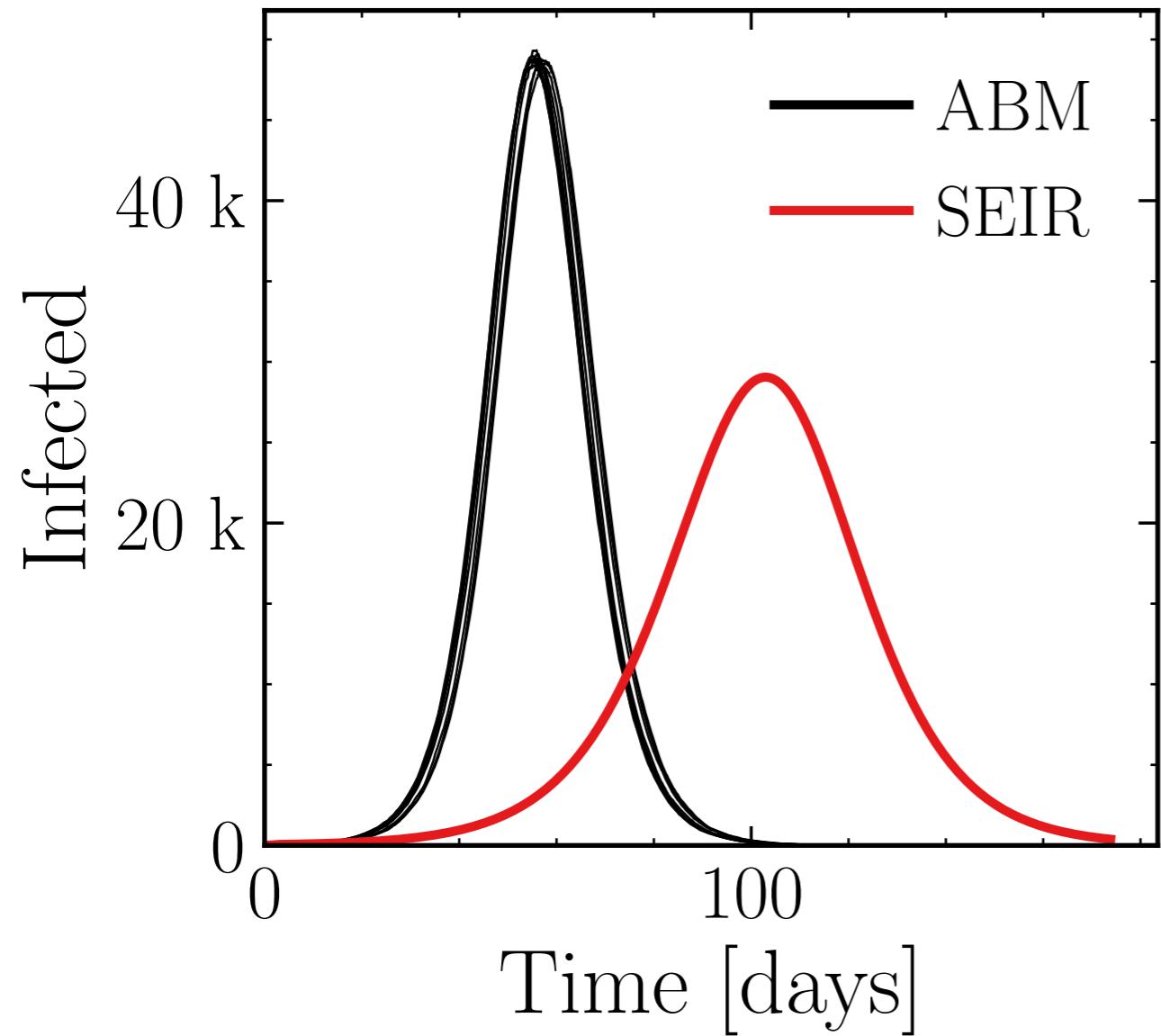
$$R_\infty^{\text{ABM}} = (111.6 \pm 0.36\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (48.8 \pm 0.17\%) \cdot 10^3$$

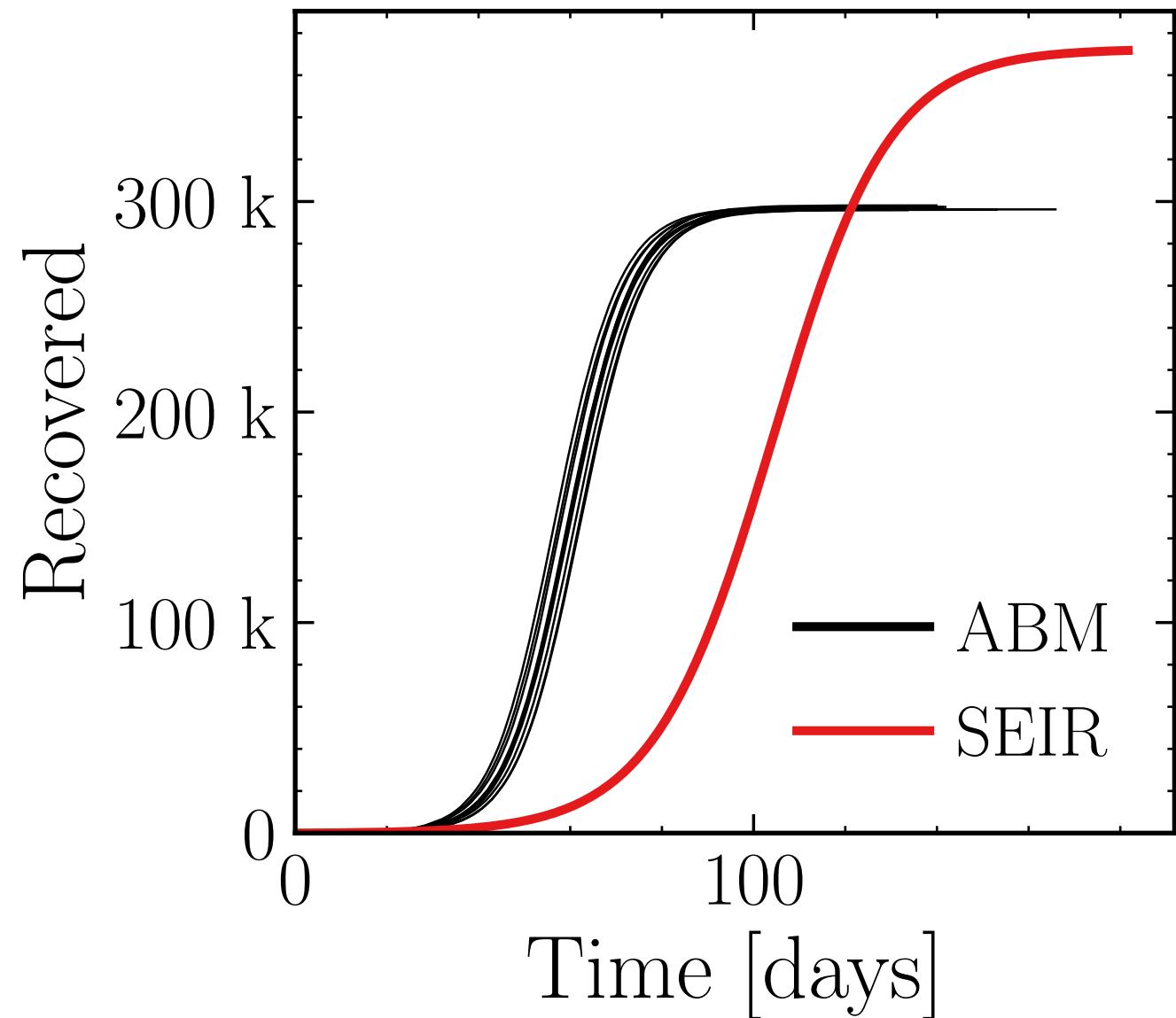
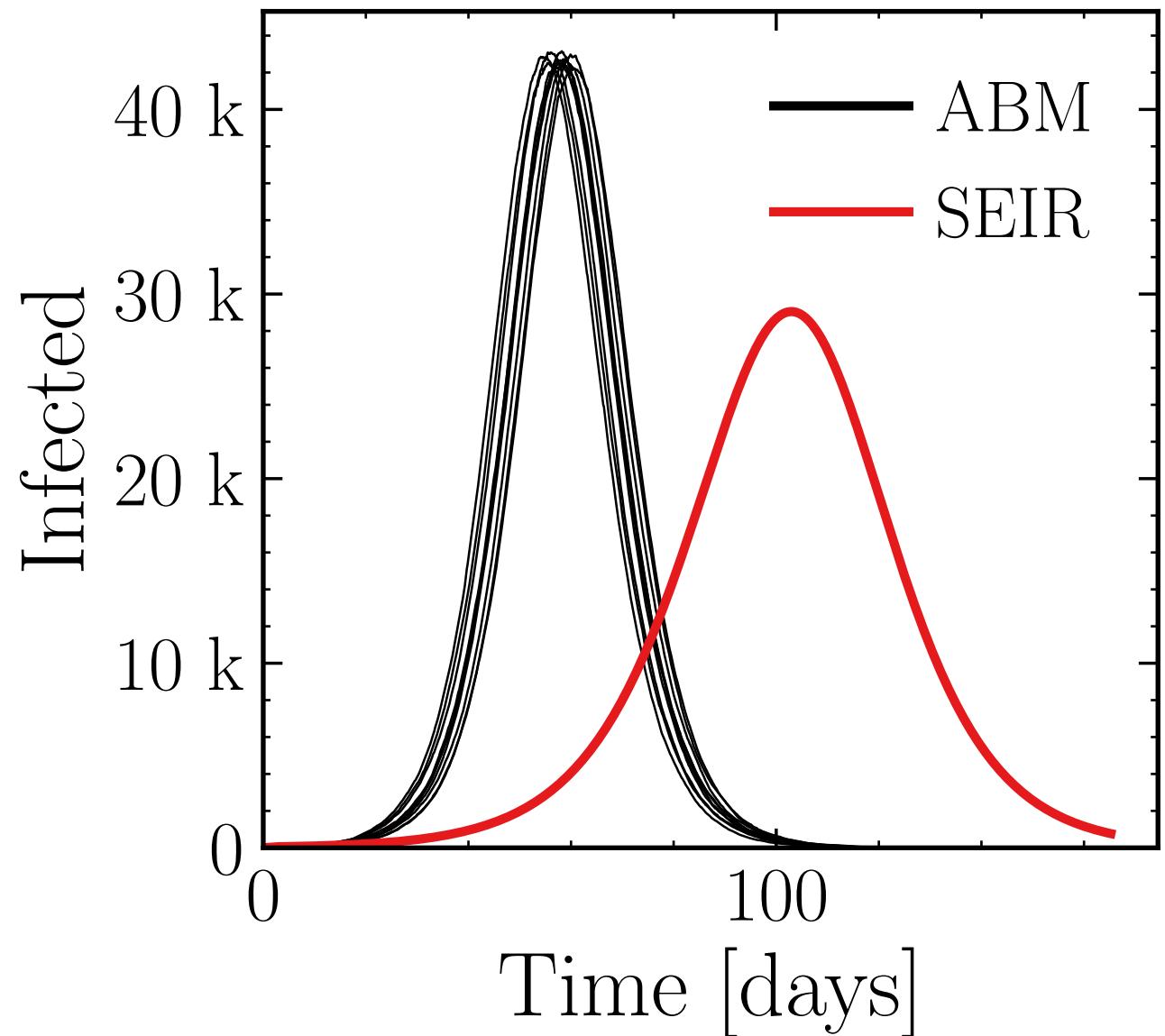
$$R_\infty^{\text{ABM}} = (316.6 \pm 0.037\%) \cdot 10^3$$



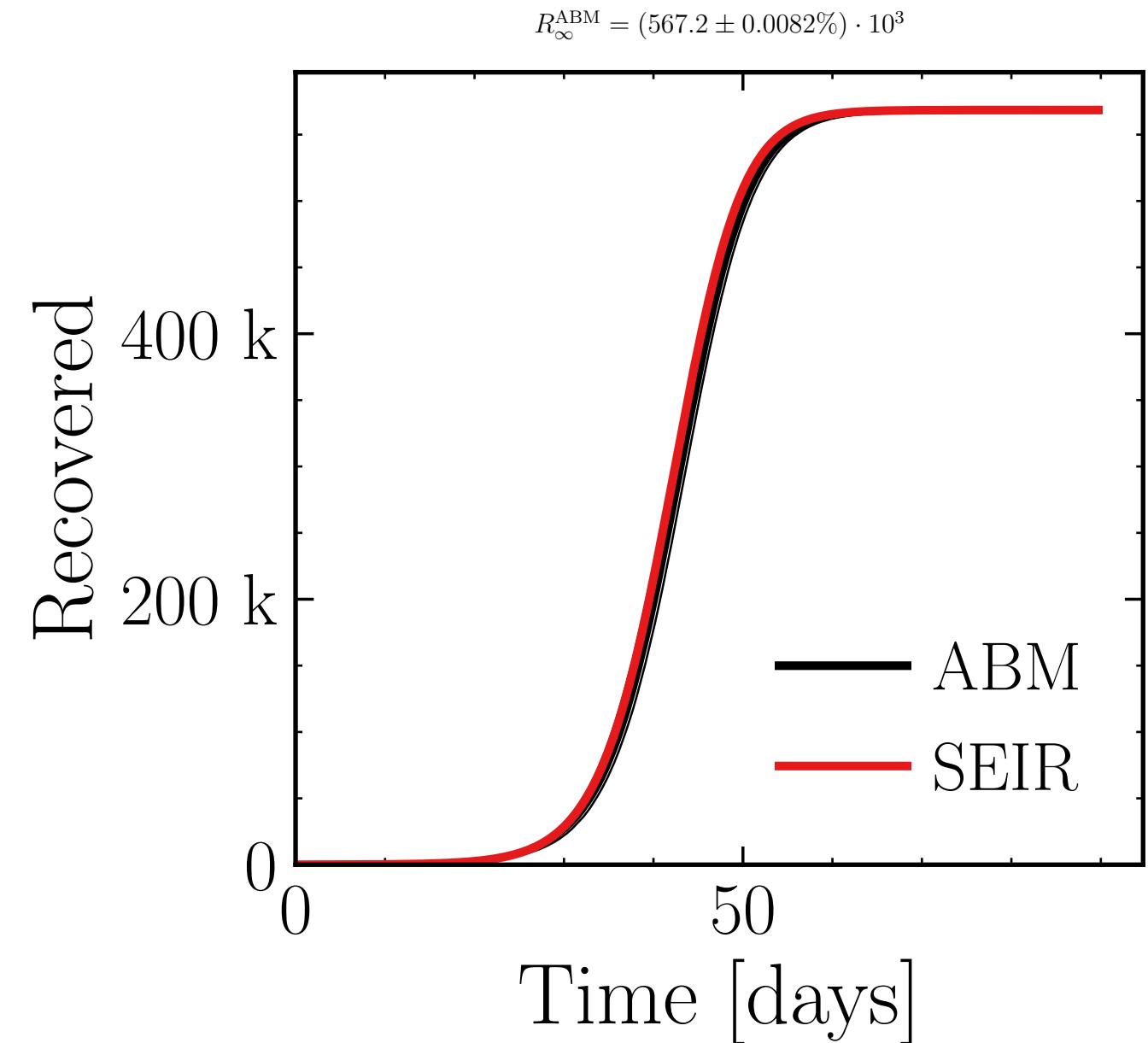
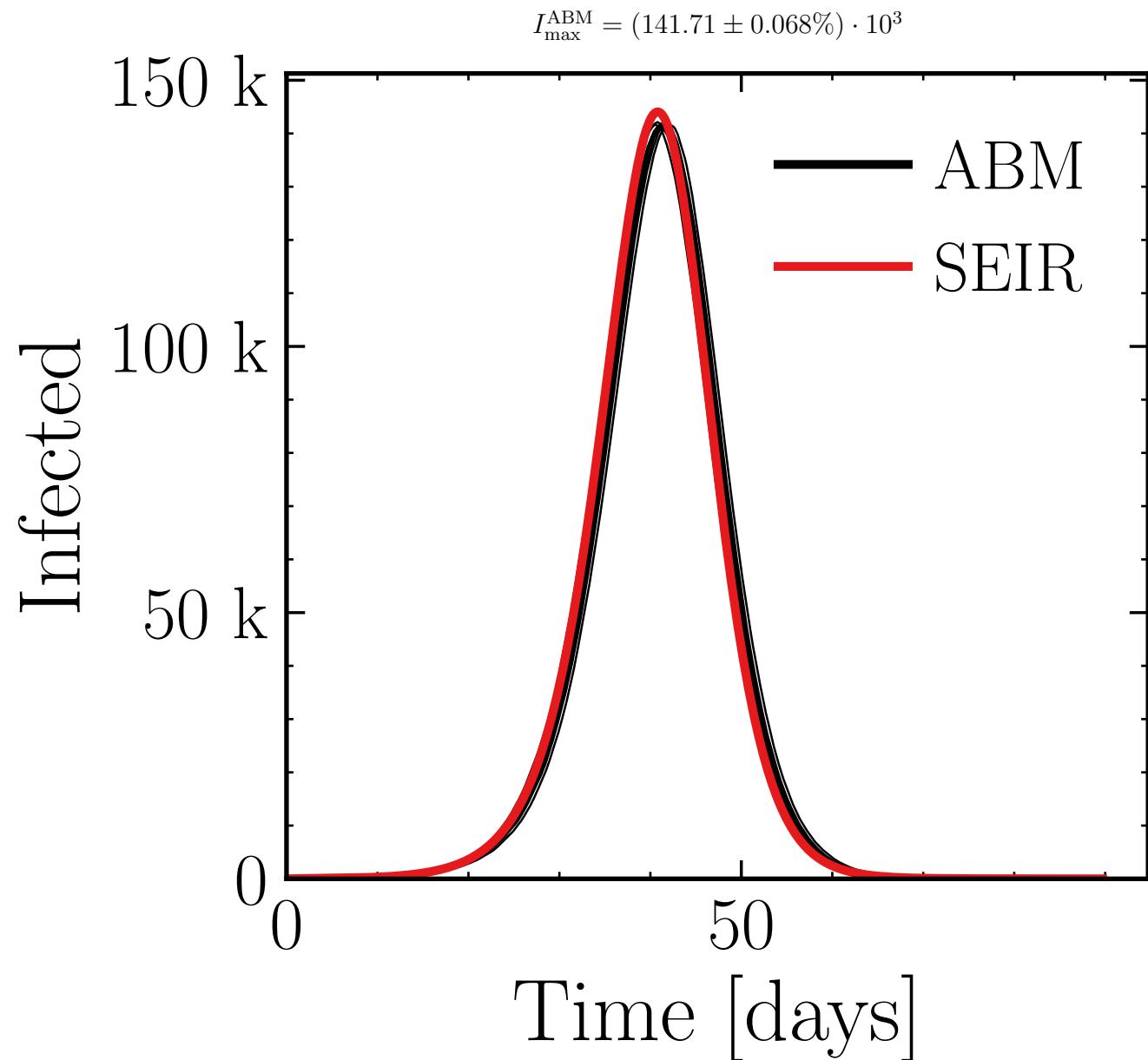
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (42.72 \pm 0.21\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (296.8 \pm 0.075\%) \cdot 10^3$$

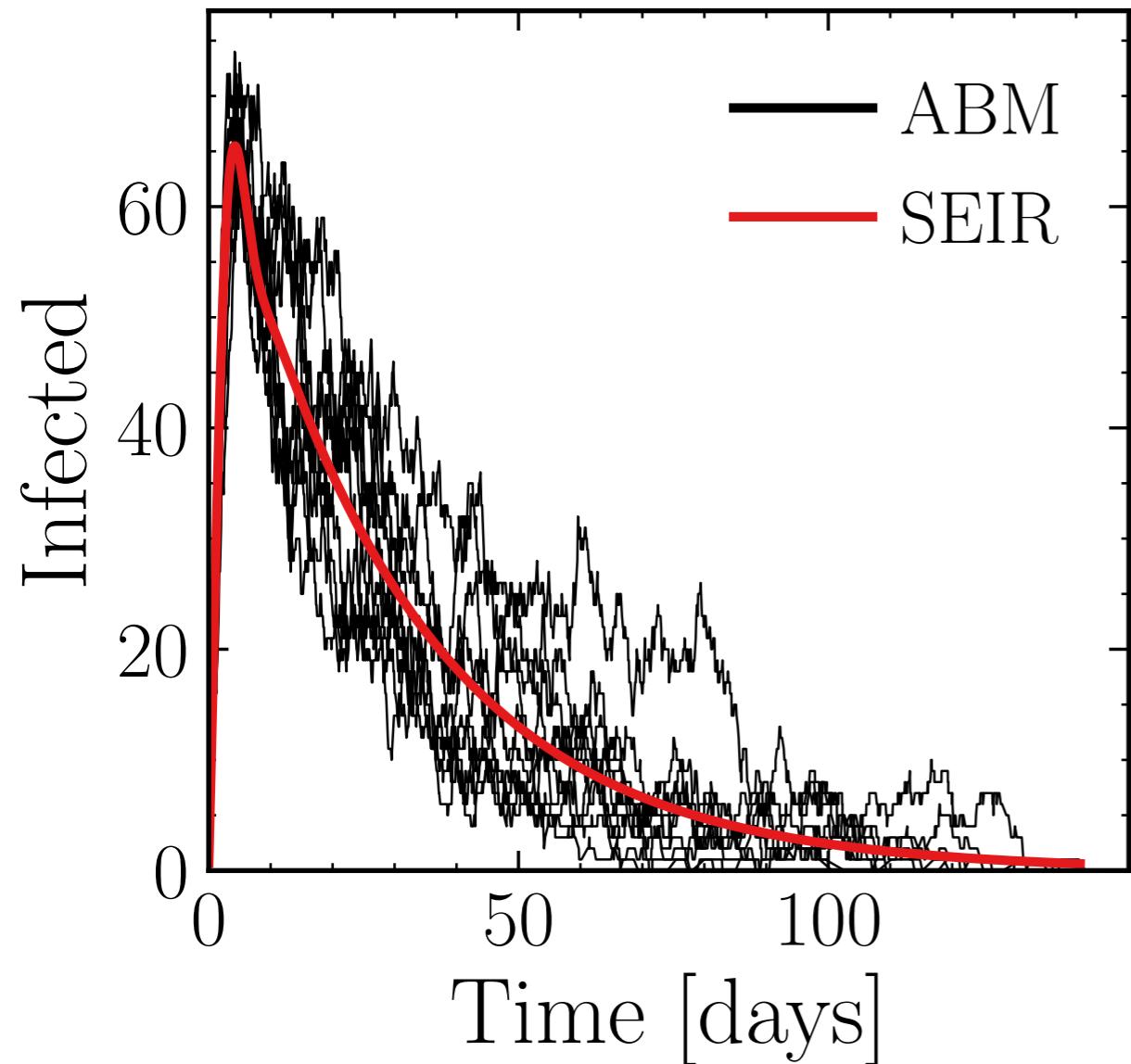


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

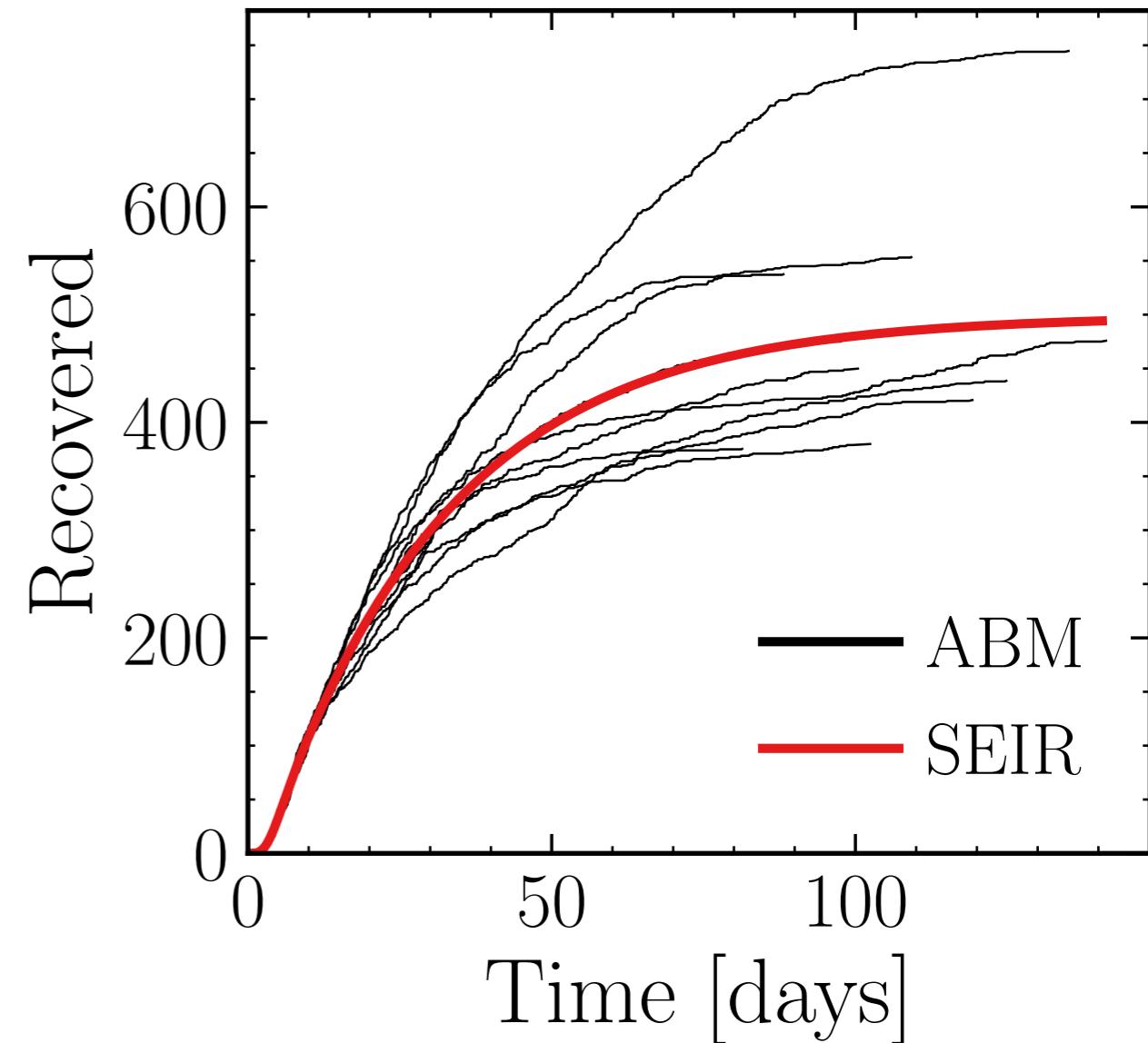


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (68 \pm 1.9\%) \cdot$$



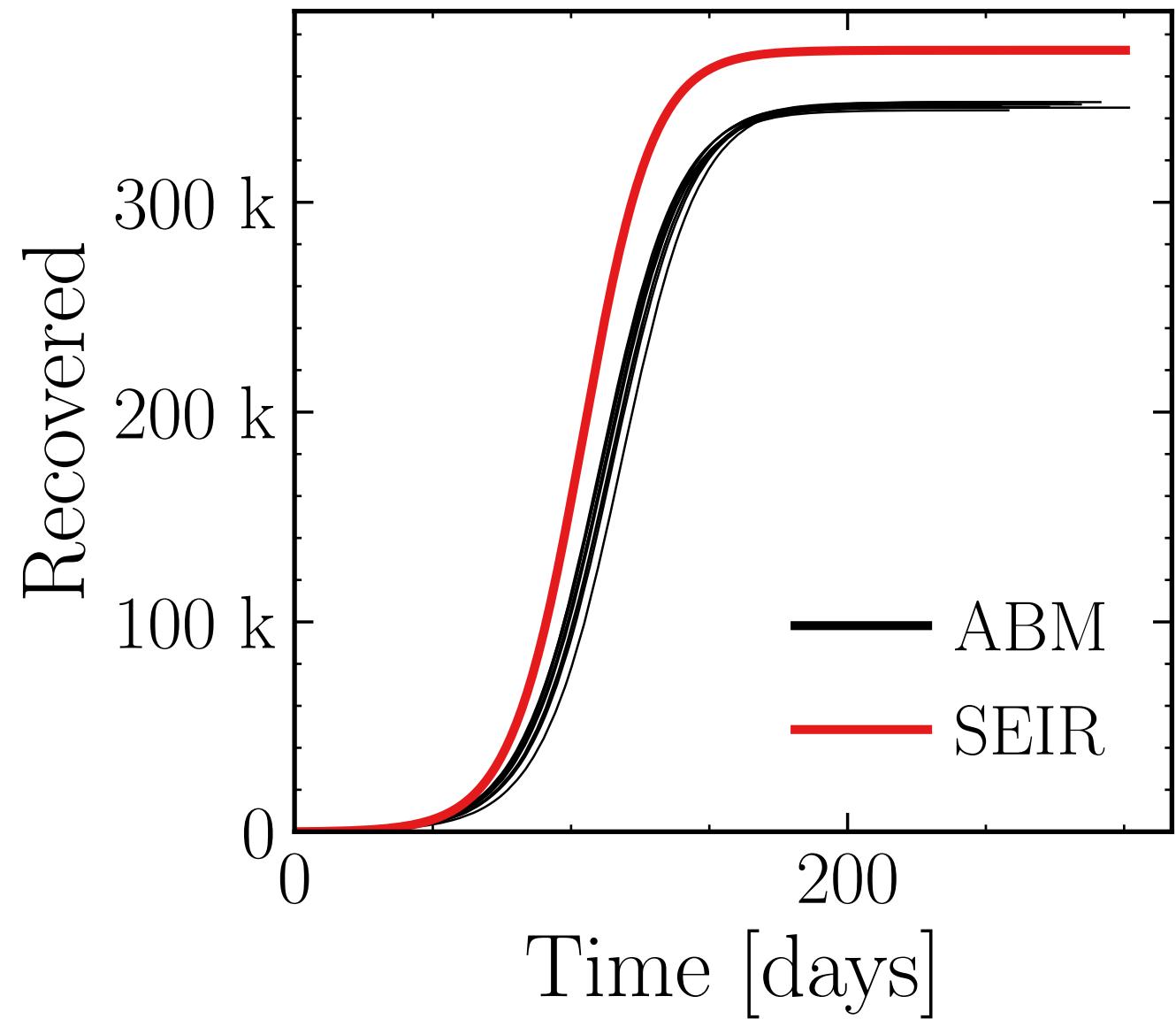
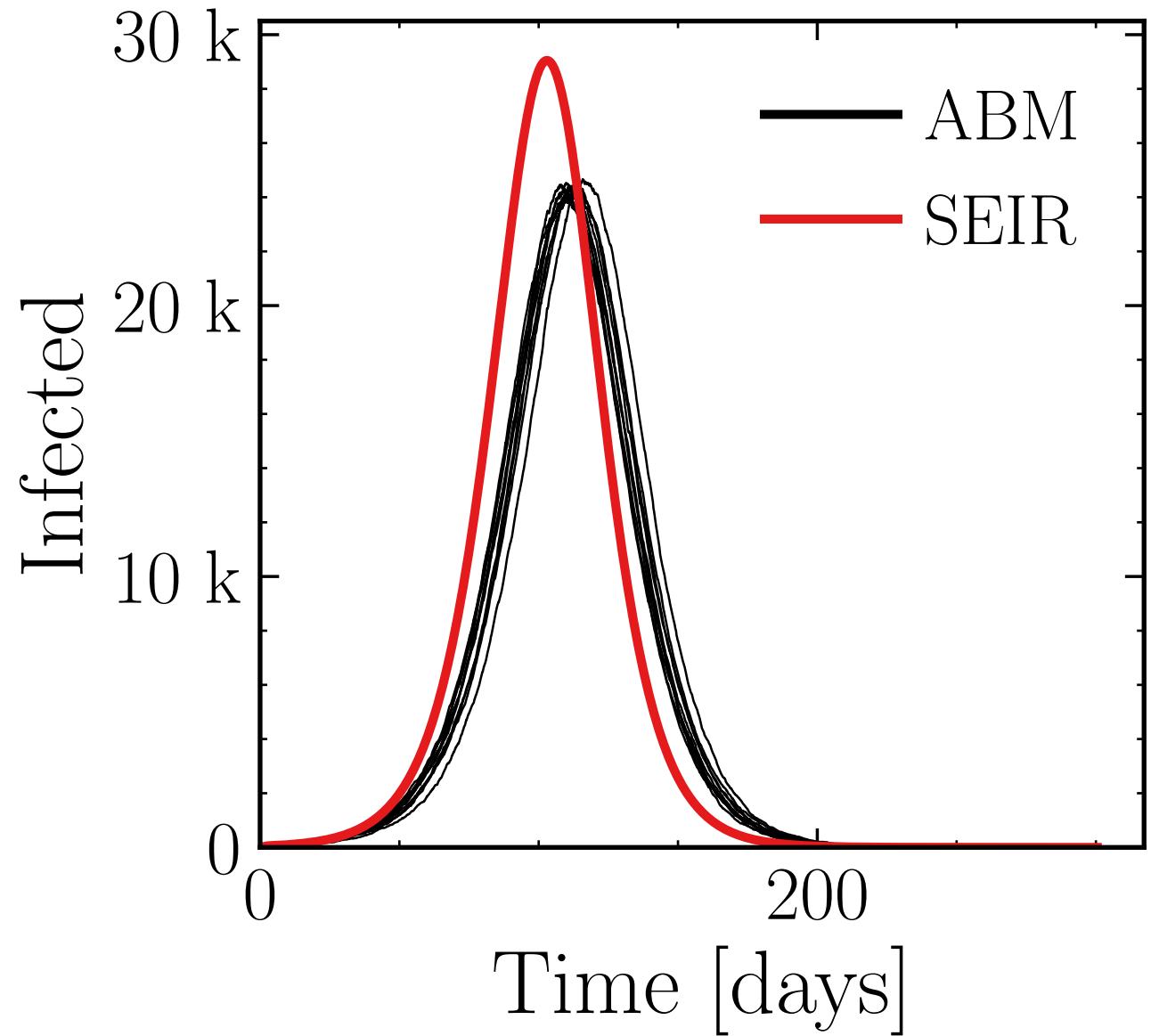
$$R_\infty^{\text{ABM}} = (490 \pm 6.7\%) \cdot$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

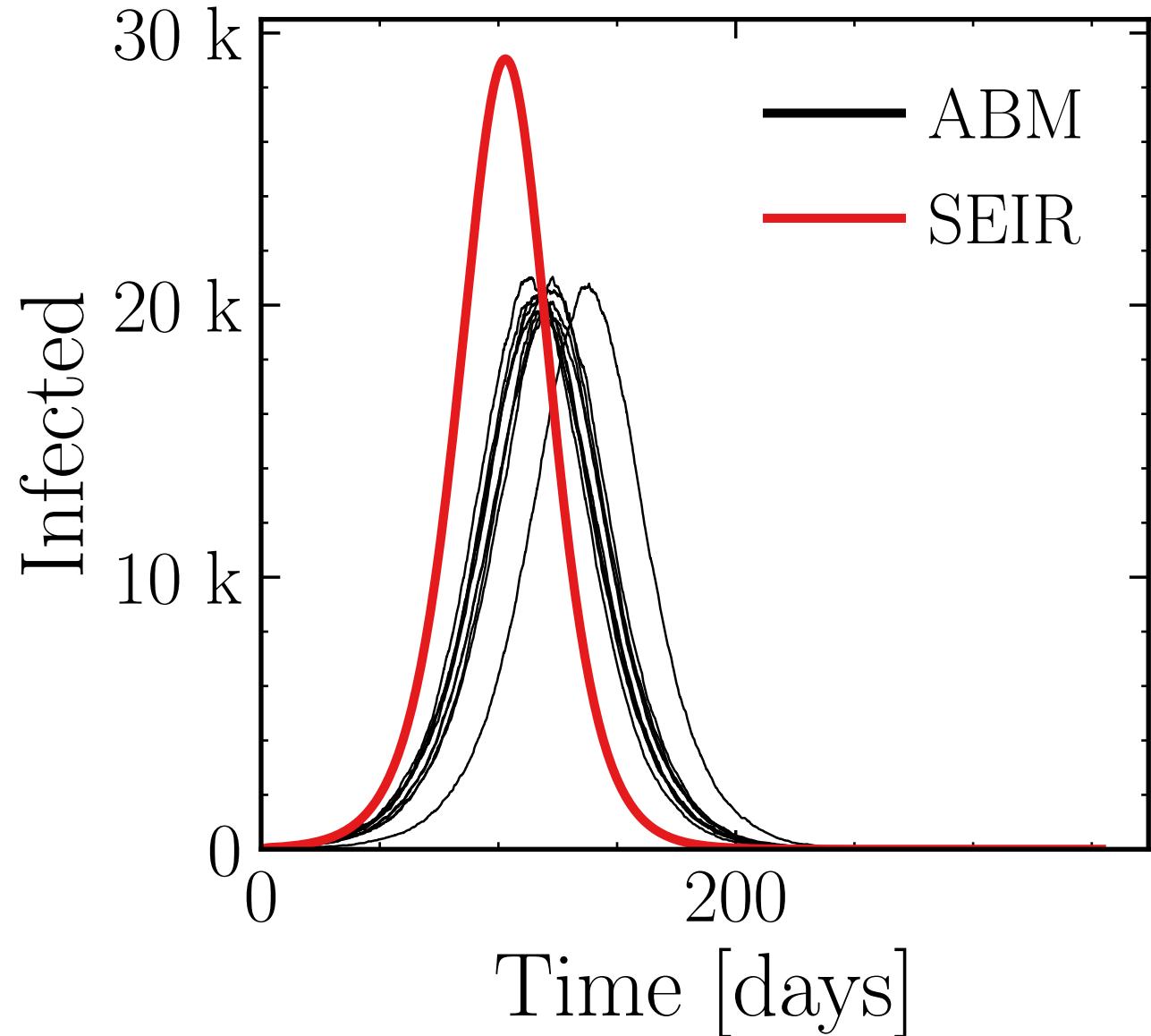
$$I_{\max}^{\text{ABM}} = (24.3 \pm 0.31\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (346.5 \pm 0.12\%) \cdot 10^3$$

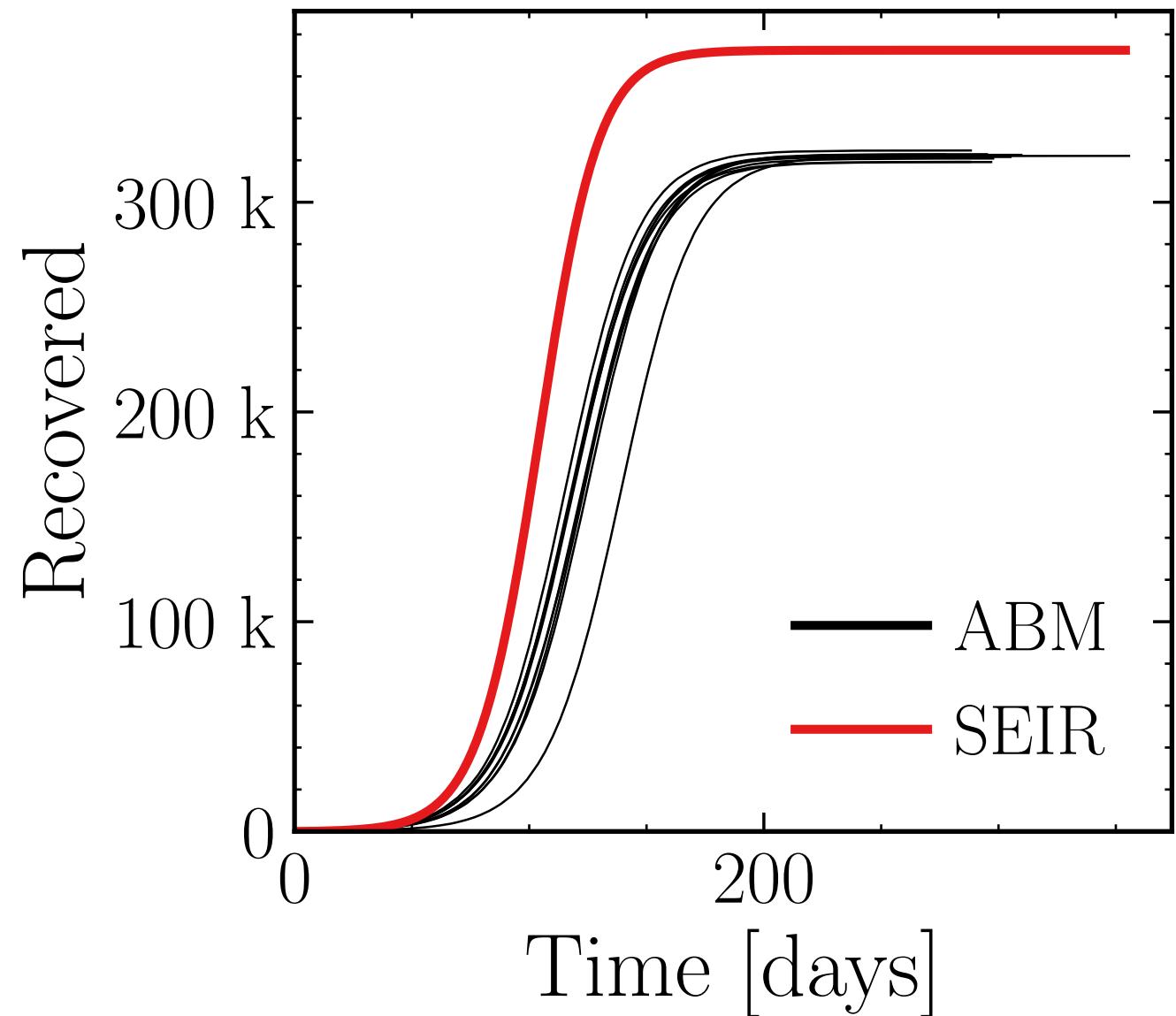


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (20.4 \pm 0.69\%) \cdot 10^3$$

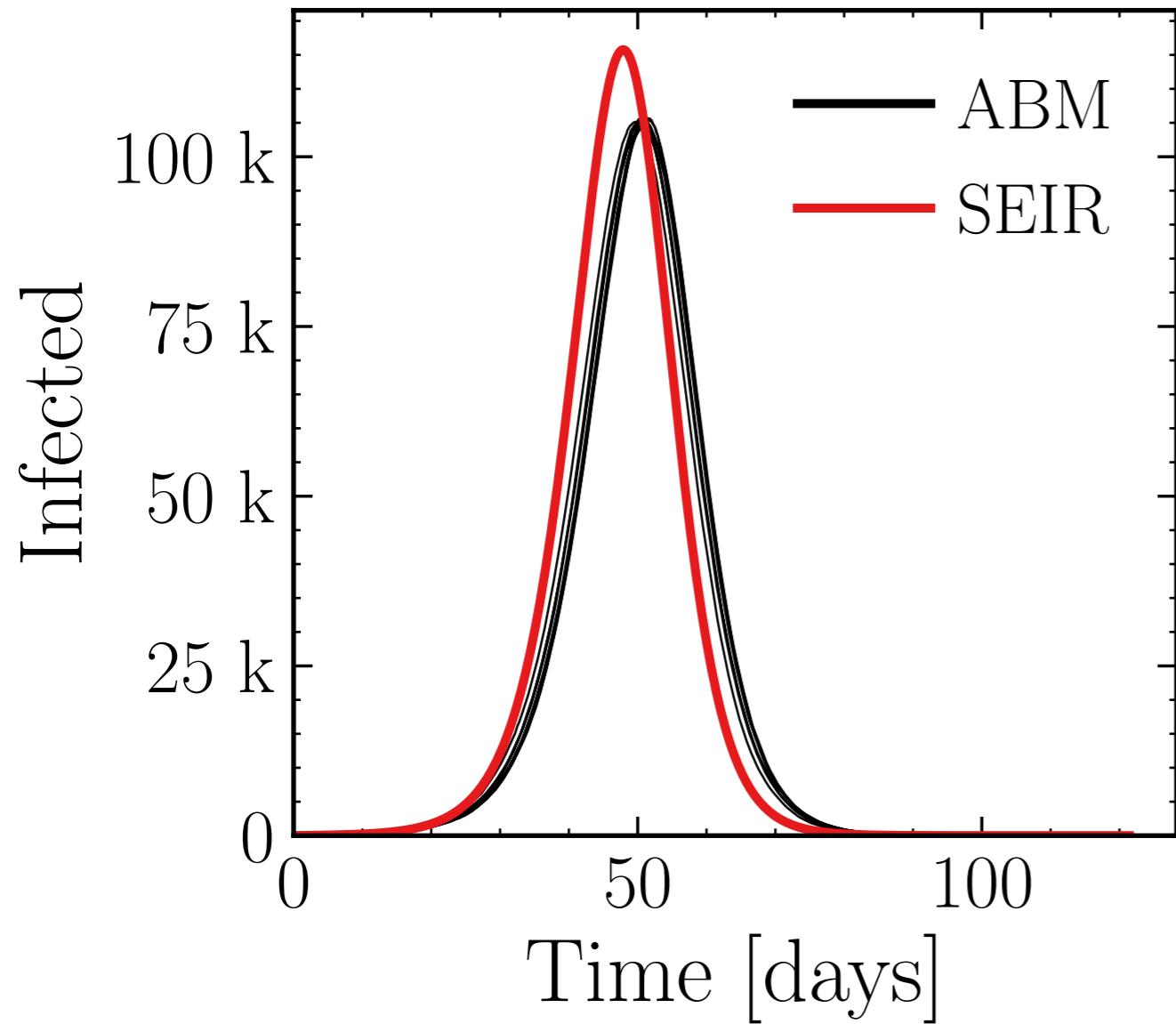


$$R_\infty^{\text{ABM}} = (321.8 \pm 0.16\%) \cdot 10^3$$

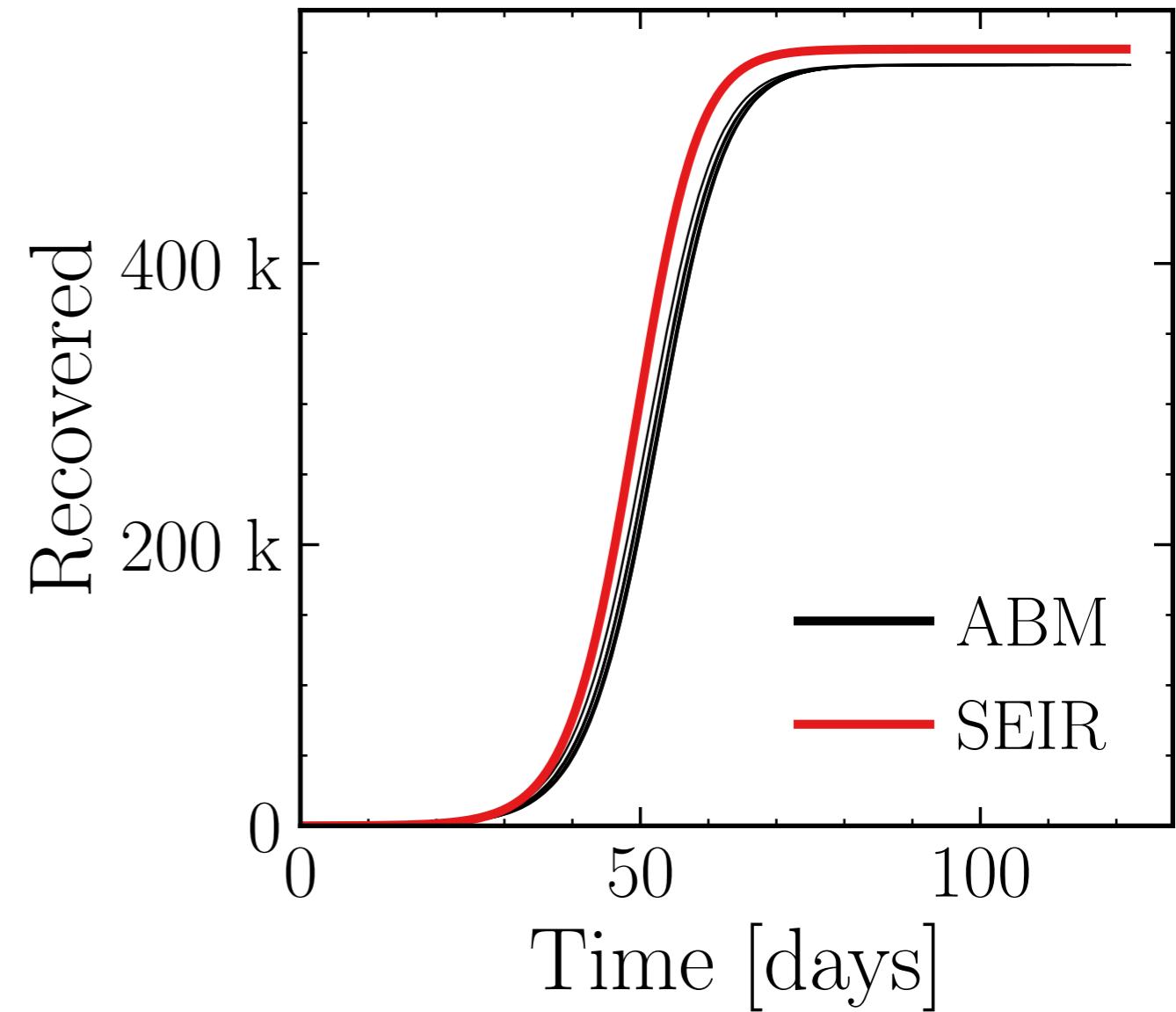


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (105.2 \pm 0.12\%) \cdot 10^3$$

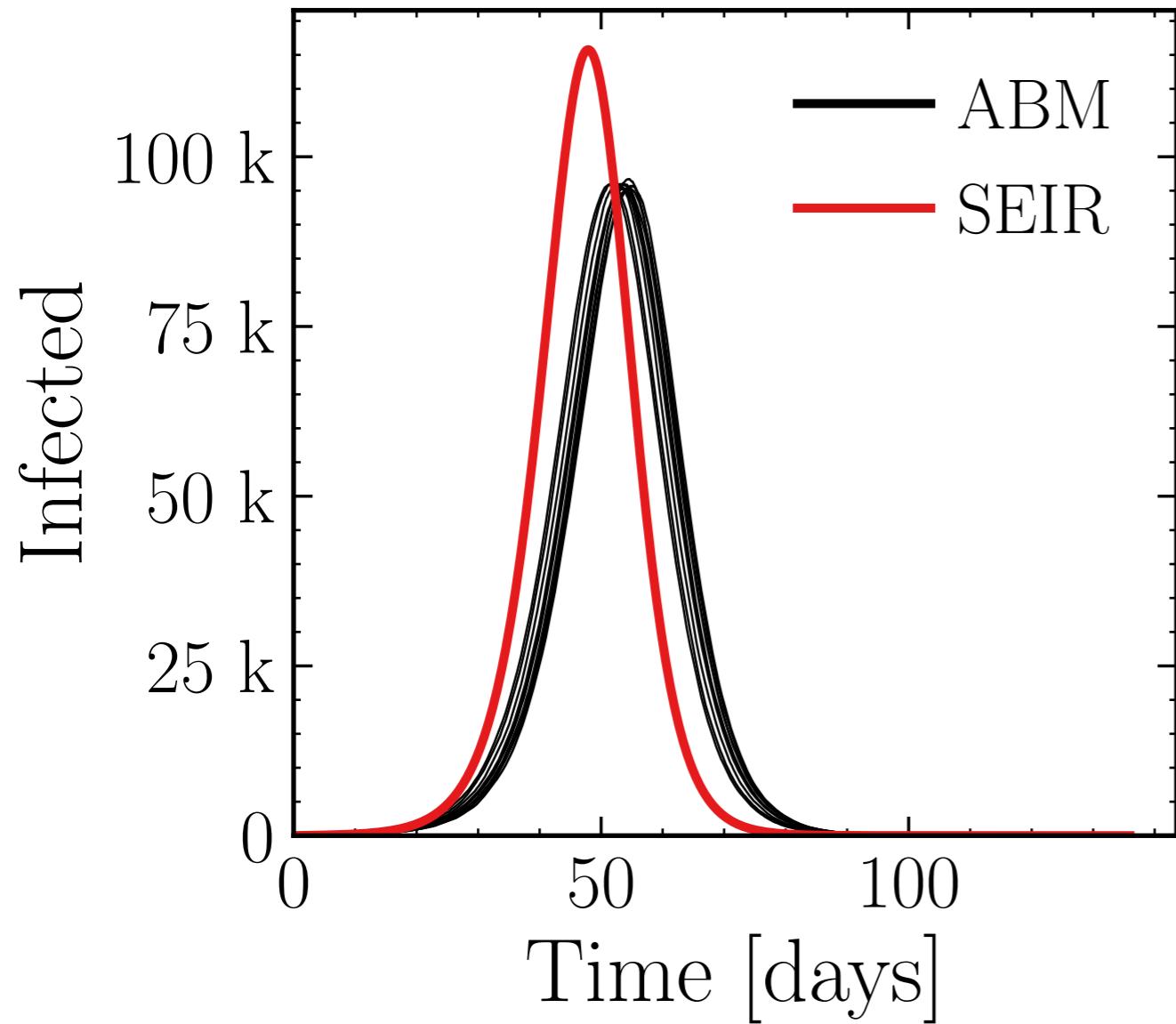


$$R_\infty^{\text{ABM}} = (541.29 \pm 0.0073\%) \cdot 10^3$$

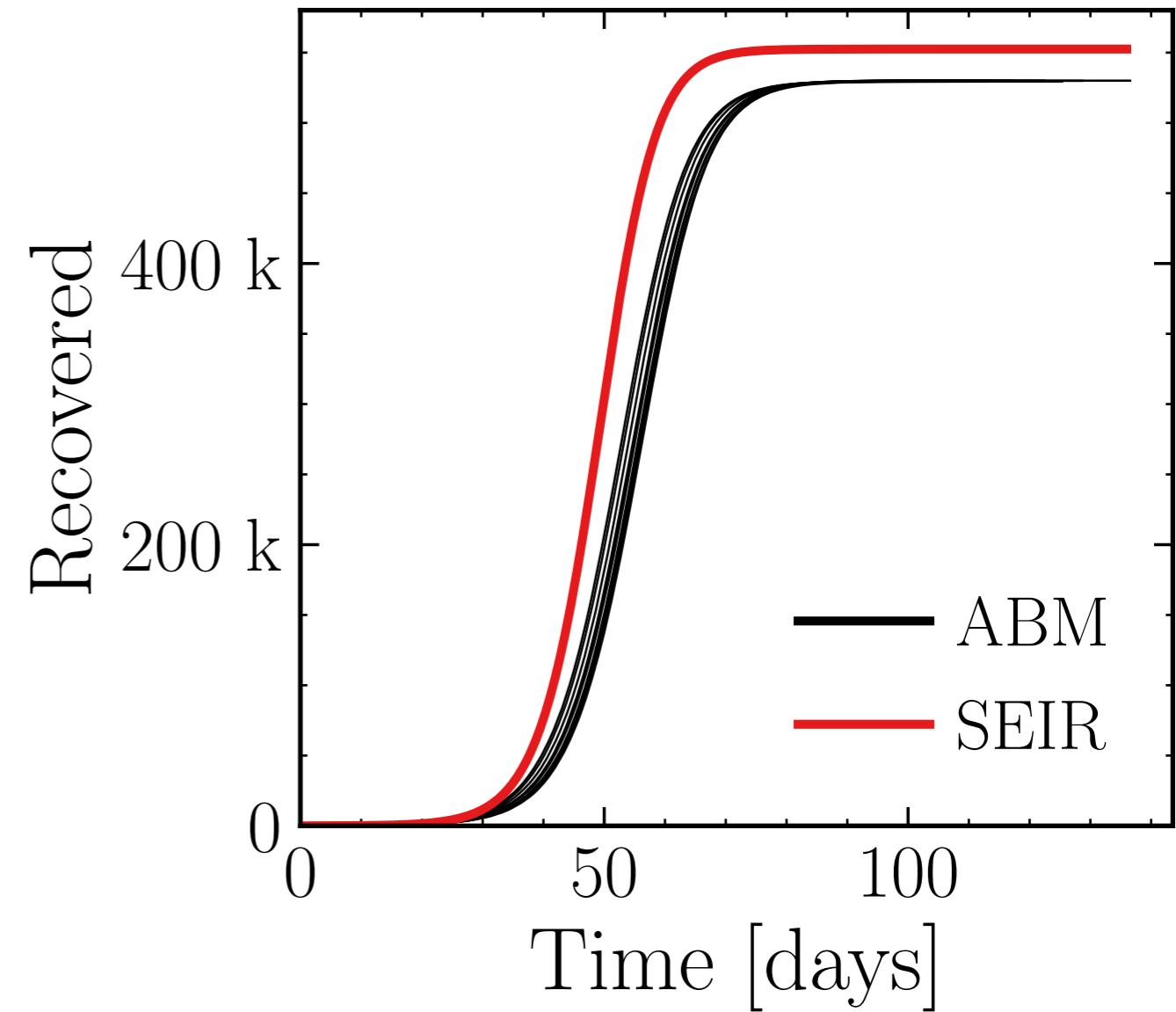


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (95.8 \pm 0.13\%) \cdot 10^3$$



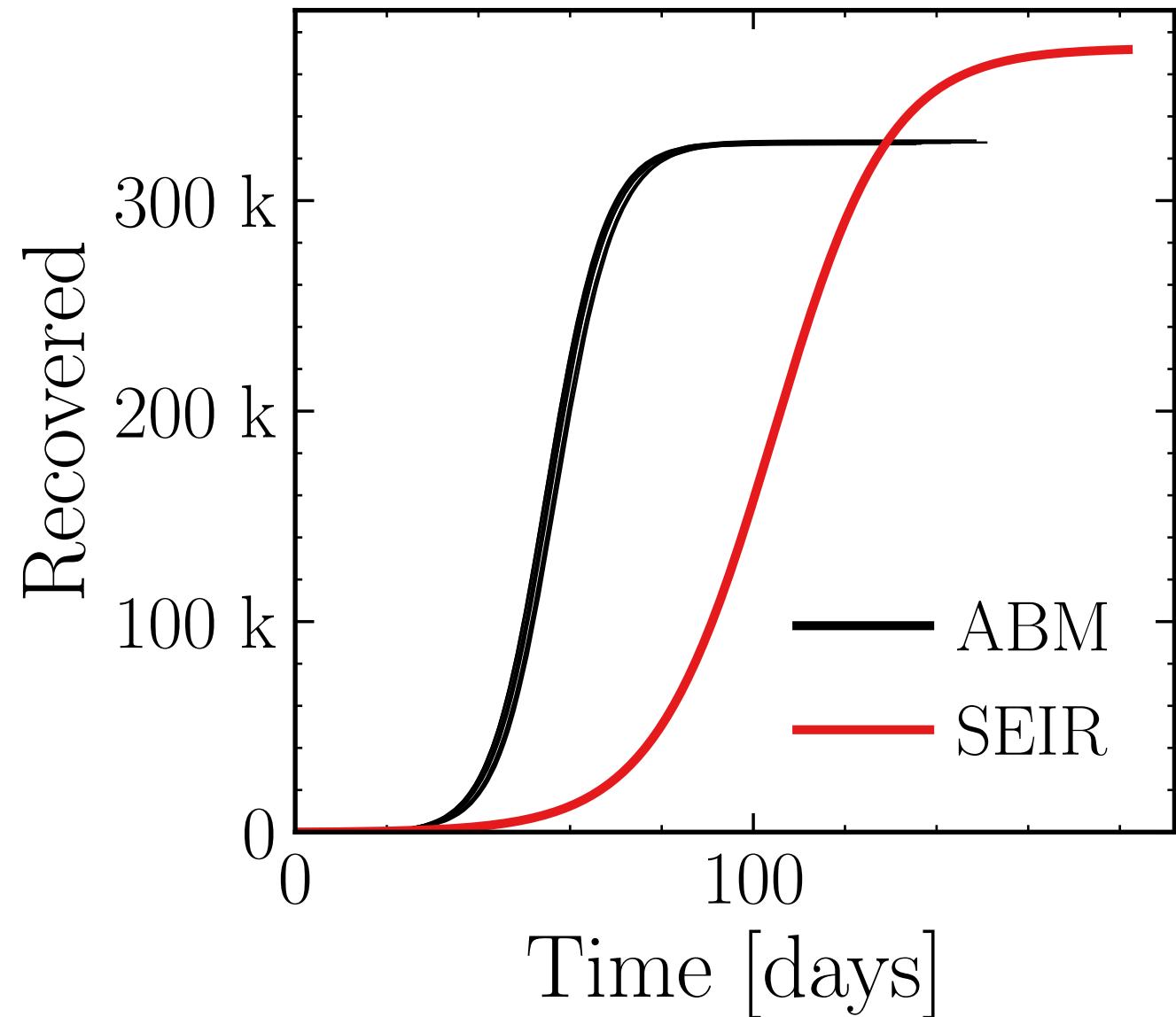
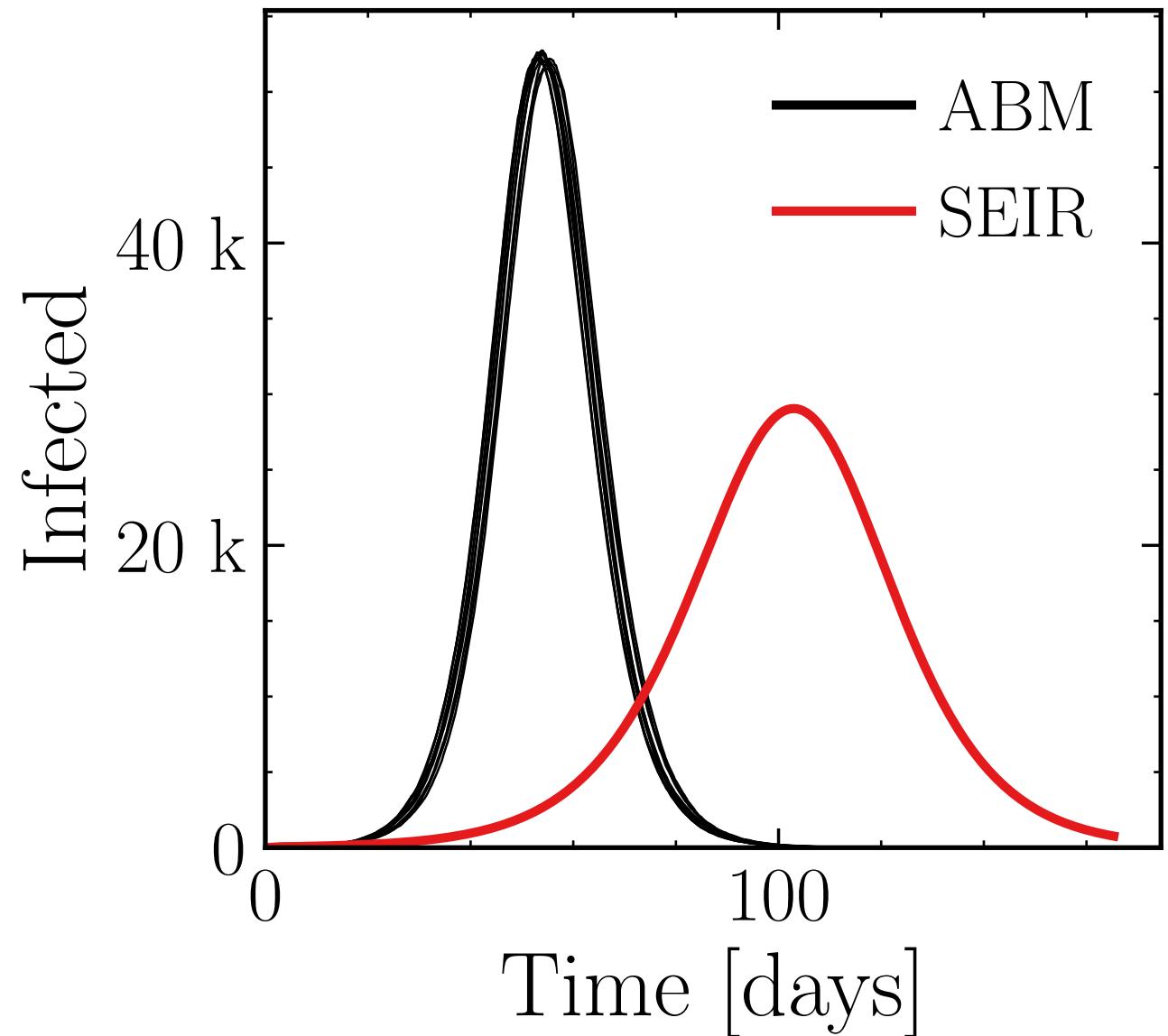
$$R_\infty^{\text{ABM}} = (529.9 \pm 0.017\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (52.3 \pm 0.21\%) \cdot 10^3$$

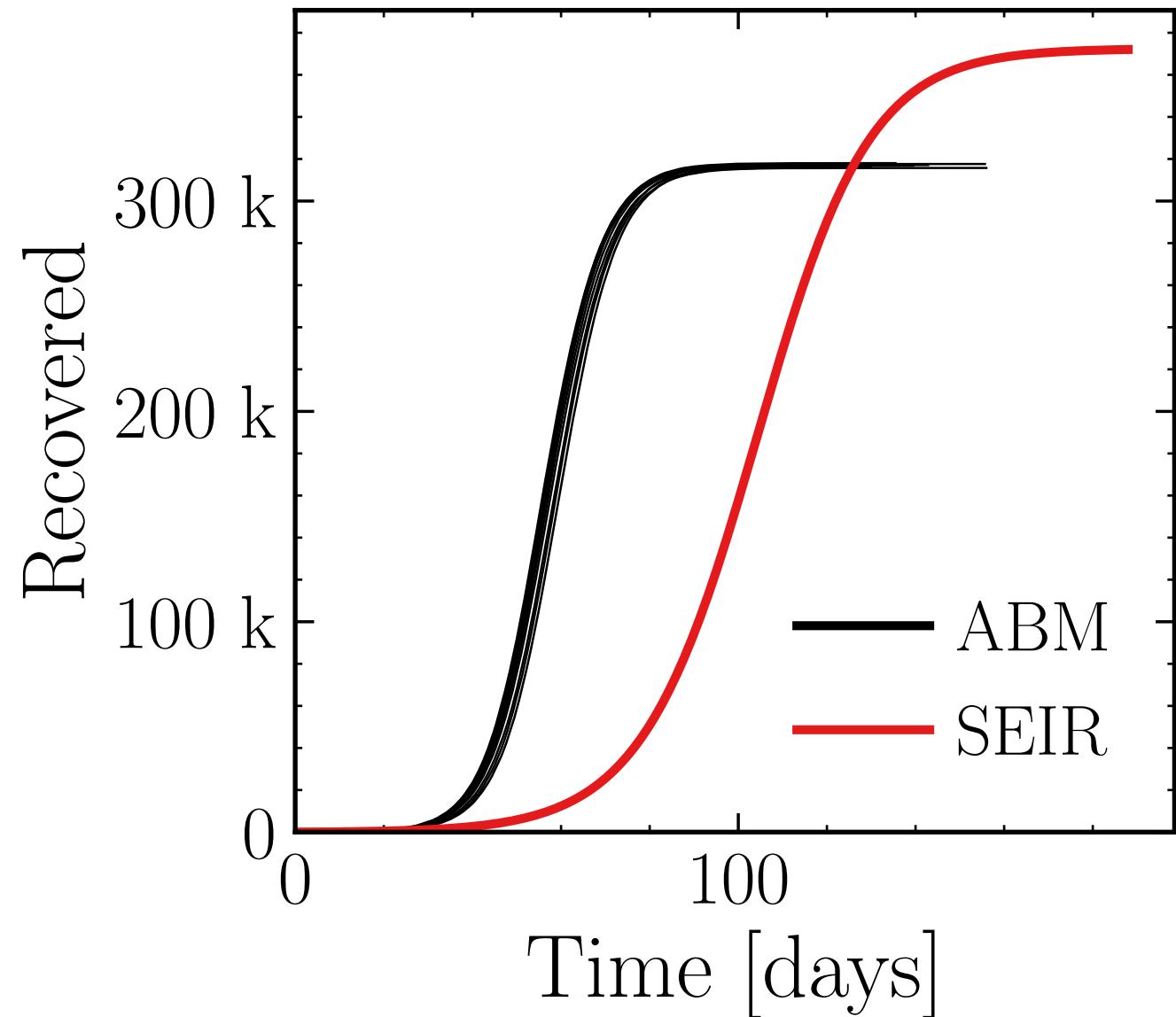
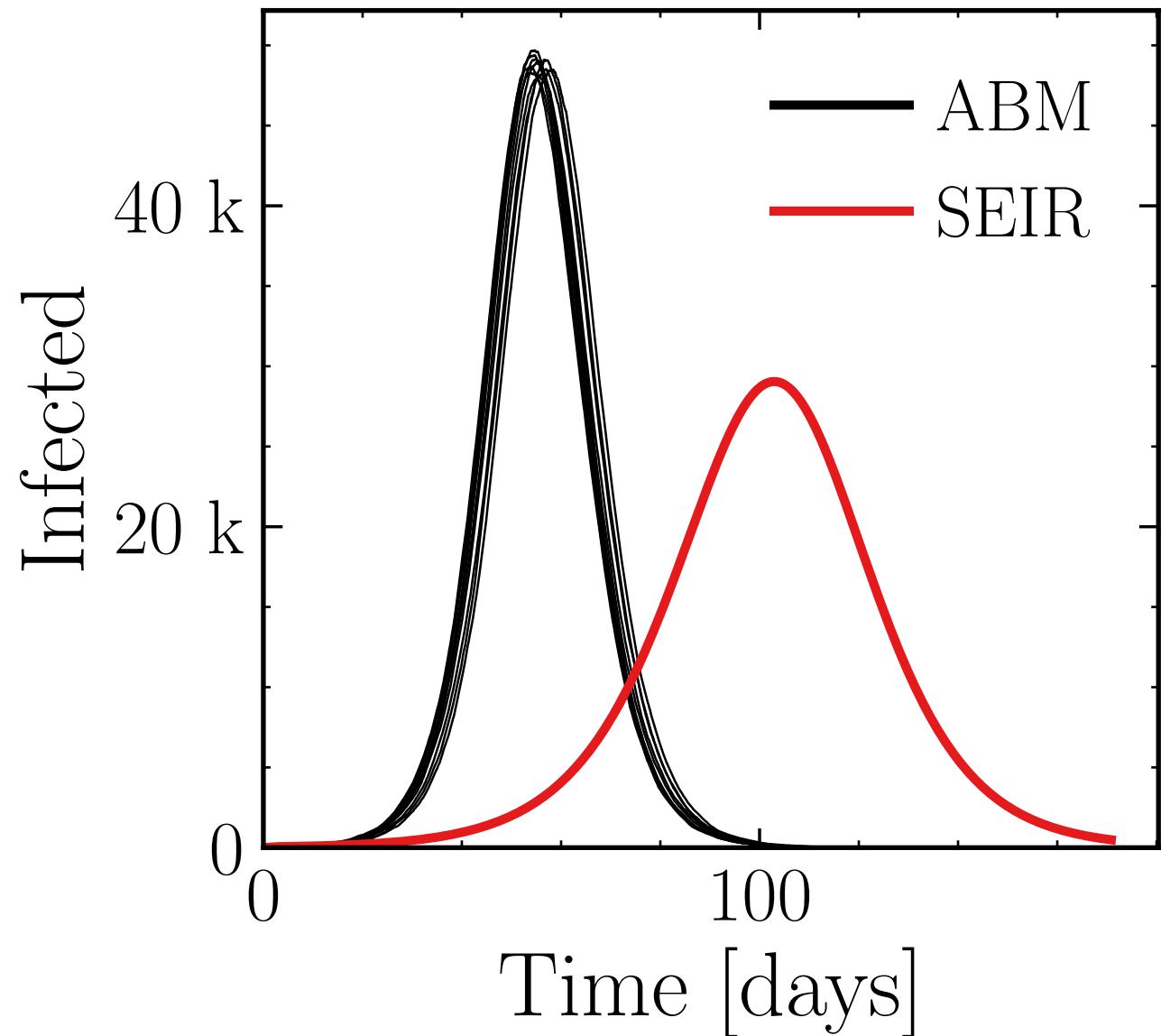
$$R_\infty^{\text{ABM}} = (327.5 \pm 0.055\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

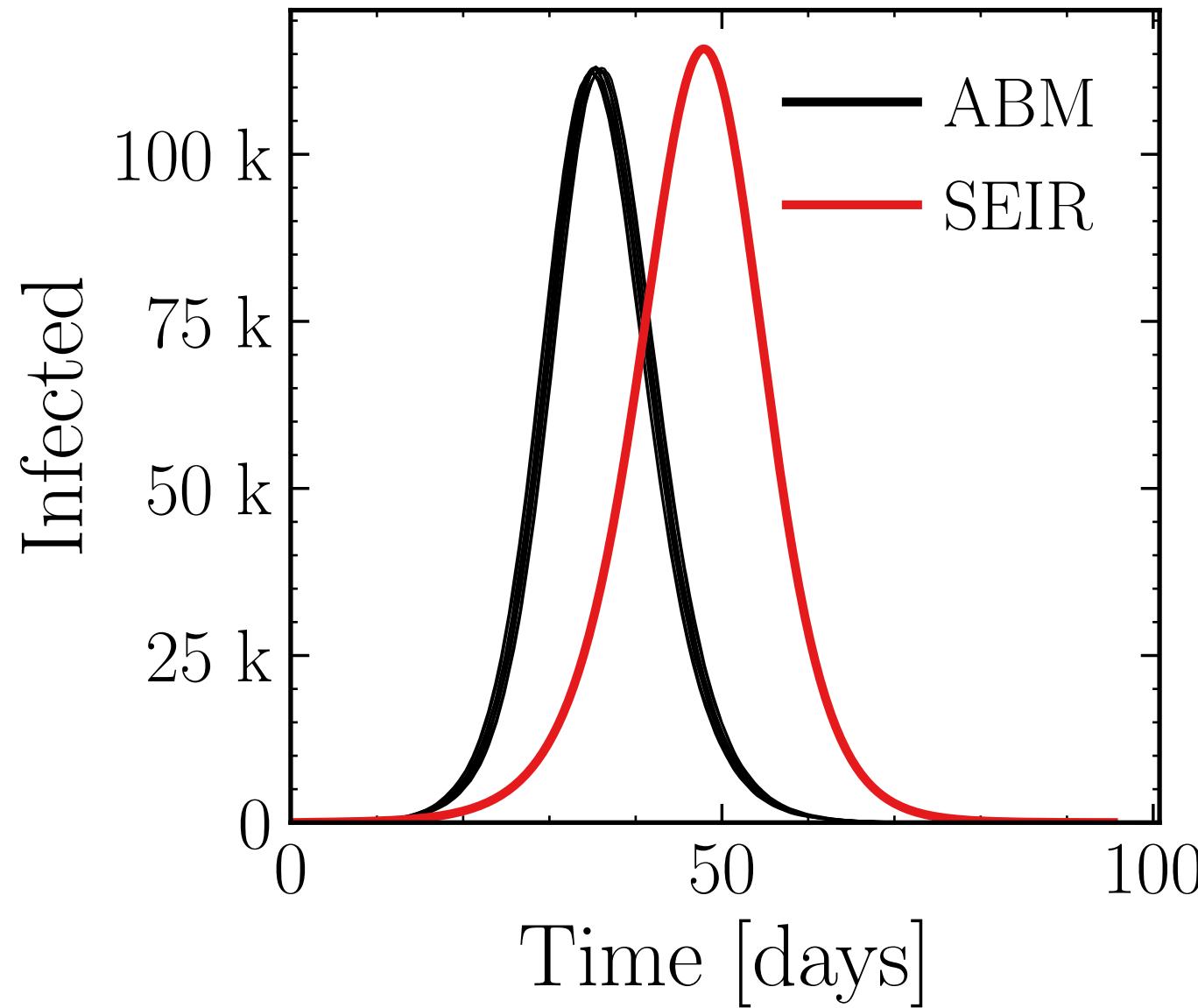
$$I_{\max}^{\text{ABM}} = (48.8 \pm 0.32\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (316.9 \pm 0.072\%) \cdot 10^3$$

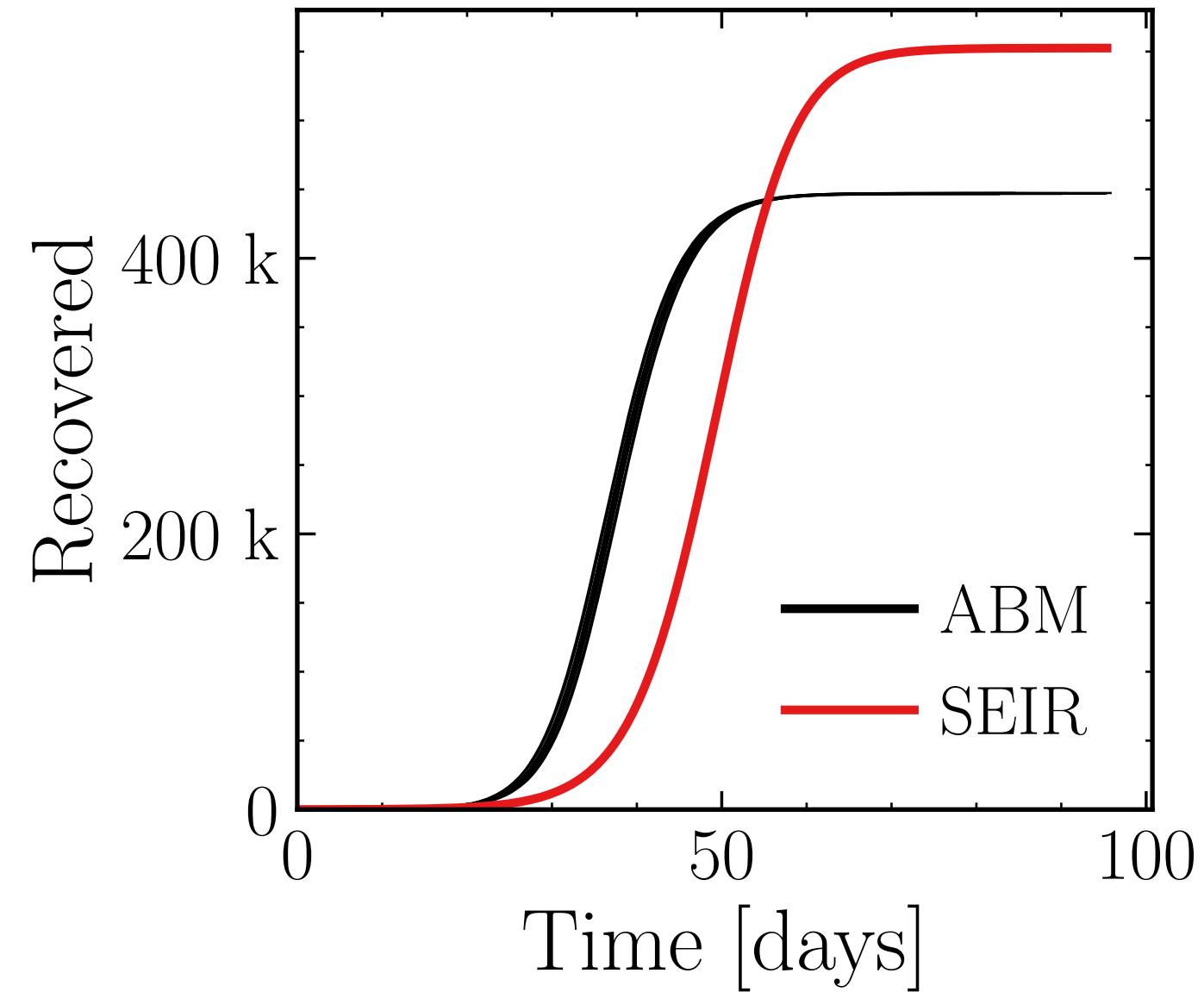


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (112.6 \pm 0.093\%) \cdot 10^3$$

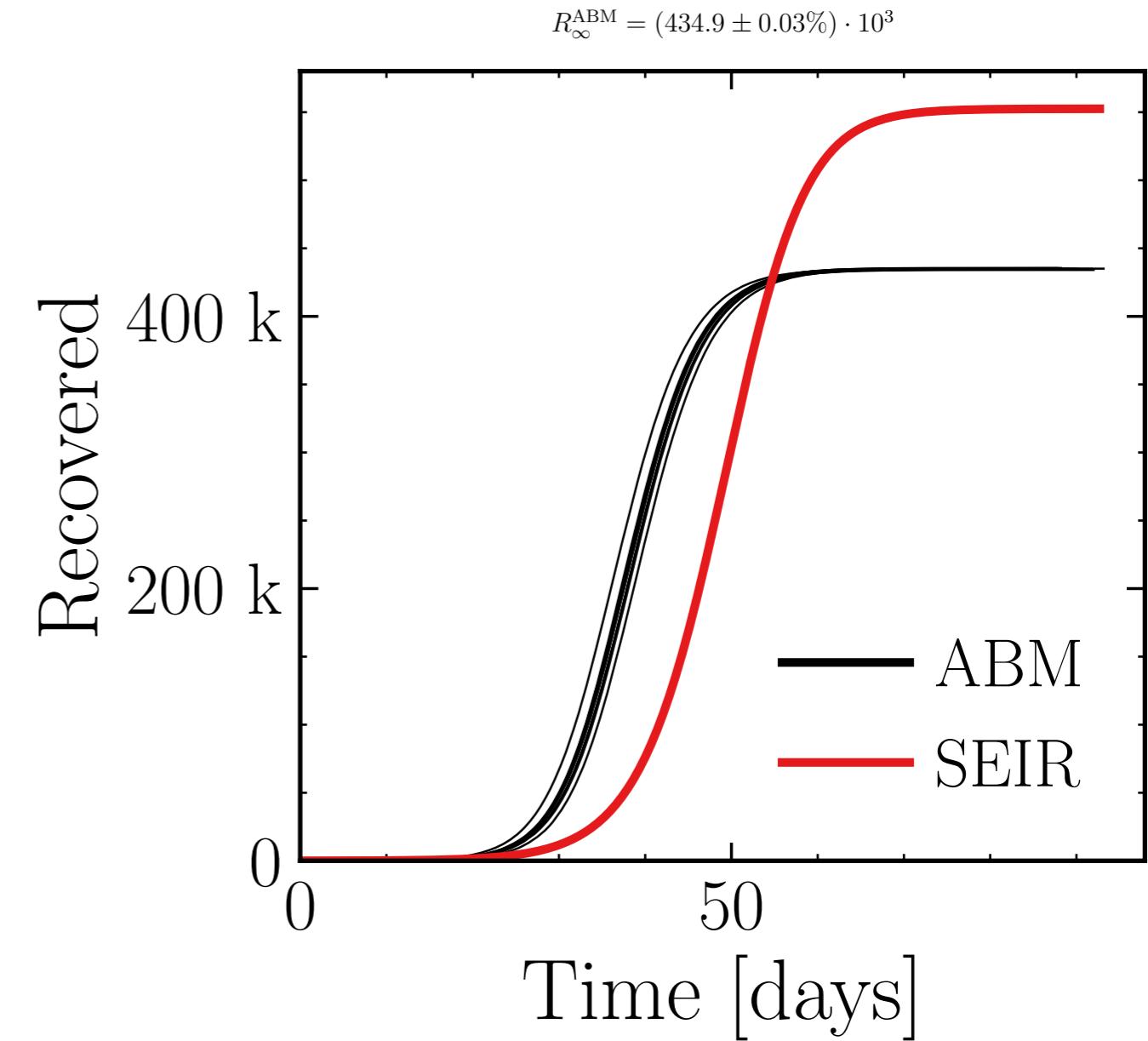
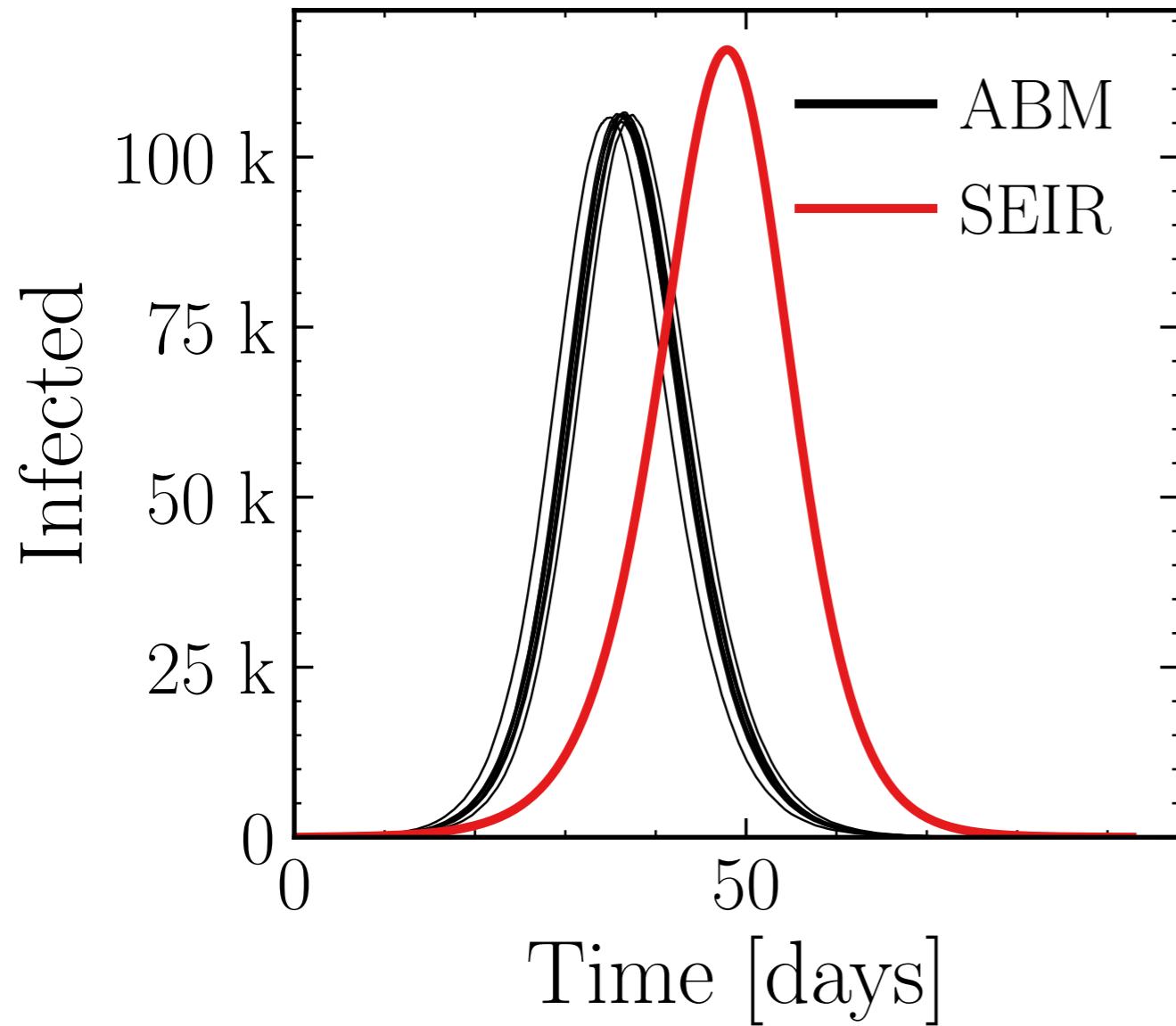


$$R_\infty^{\text{ABM}} = (447.07 \pm 0.019\%) \cdot 10^3$$

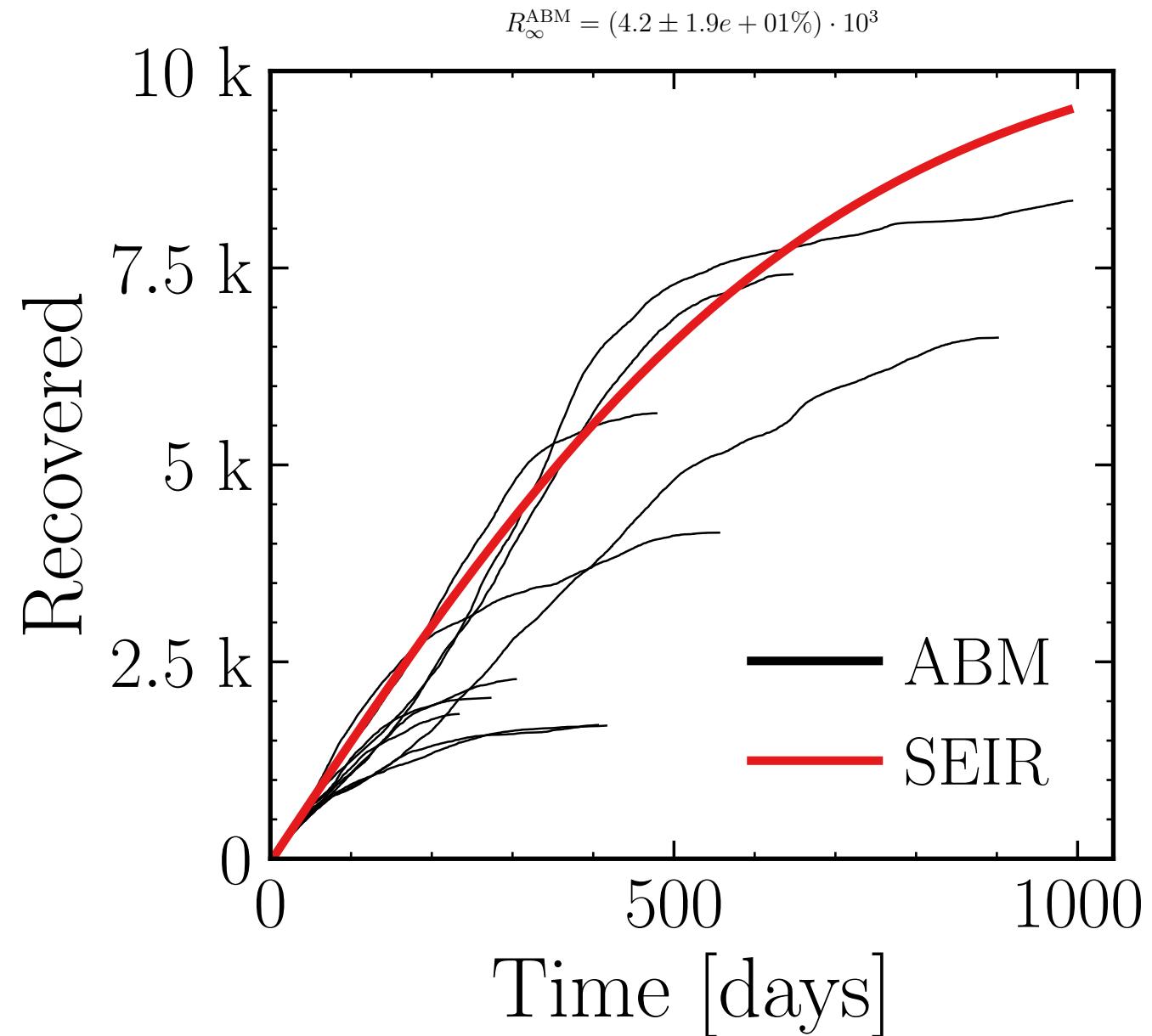
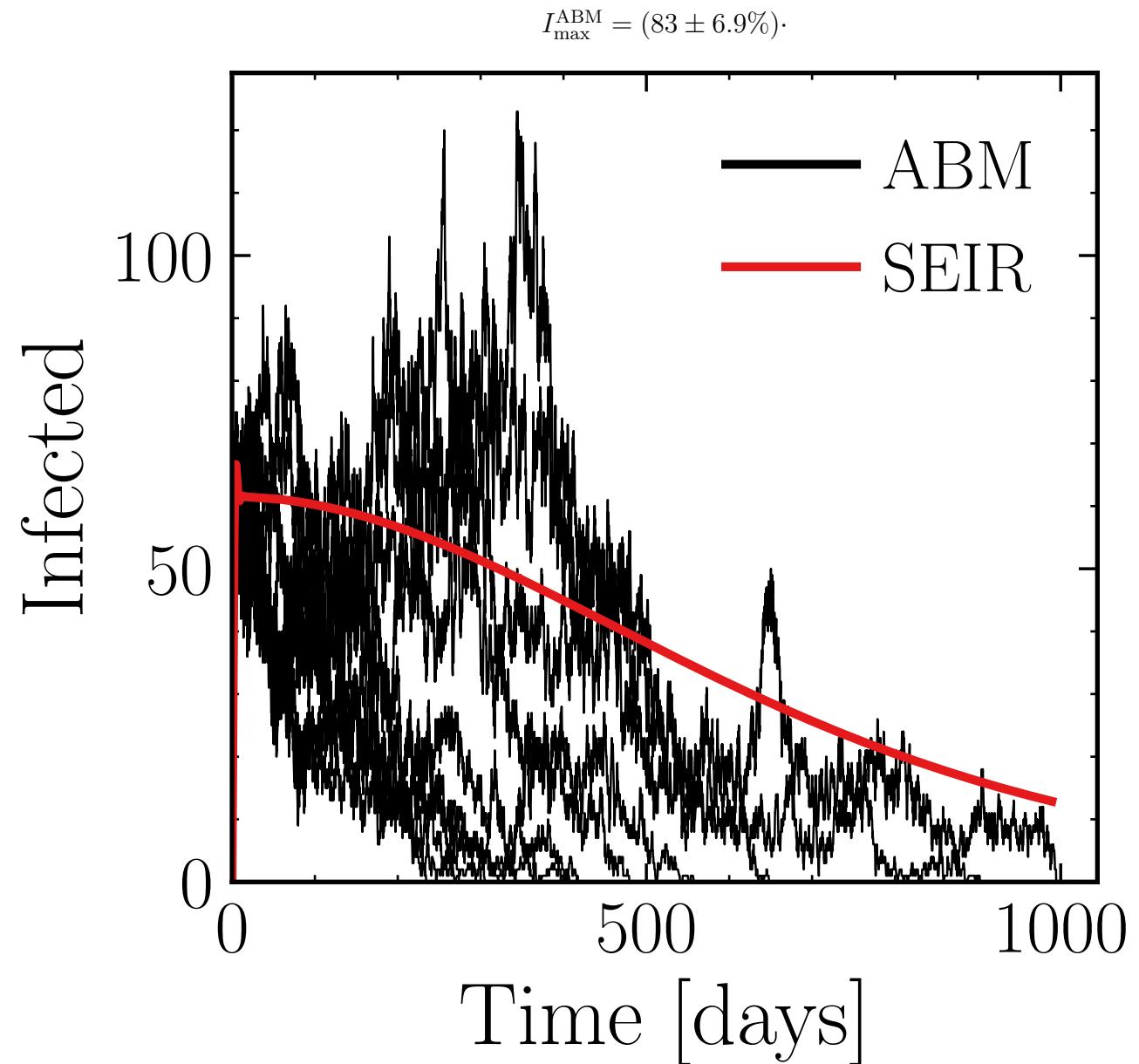


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (106.1 \pm 0.11\%) \cdot 10^3$$

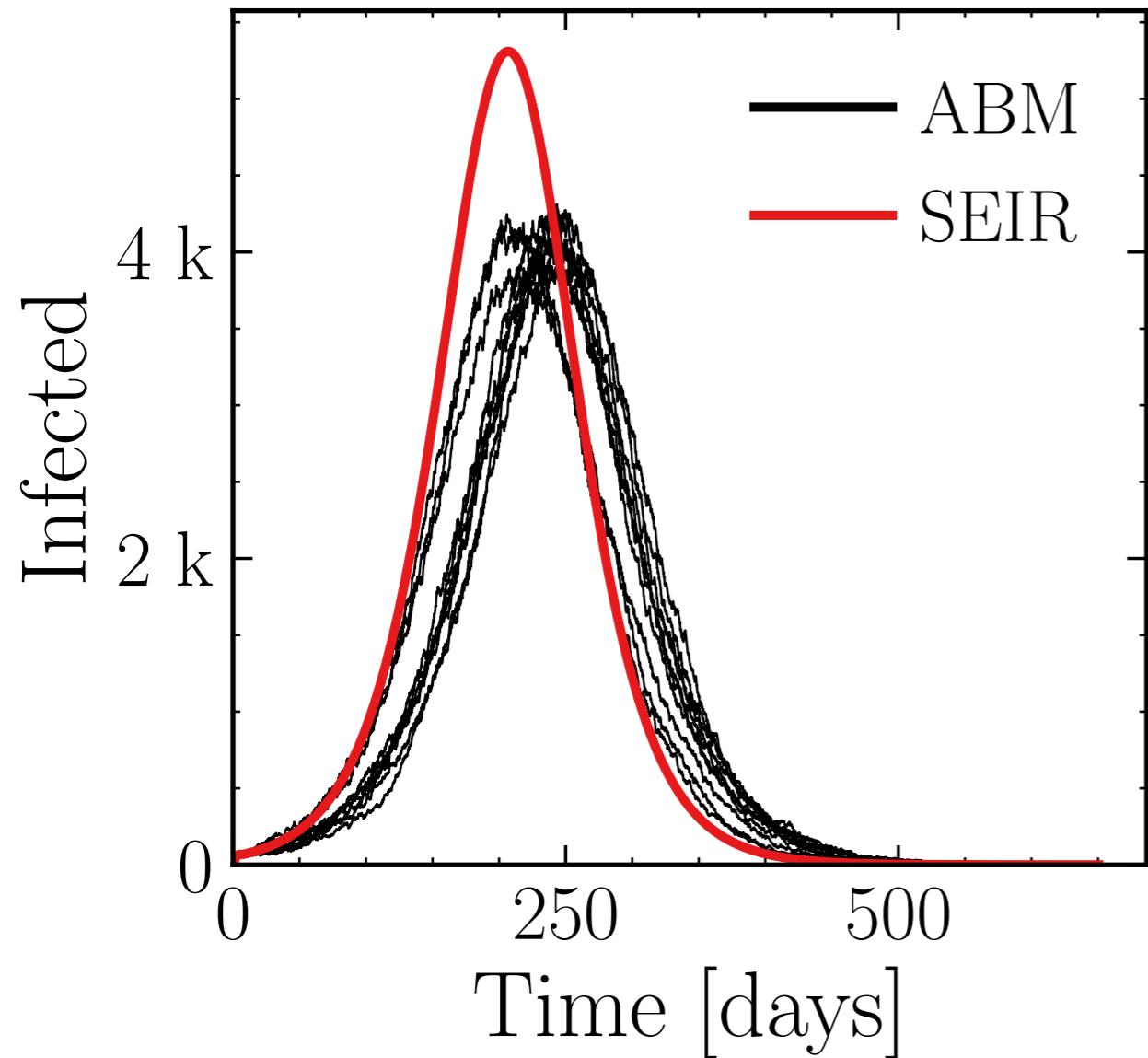


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 25.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

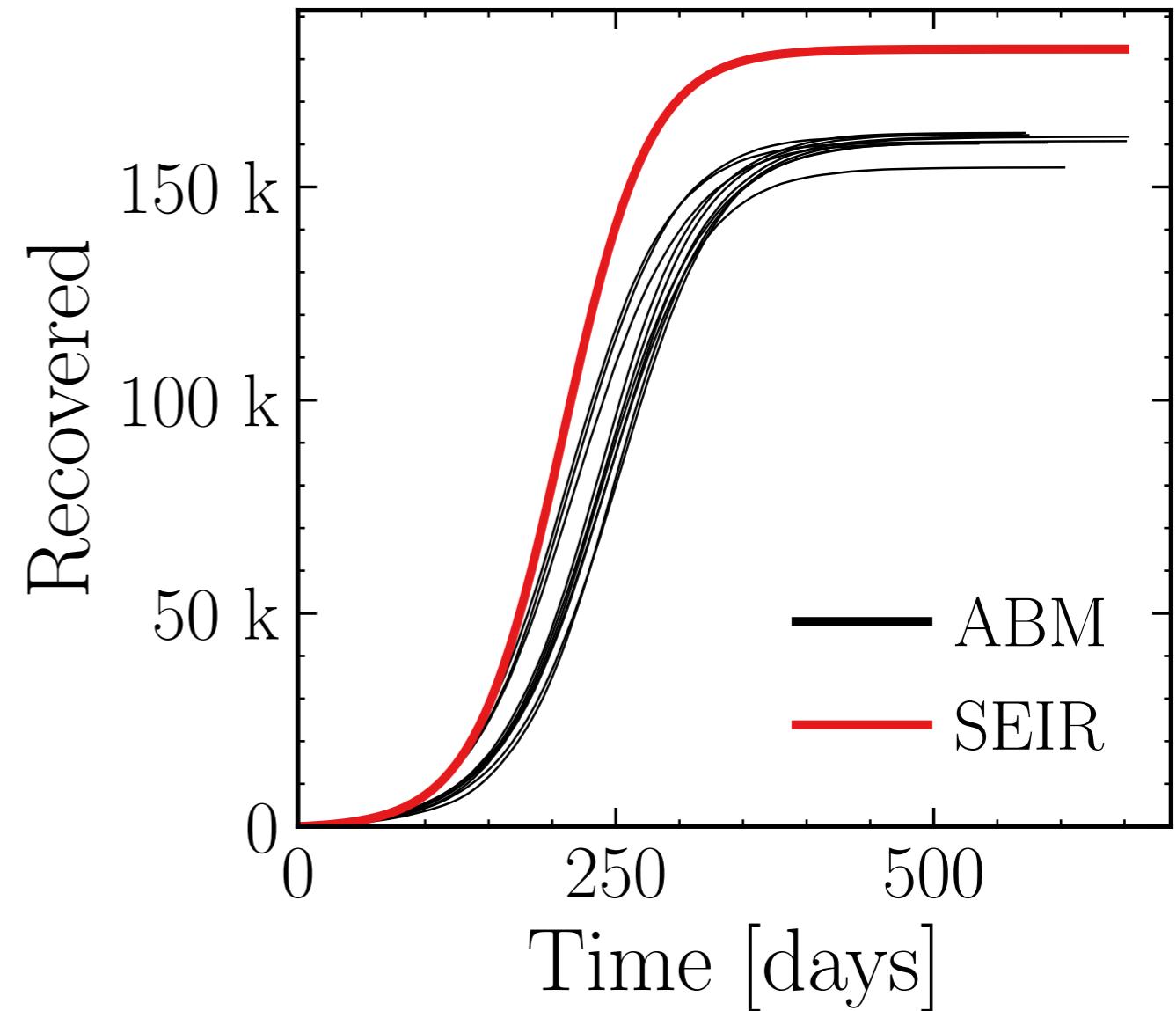


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

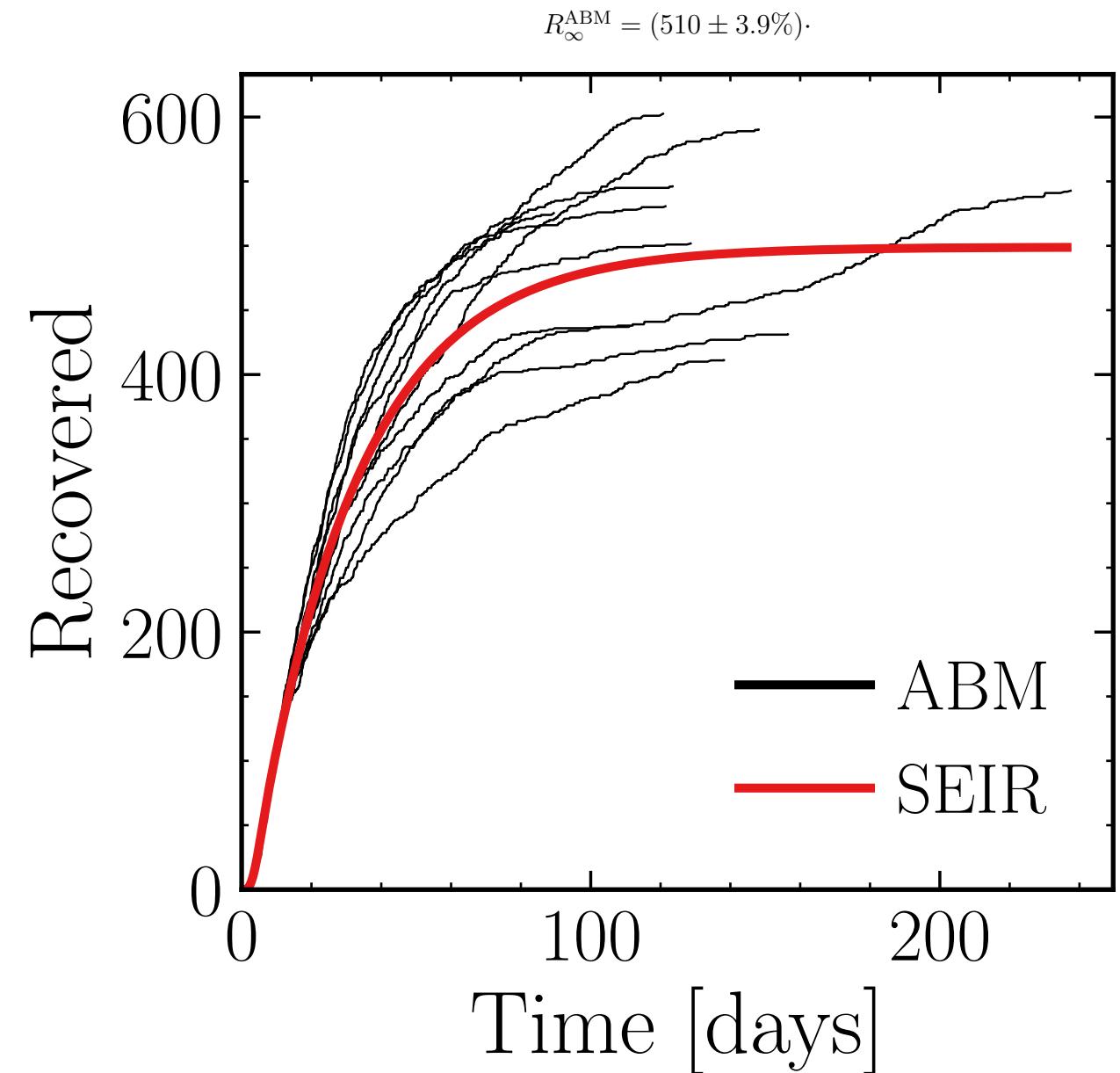
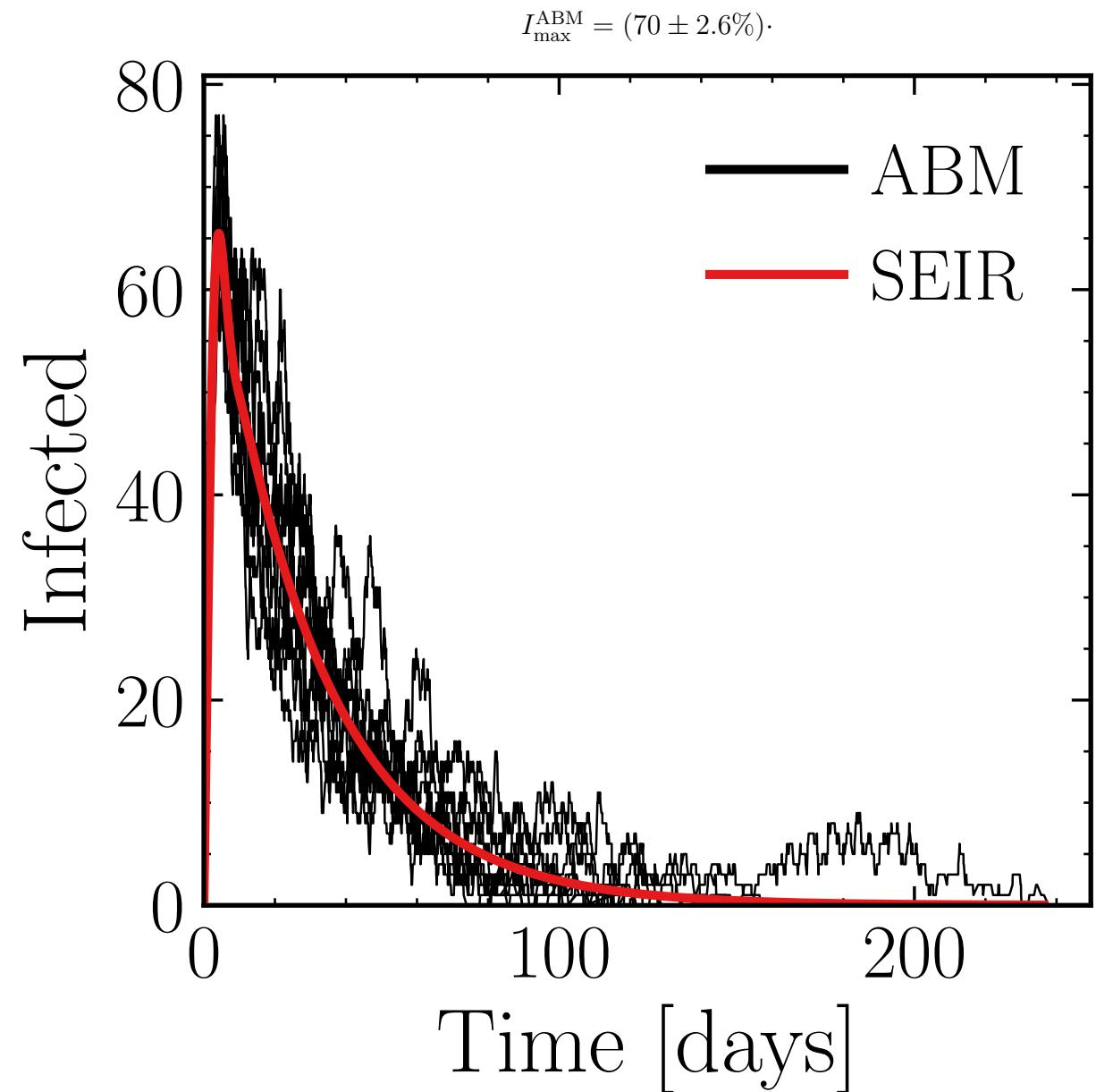
$$I_{\max}^{\text{ABM}} = (4.13 \pm 1.0\%) \cdot 10^3$$



$$R_{\infty}^{\text{ABM}} = (160.7 \pm 0.44\%) \cdot 10^3$$

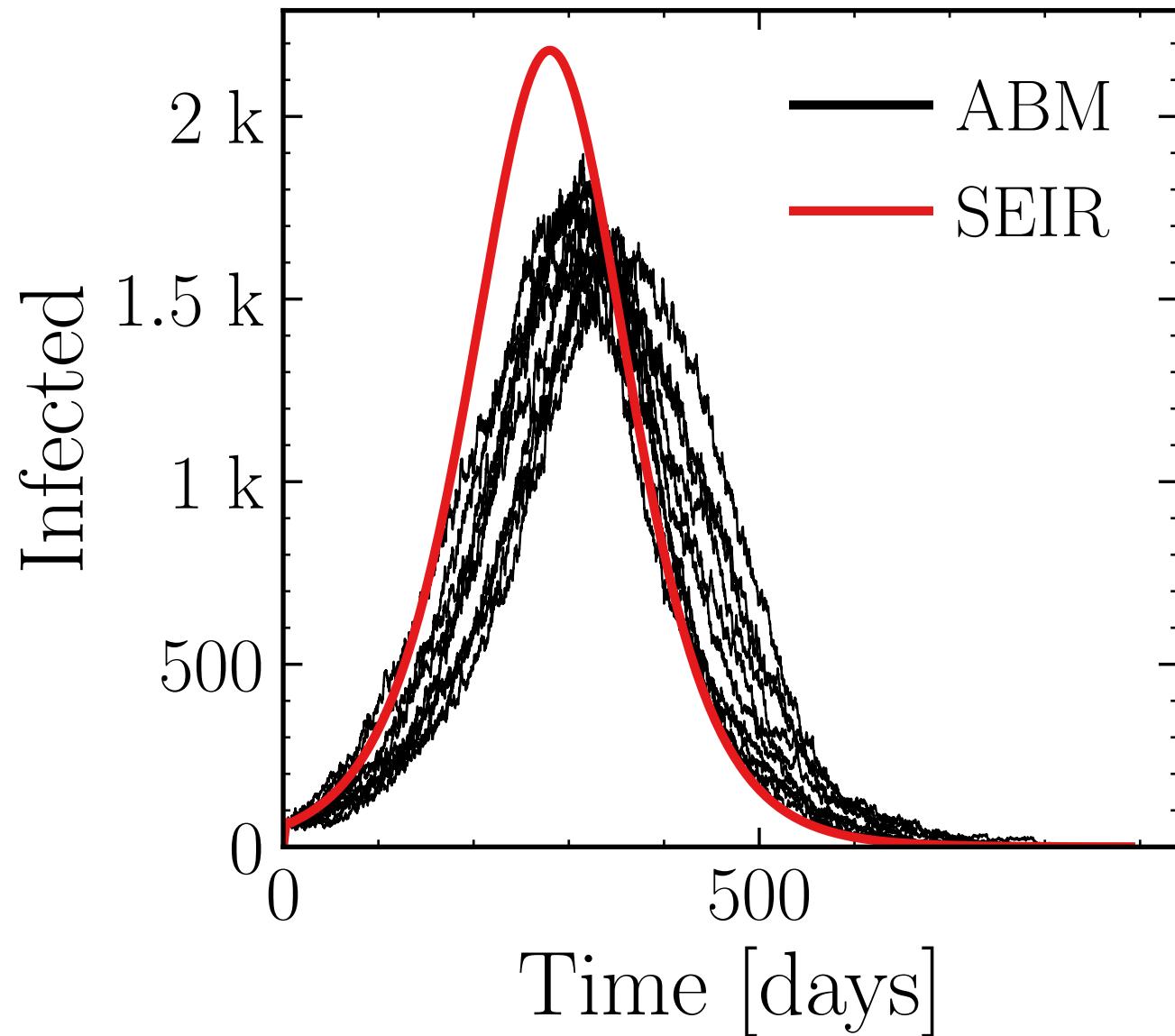


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

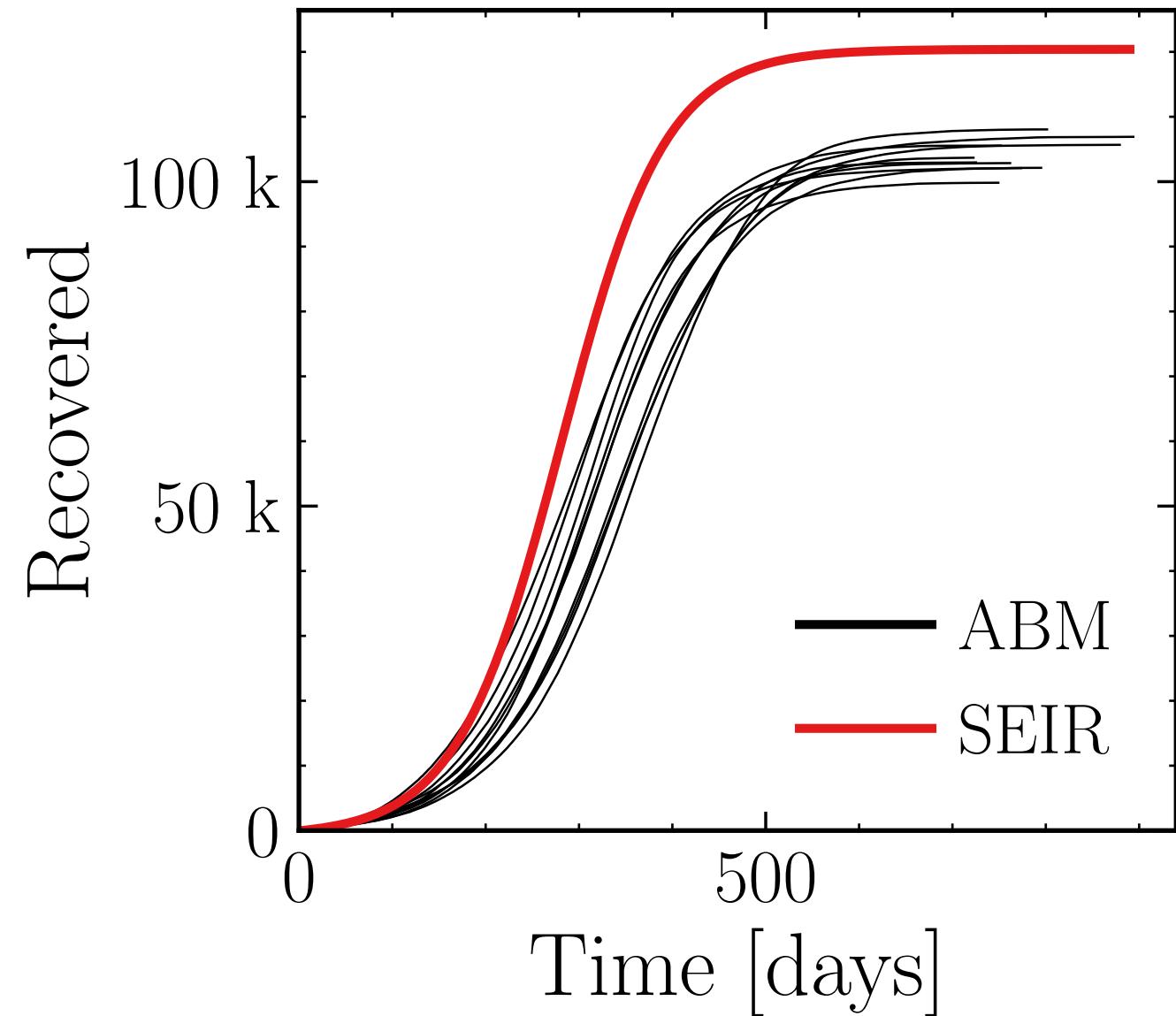


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (1.73 \pm 1.5\%) \cdot 10^3$$

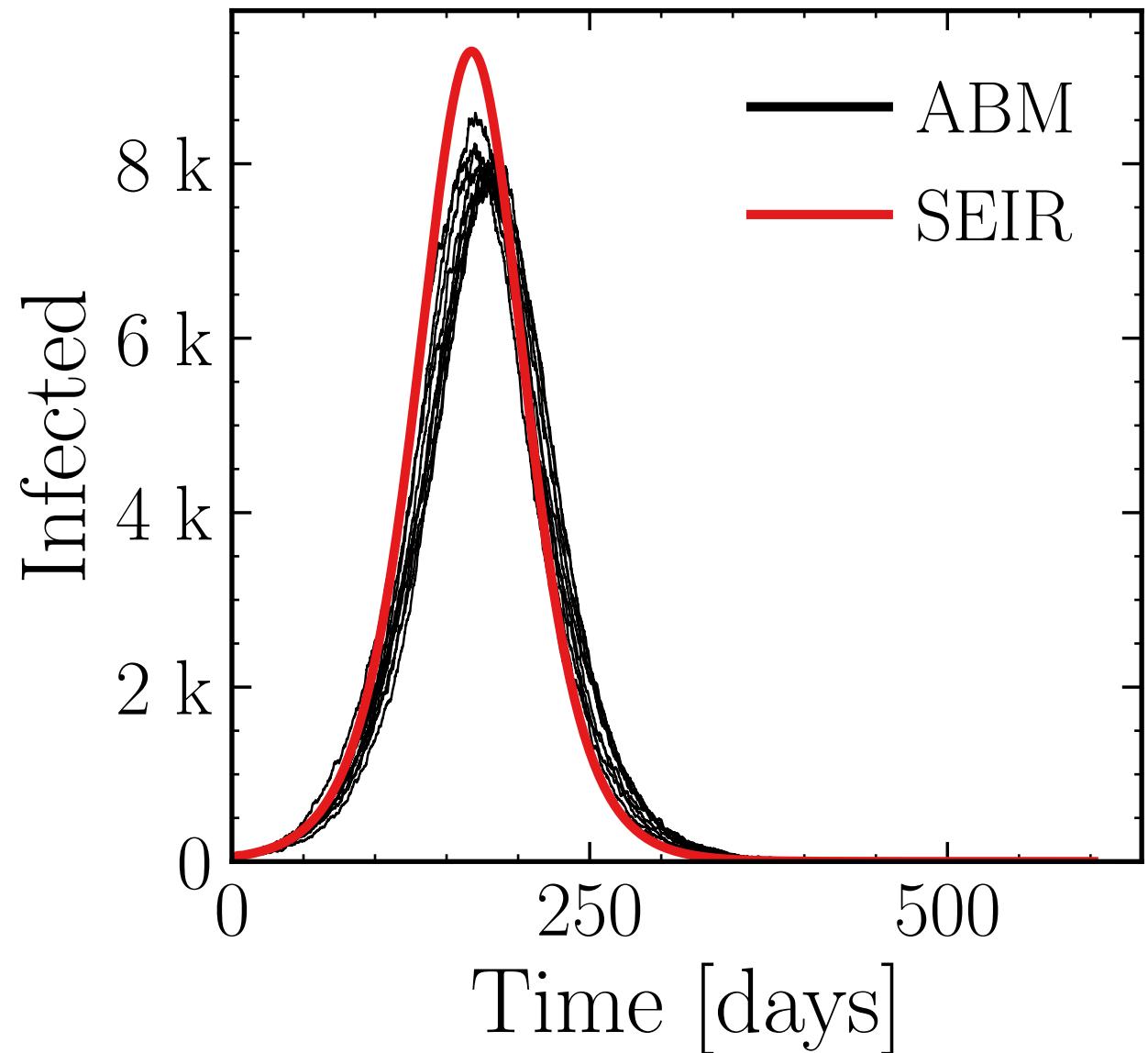


$$R_\infty^{\text{ABM}} = (104 \pm 0.73\%) \cdot 10^3$$

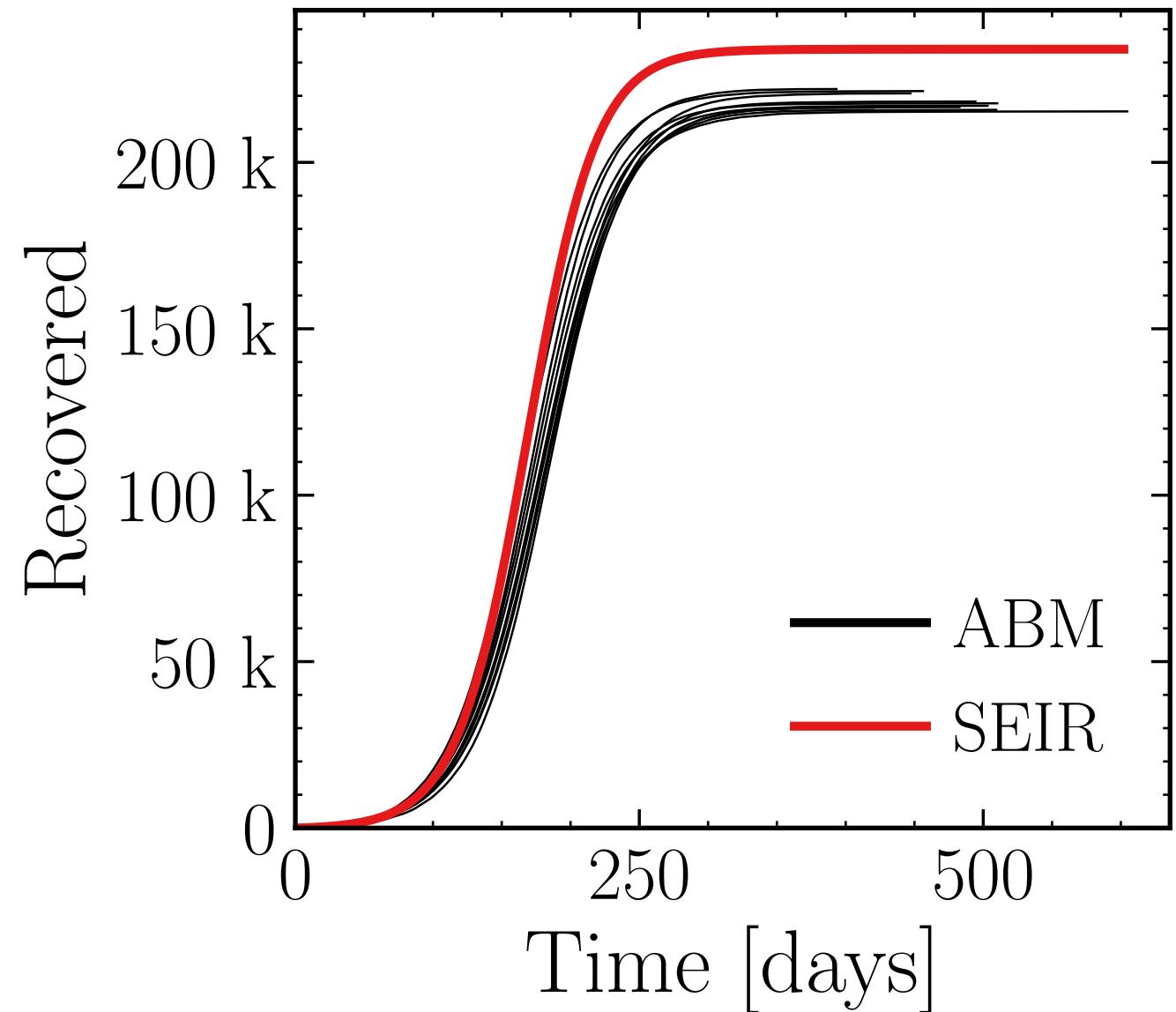


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.008$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (8.04 \pm 0.93\%) \cdot 10^3$$



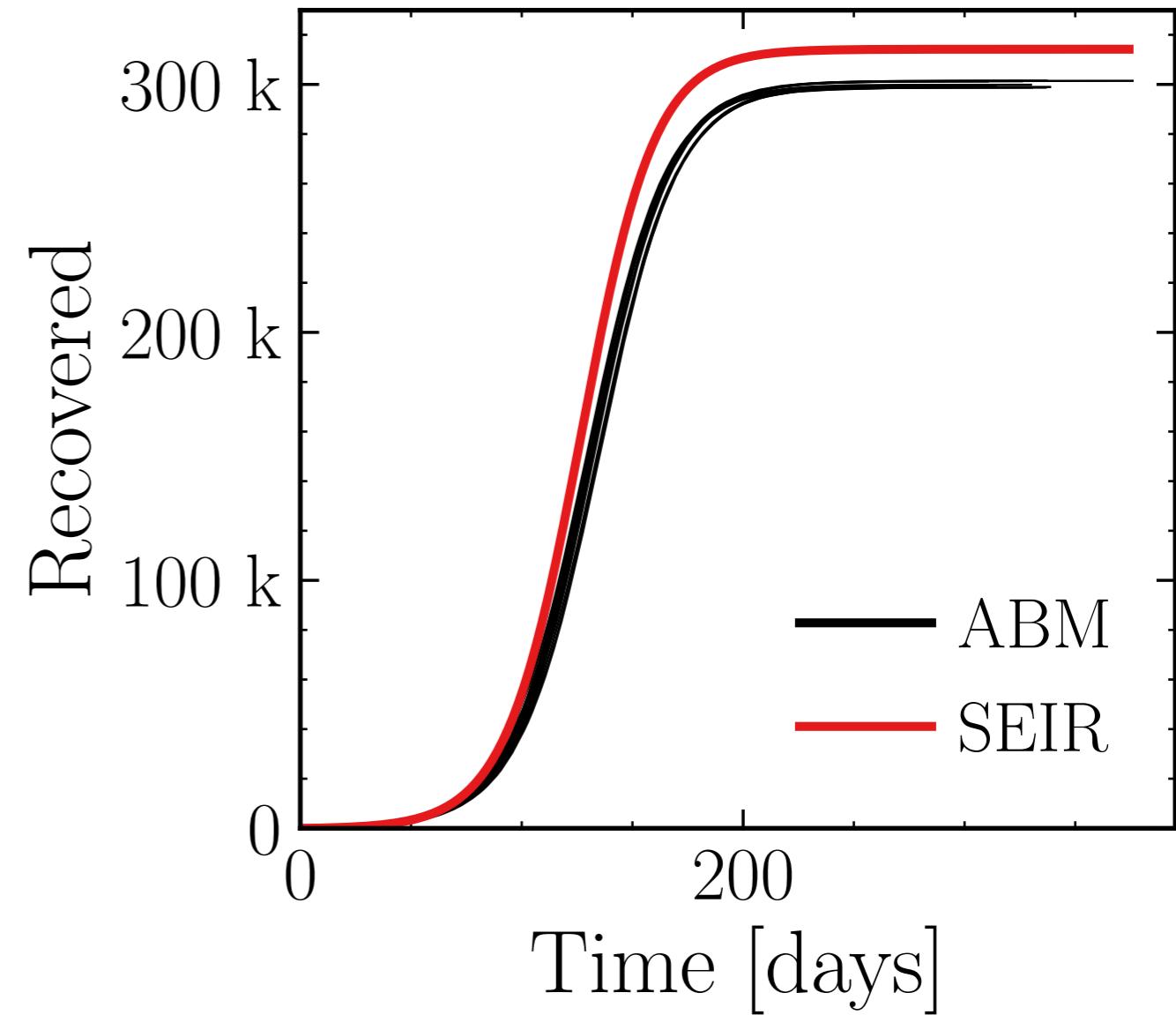
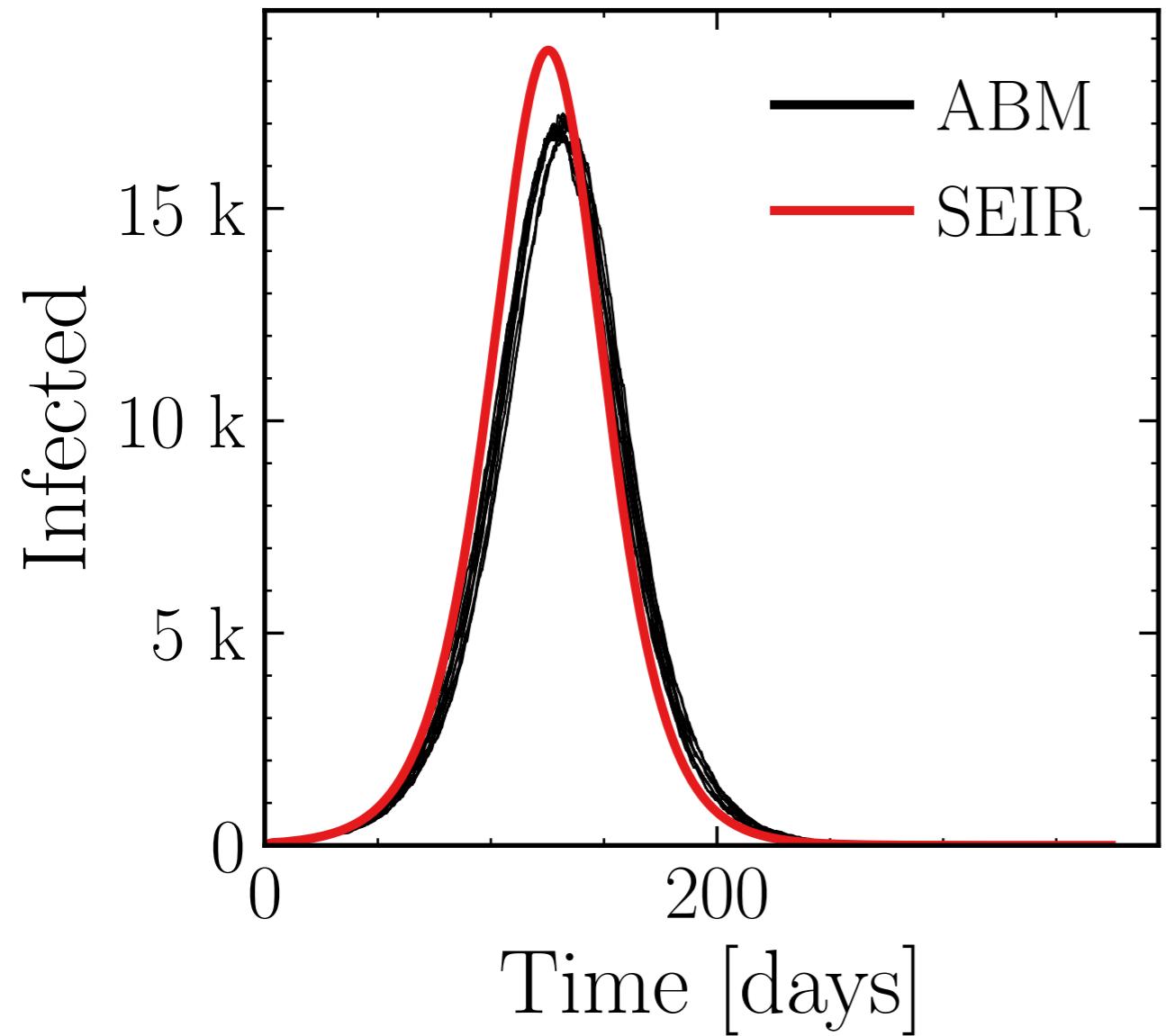
$$R_{\infty}^{\text{ABM}} = (218.1 \pm 0.33\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.009$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (16.98 \pm 0.32\%) \cdot 10^3$$

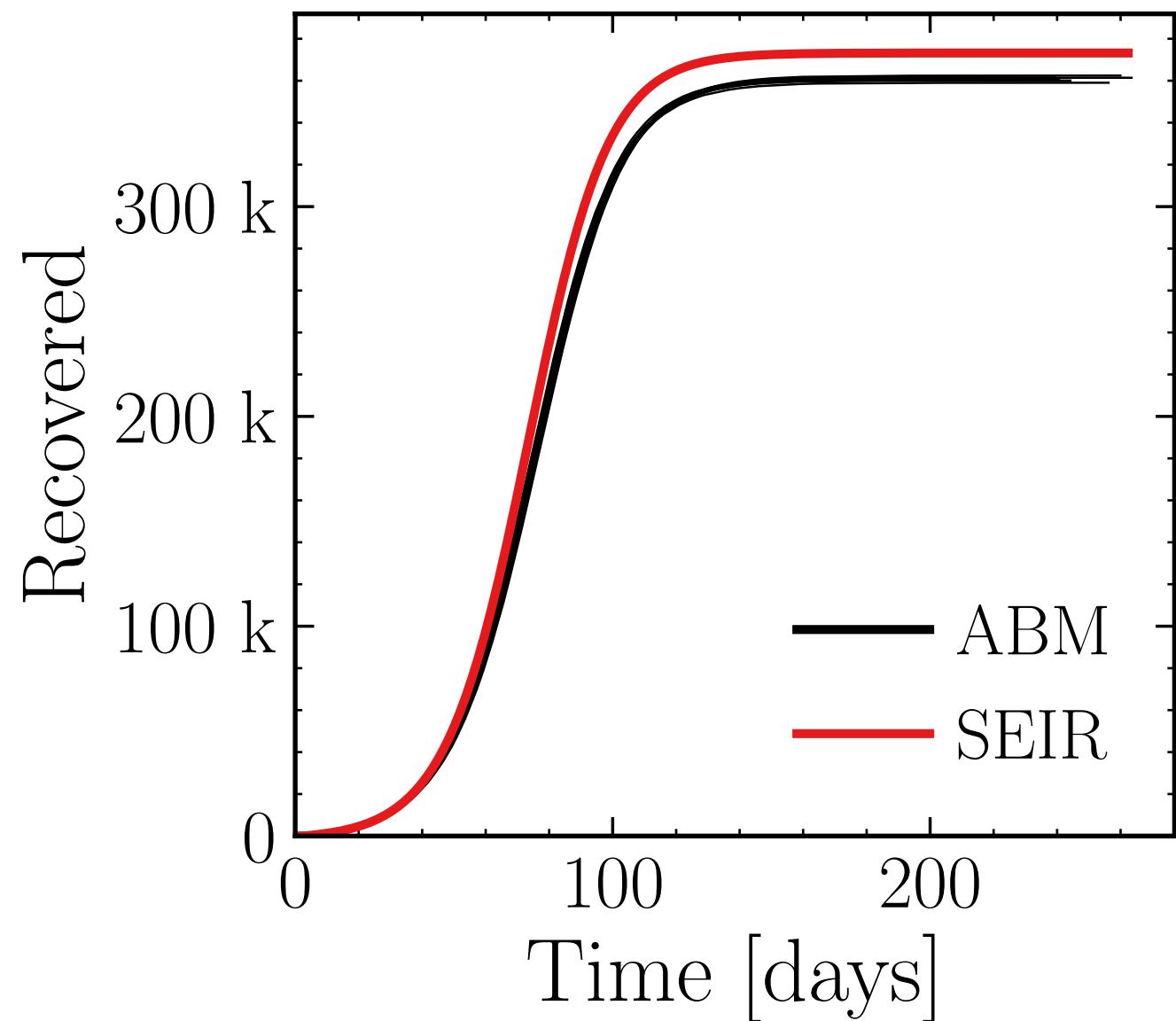
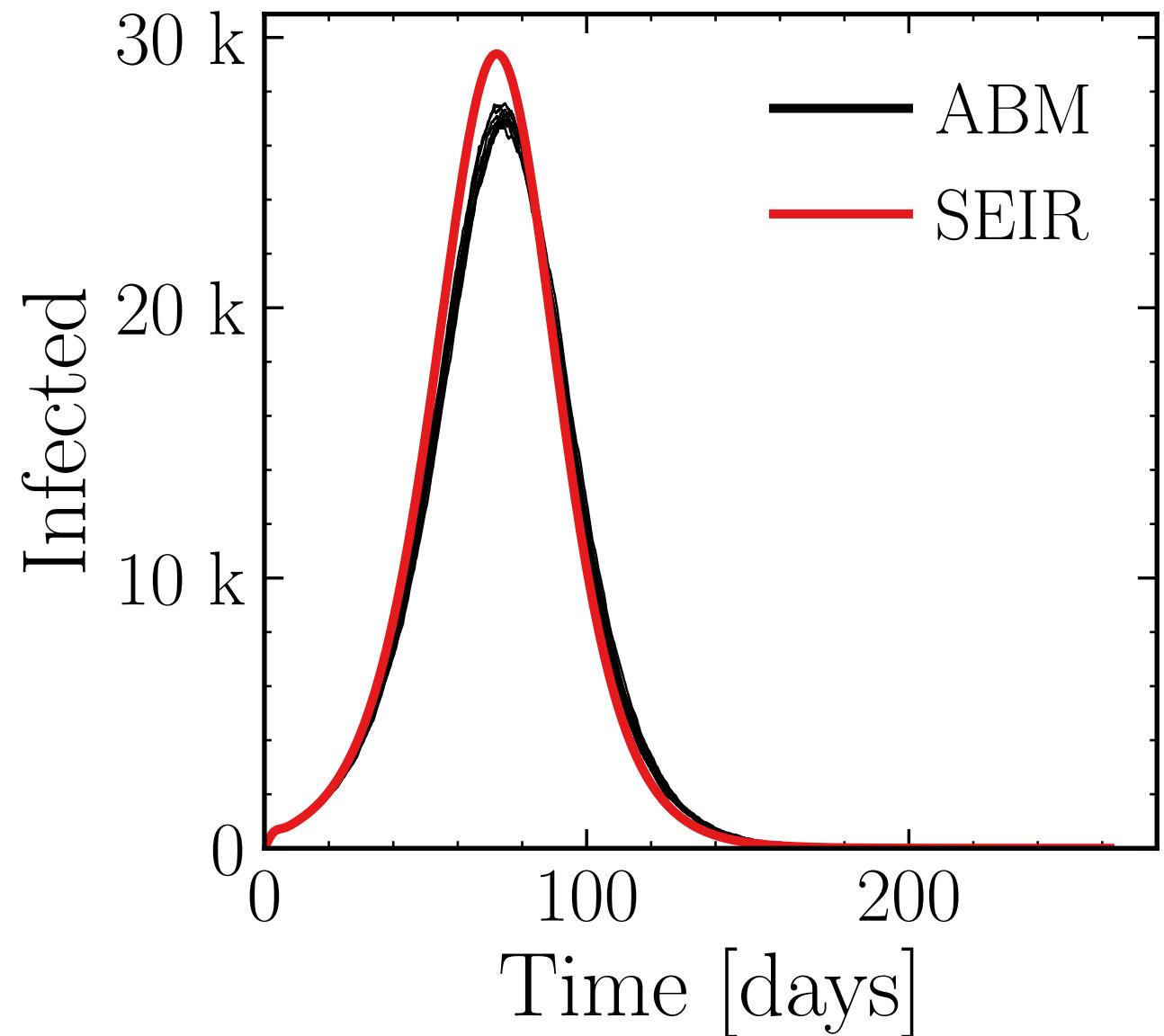
$$R_\infty^{\text{ABM}} = (300.1 \pm 0.12\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 1K$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (27.12 \pm 0.28\%) \cdot 10^3$$

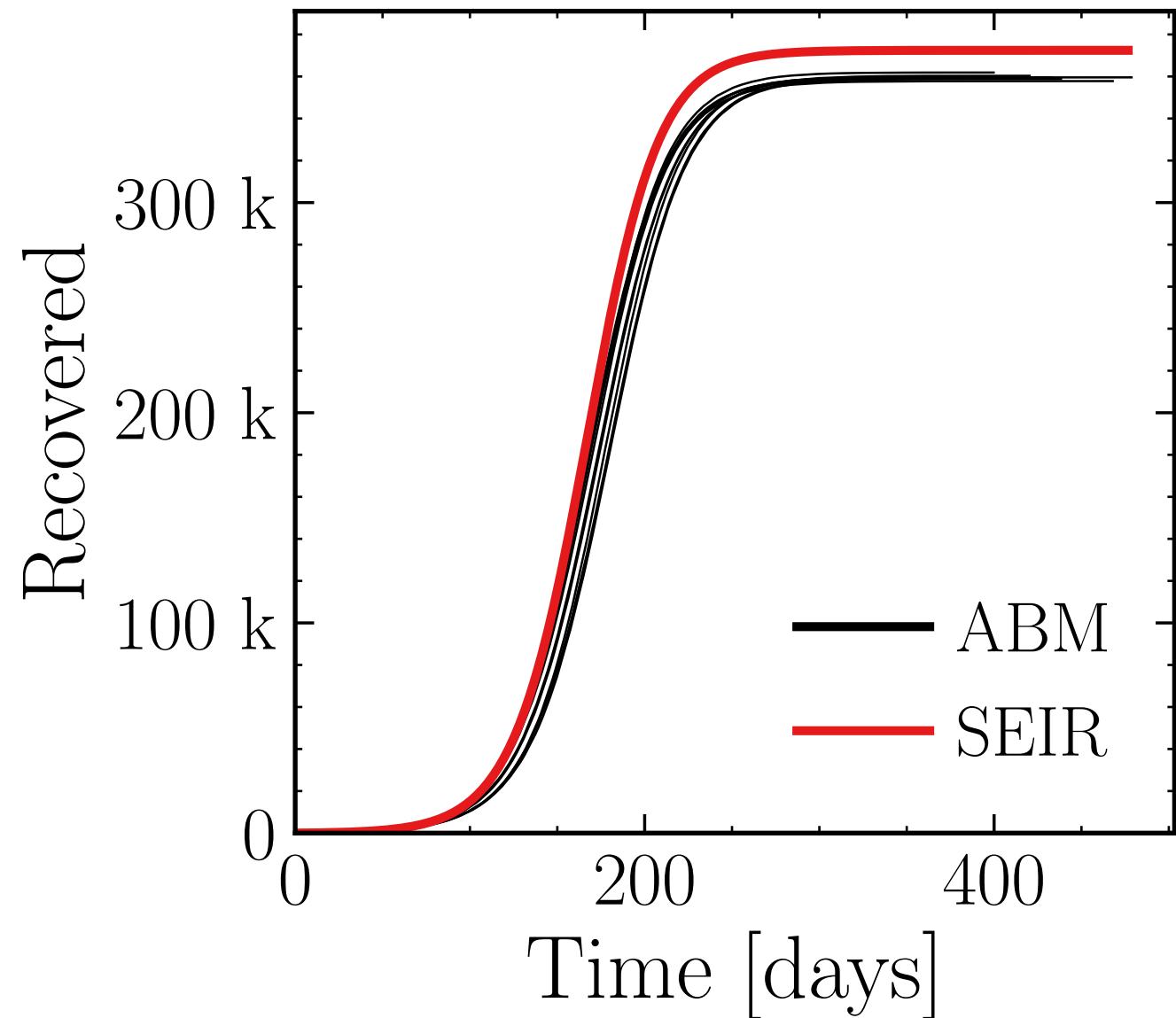
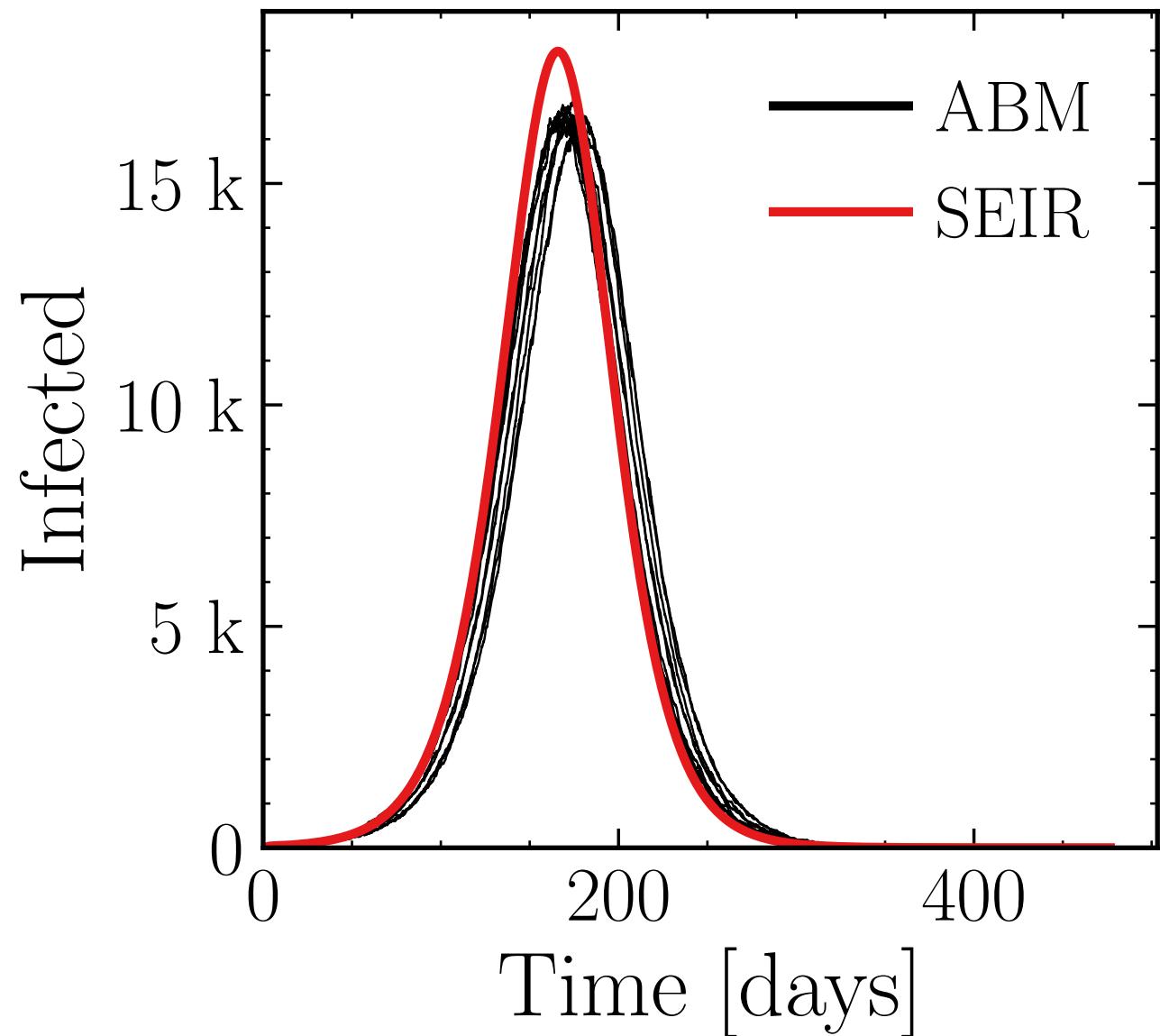
$$R_\infty^{\text{ABM}} = (360.9 \pm 0.078\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 0.5$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

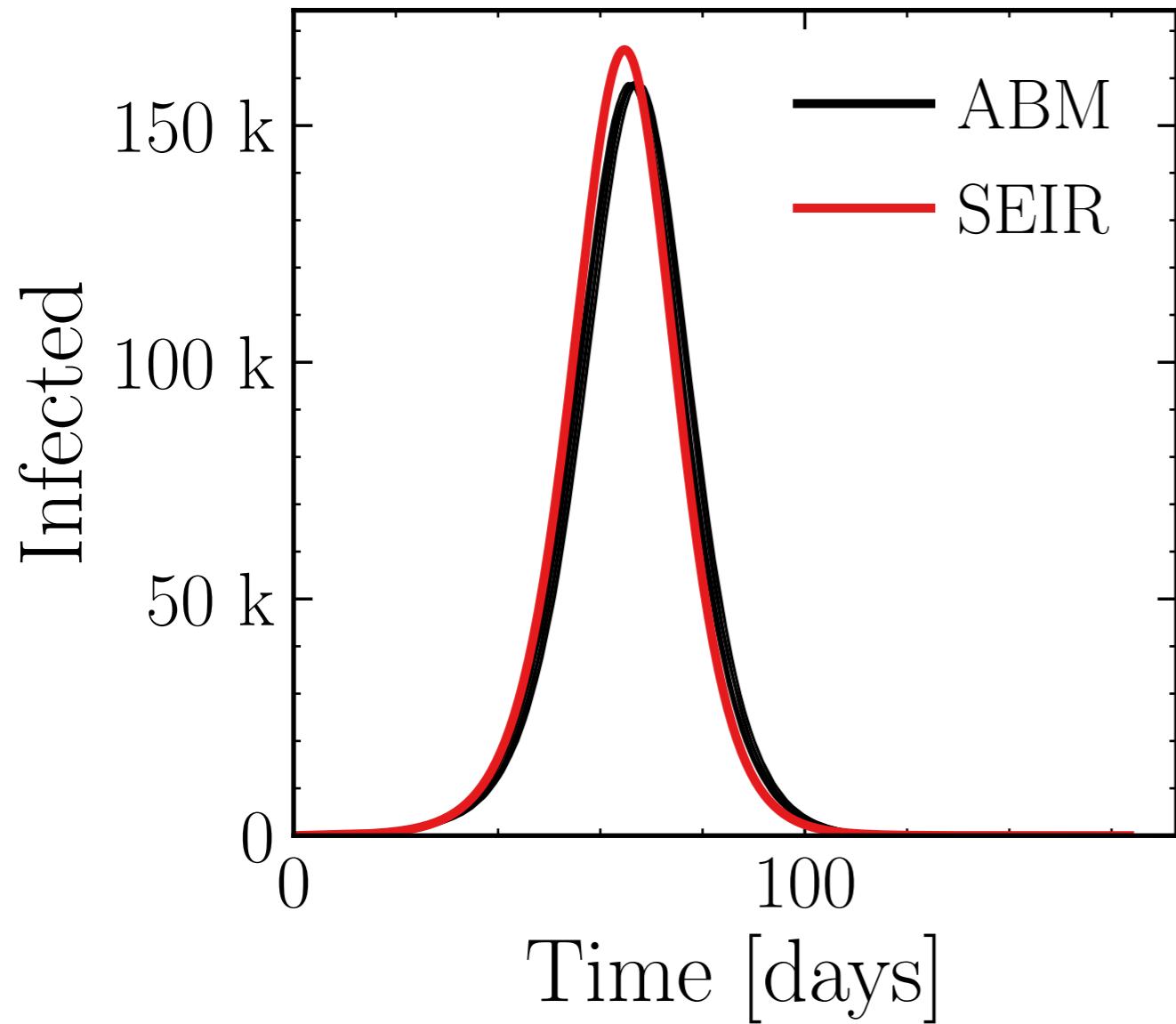
$$I_{\max}^{\text{ABM}} = (16.6 \pm 0.27\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (359.6 \pm 0.089\%) \cdot 10^3$$

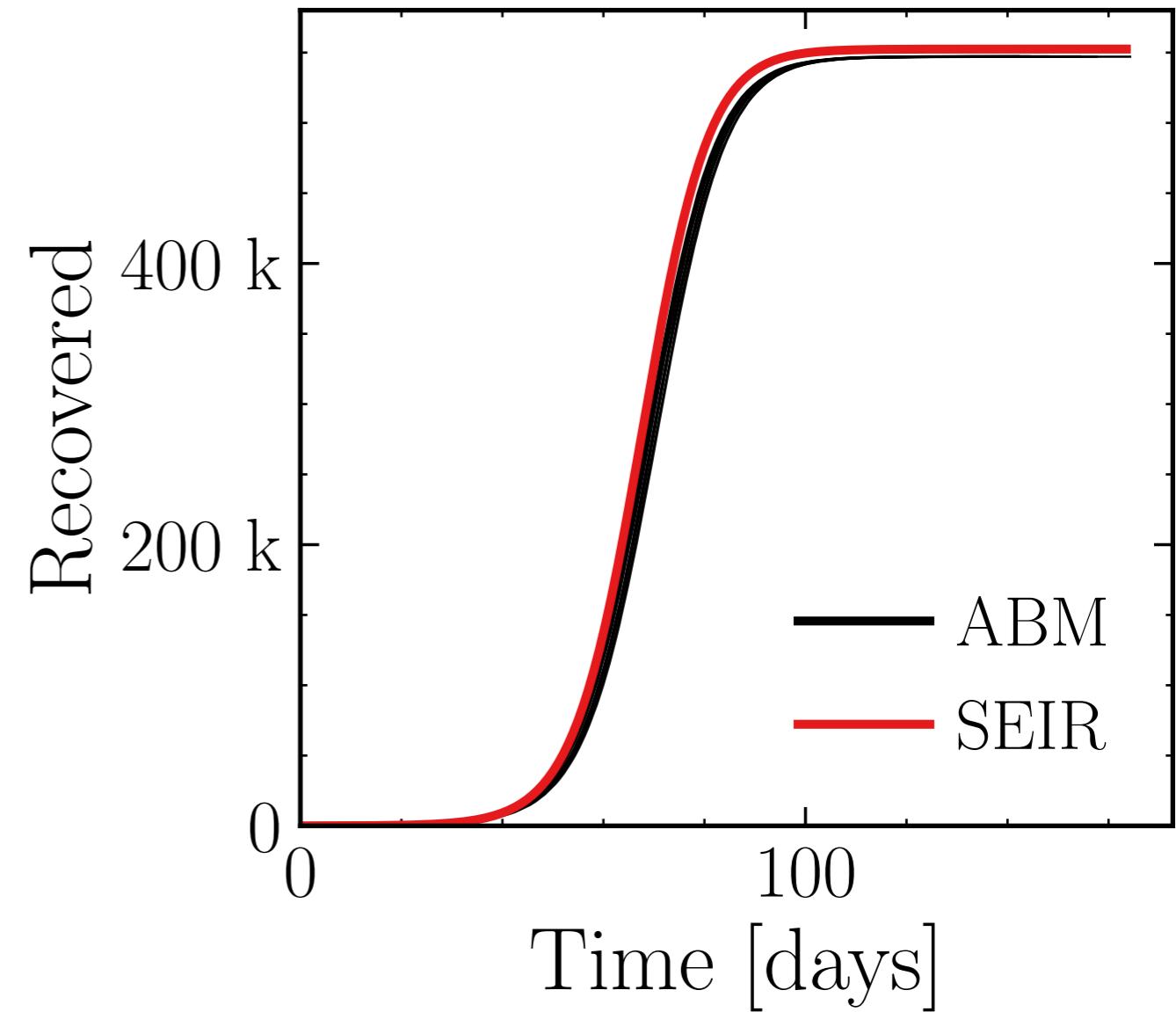


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 0.5$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (158.99 \pm 0.041\%) \cdot 10^3$$



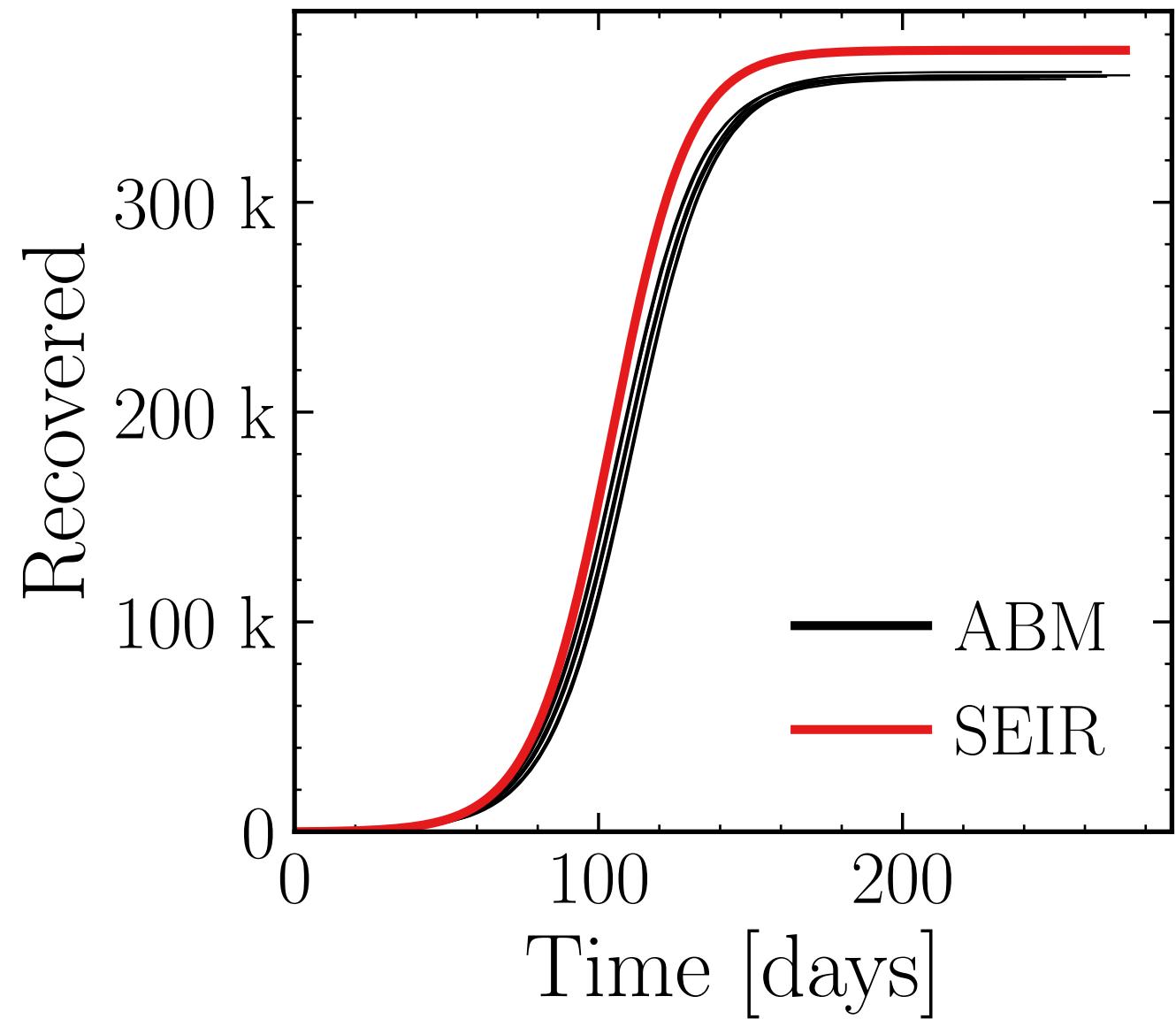
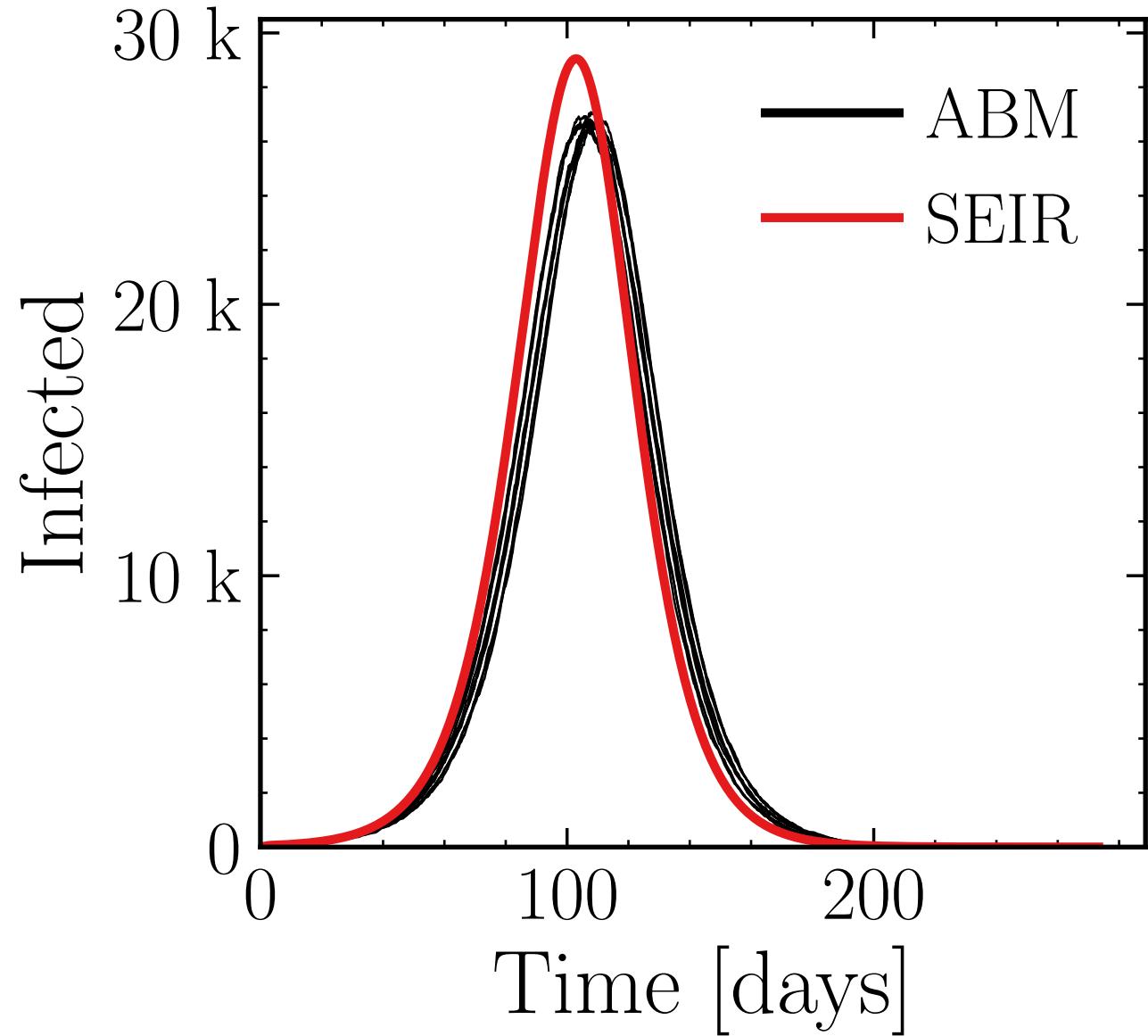
$$R_\infty^{\text{ABM}} = (547.18 \pm 0.0086\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

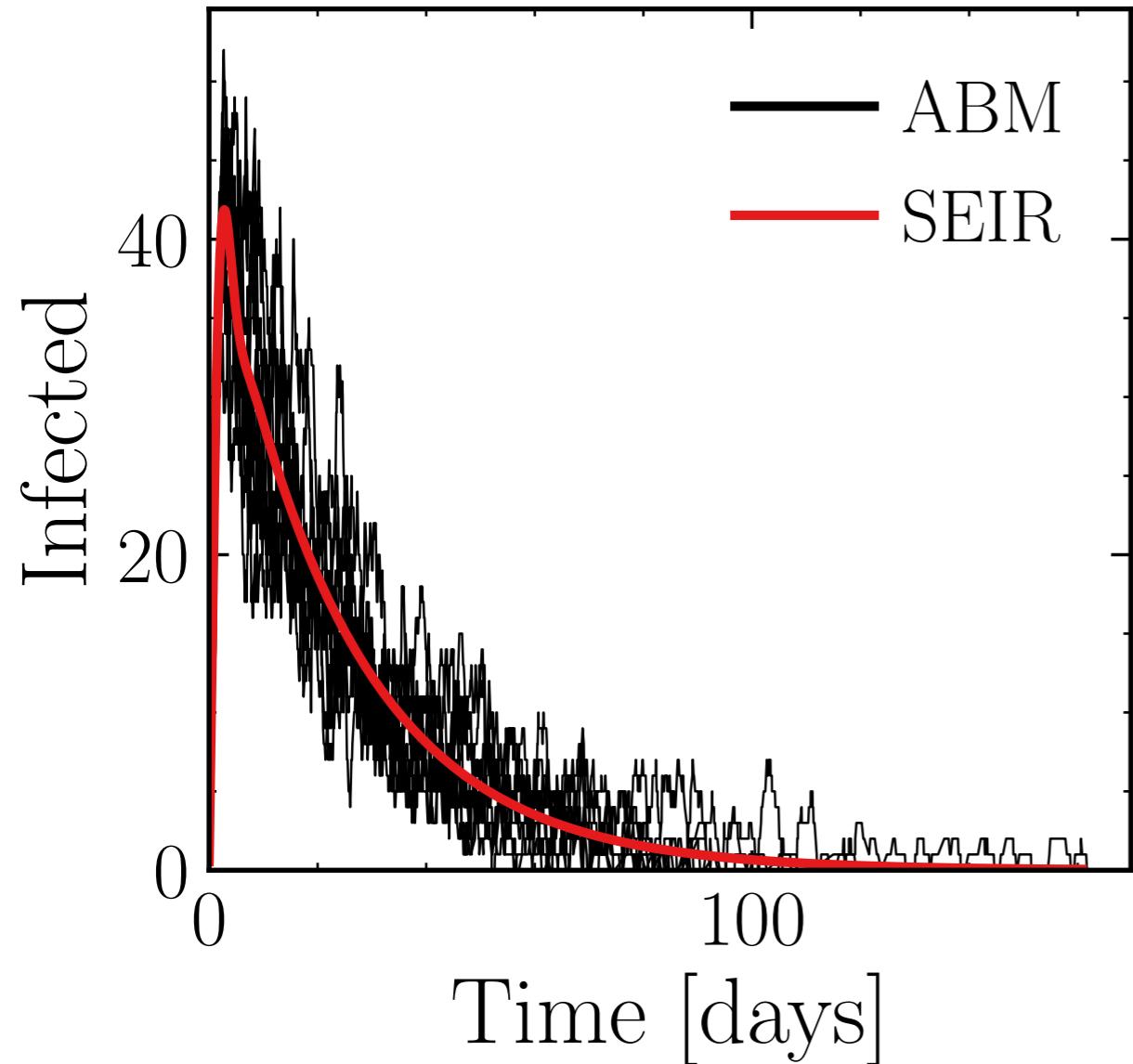
$$I_{\max}^{\text{ABM}} = (26.75 \pm 0.2\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (360.1 \pm 0.076\%) \cdot 10^3$$

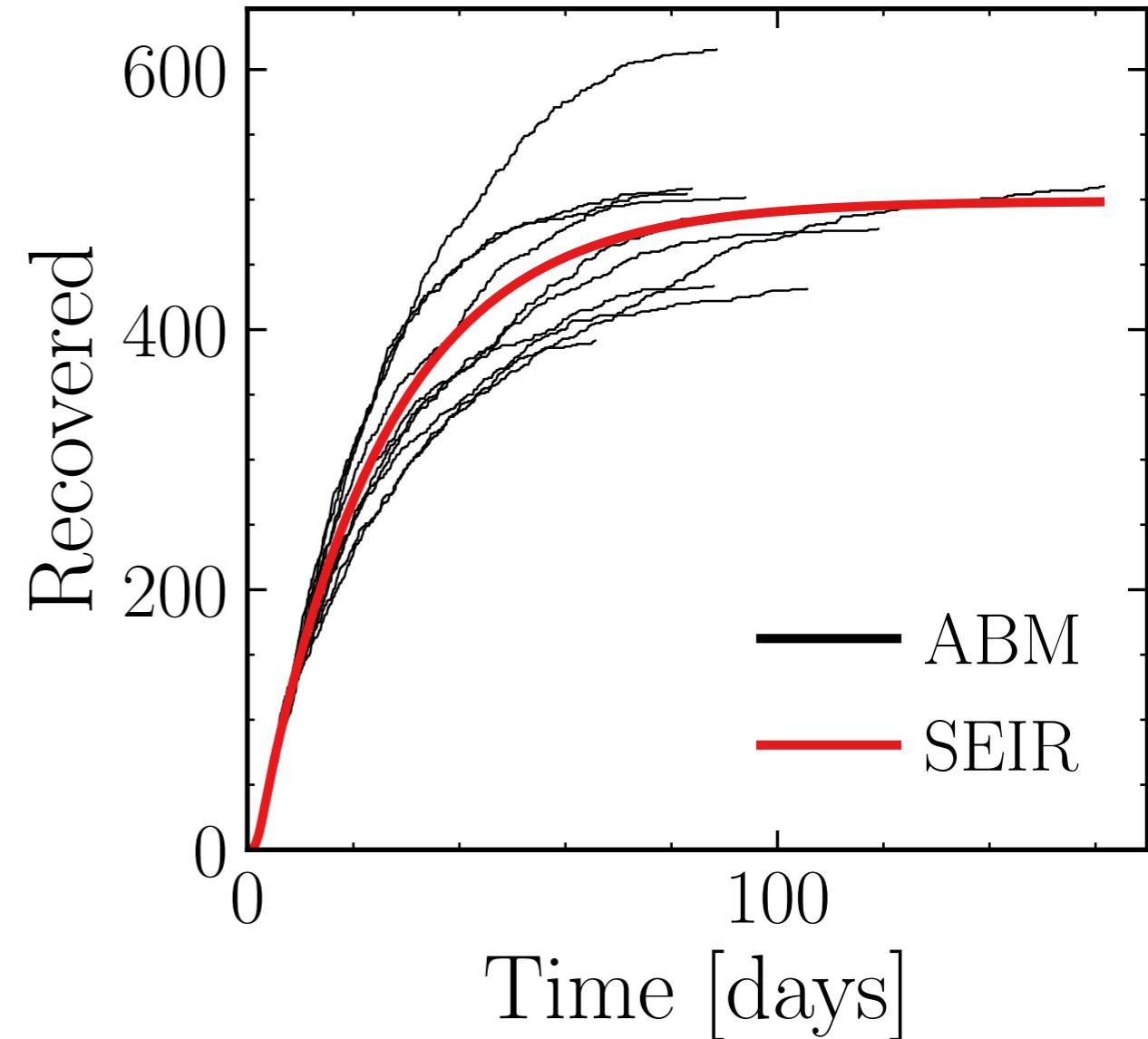


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 2.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (46 \pm 2.5\%) \cdot$$

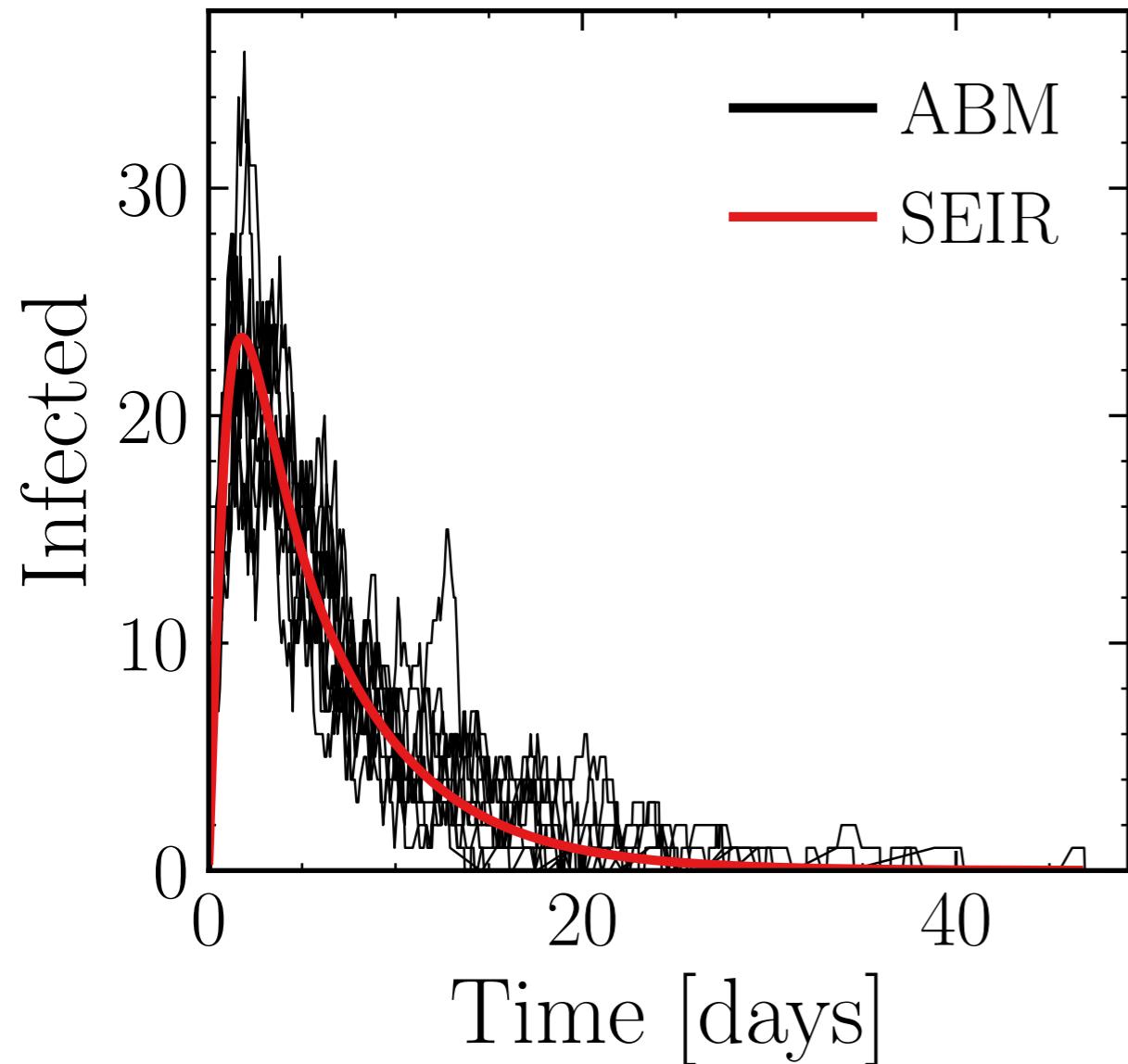


$$R_\infty^{\text{ABM}} = (490 \pm 3.7\%) \cdot$$

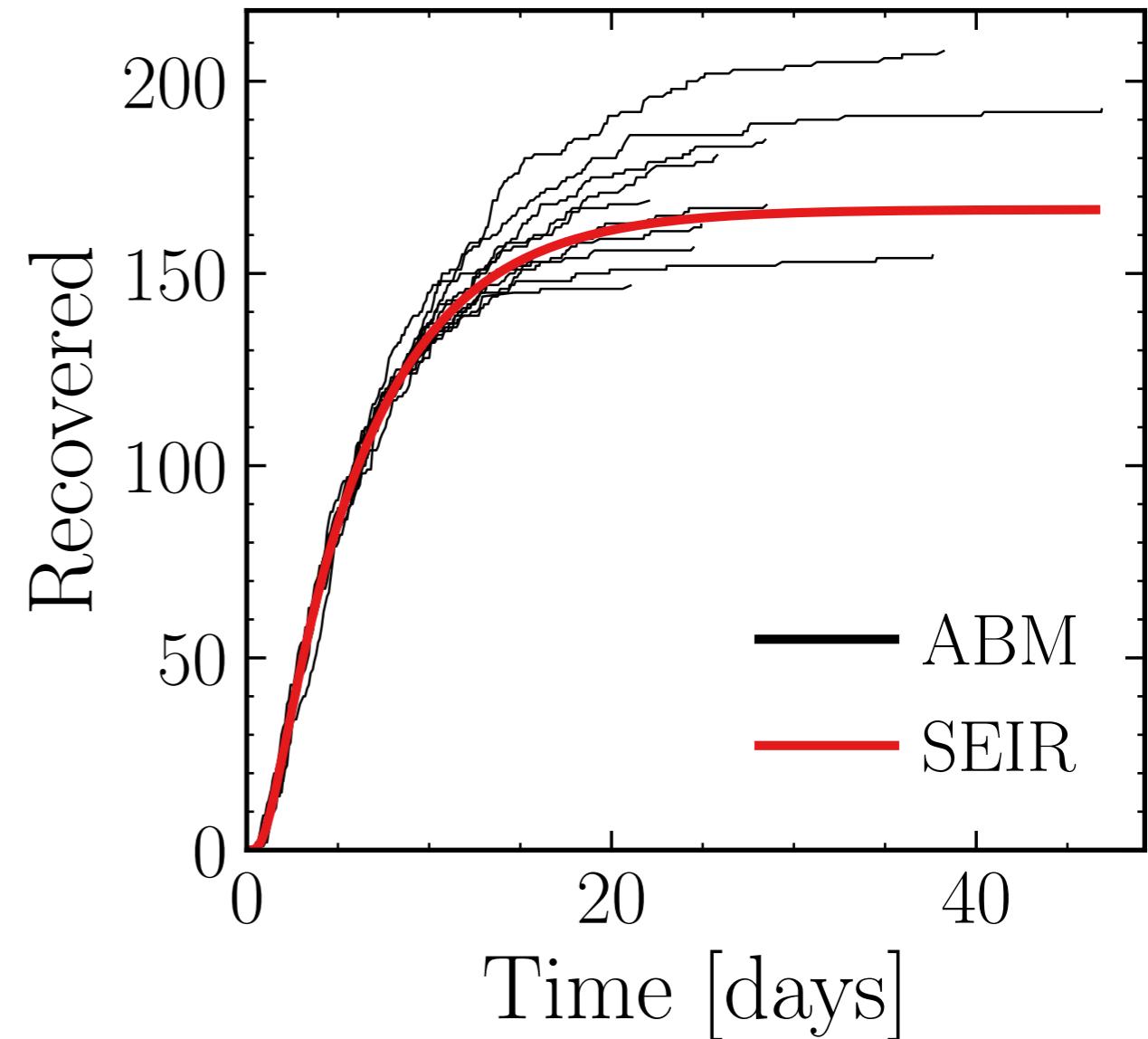


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 4.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (28 \pm 3.8\%) \cdot$$



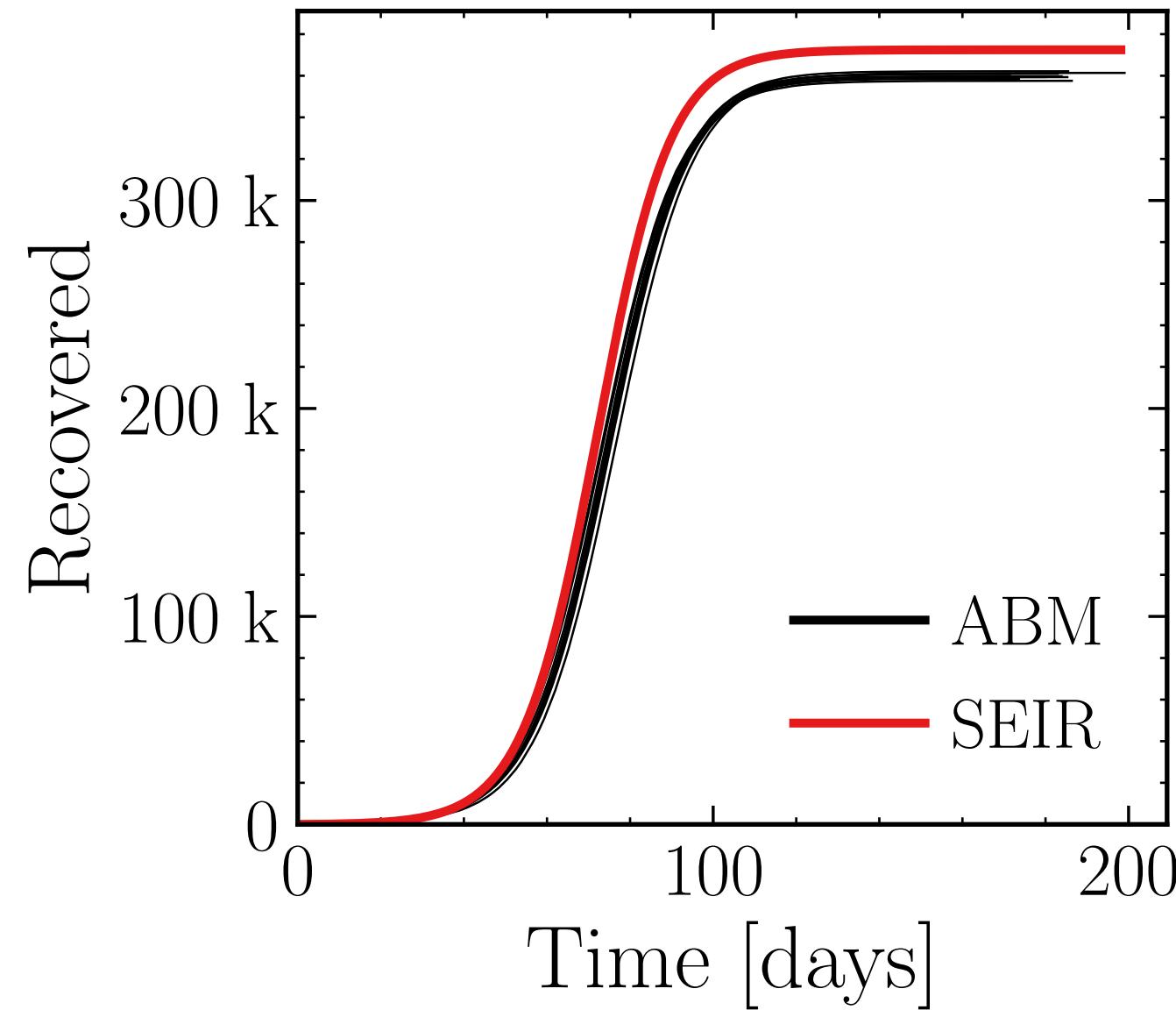
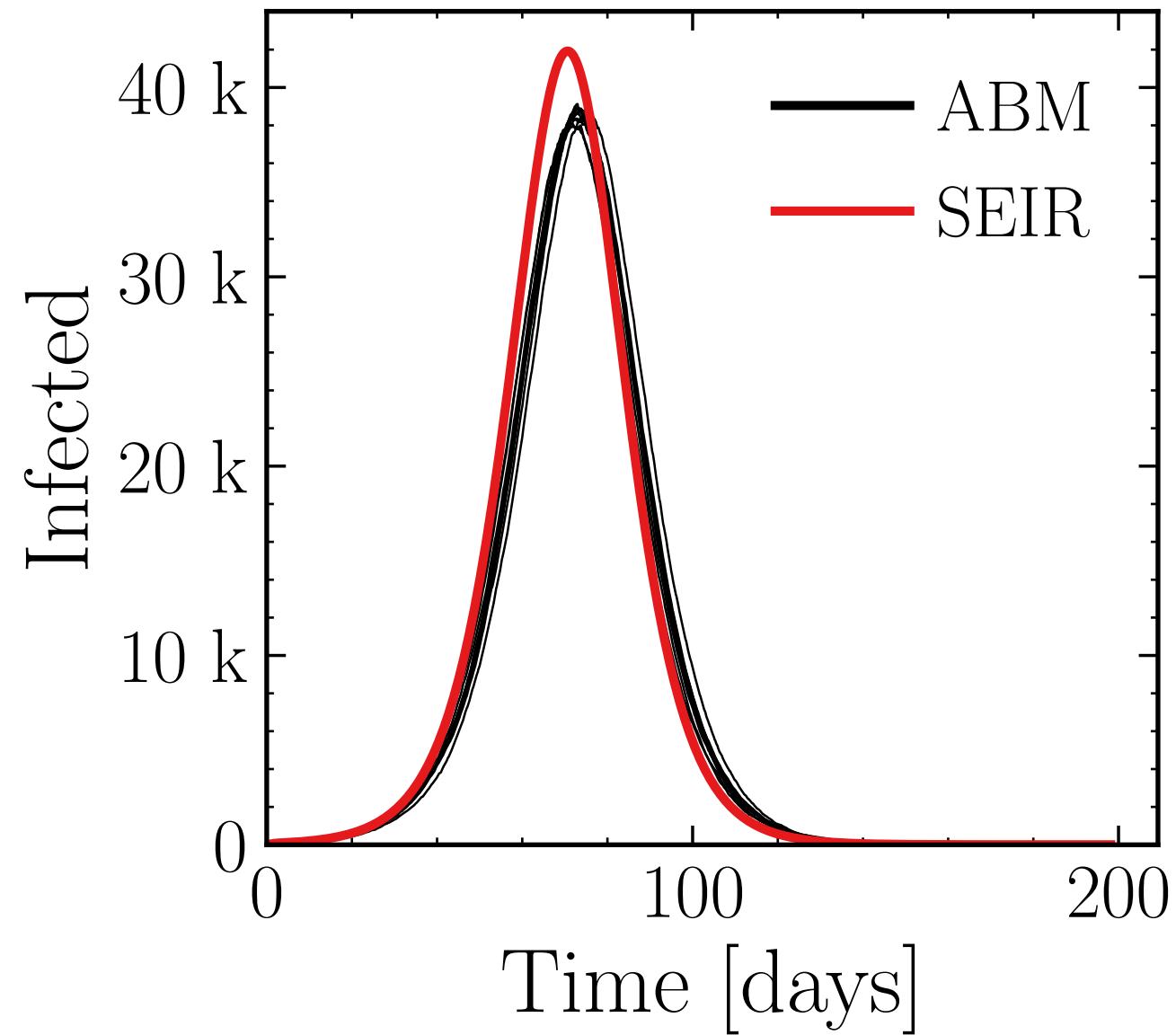
$$R_{\infty}^{\text{ABM}} = (173 \pm 3.3\%) \cdot$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 2.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (38.6 \pm 0.29\%) \cdot 10^3$$

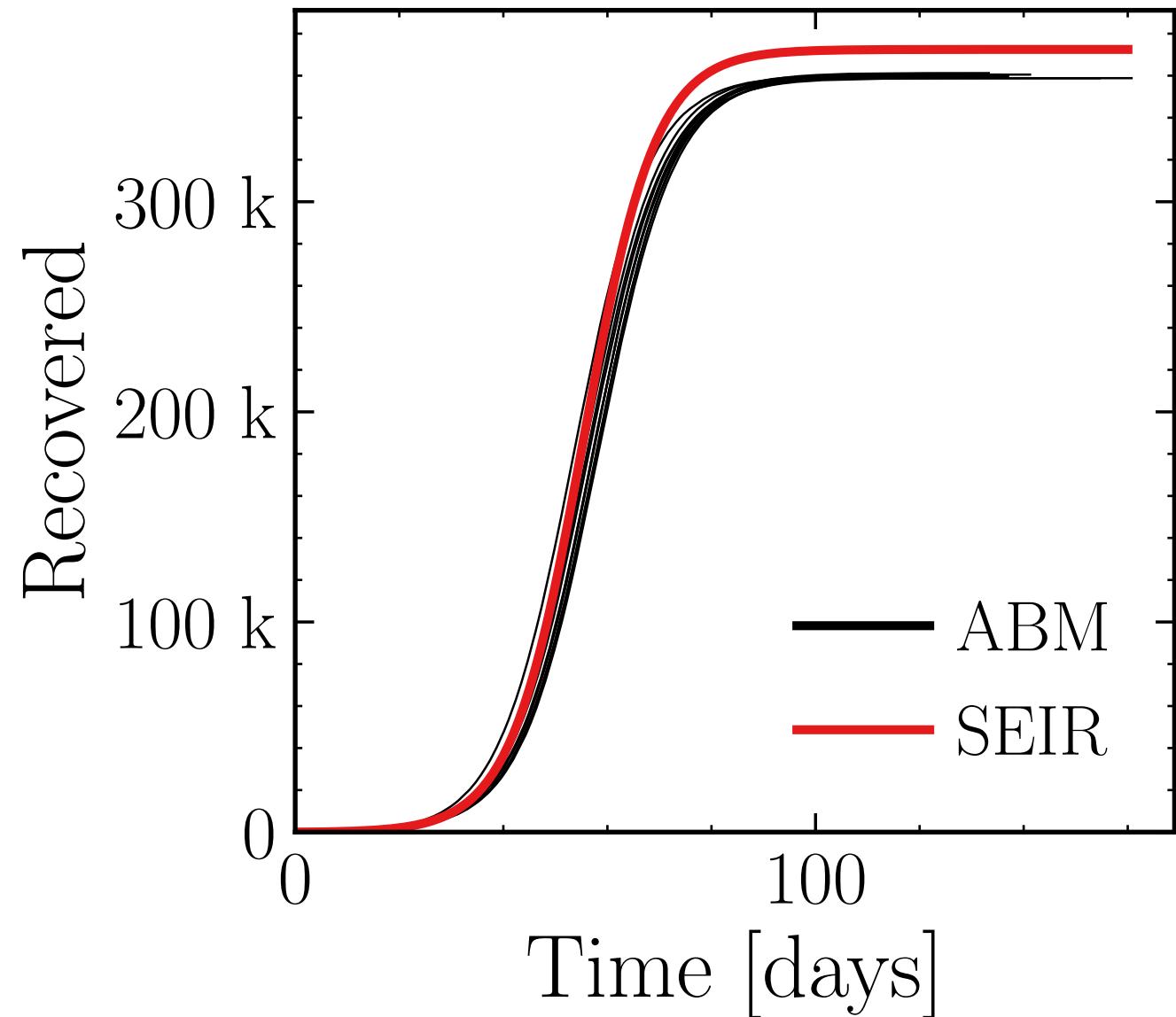
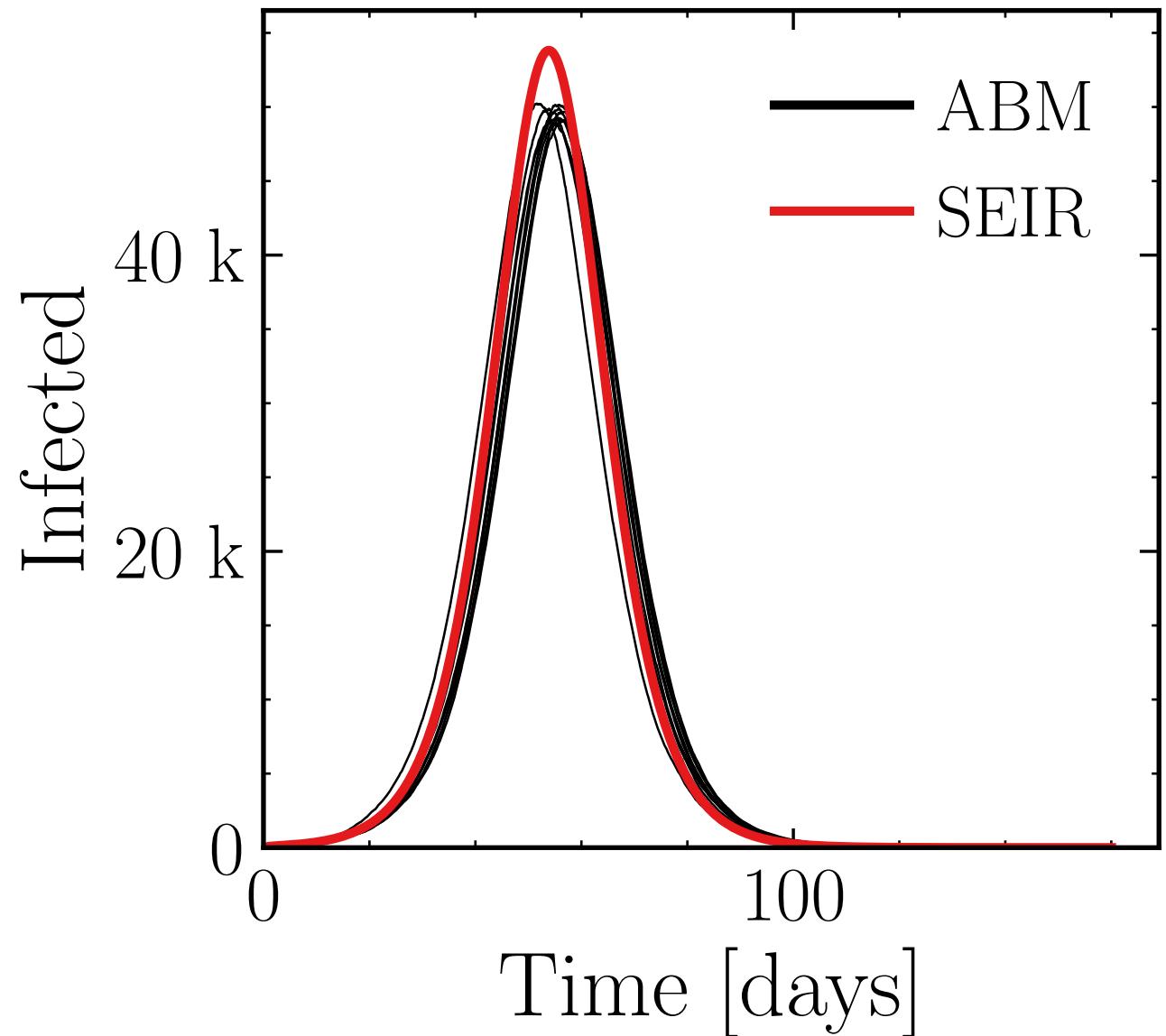
$$R_\infty^{\text{ABM}} = (360 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 4.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (49.6 \pm 0.28\%) \cdot 10^3$$

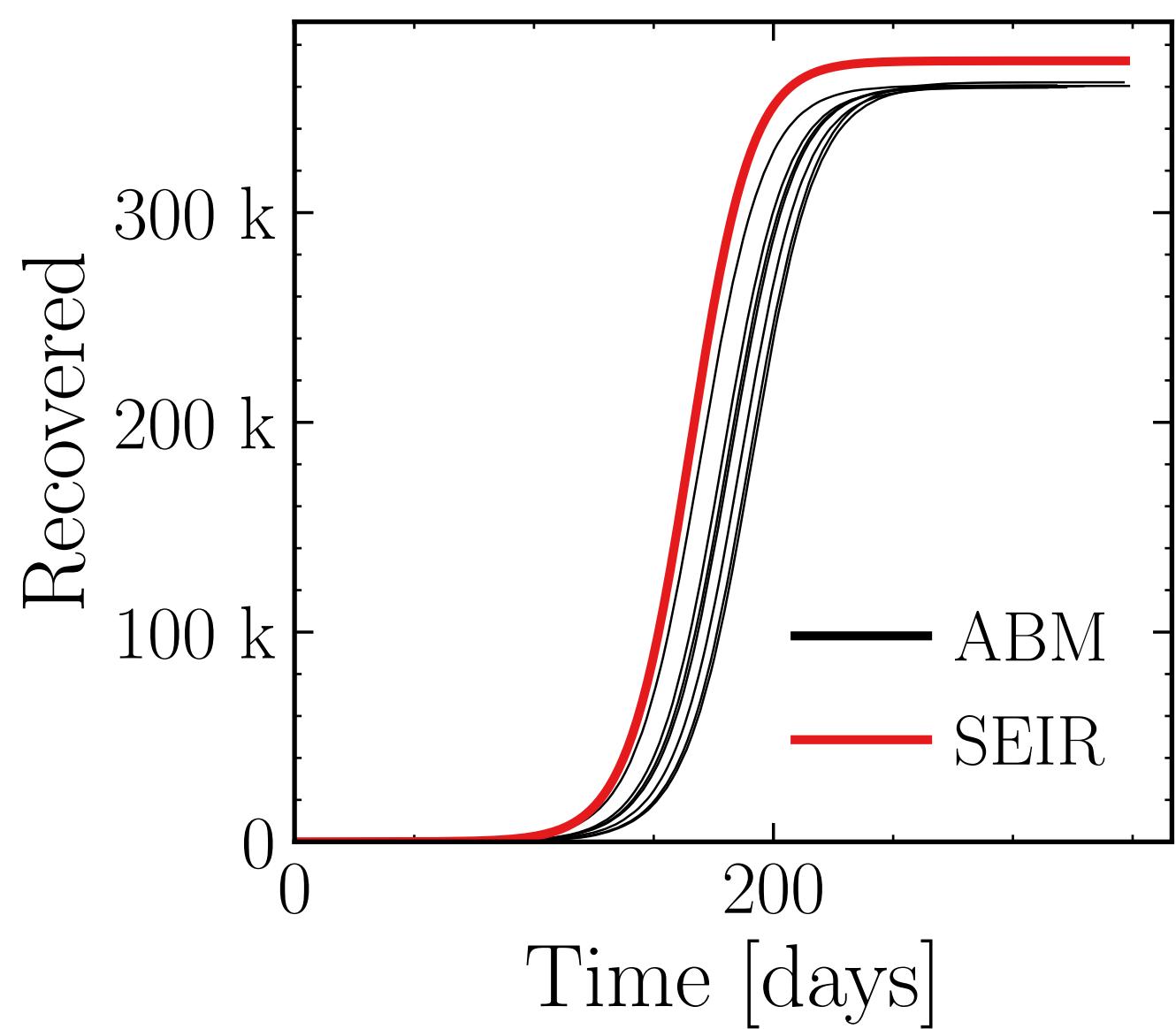
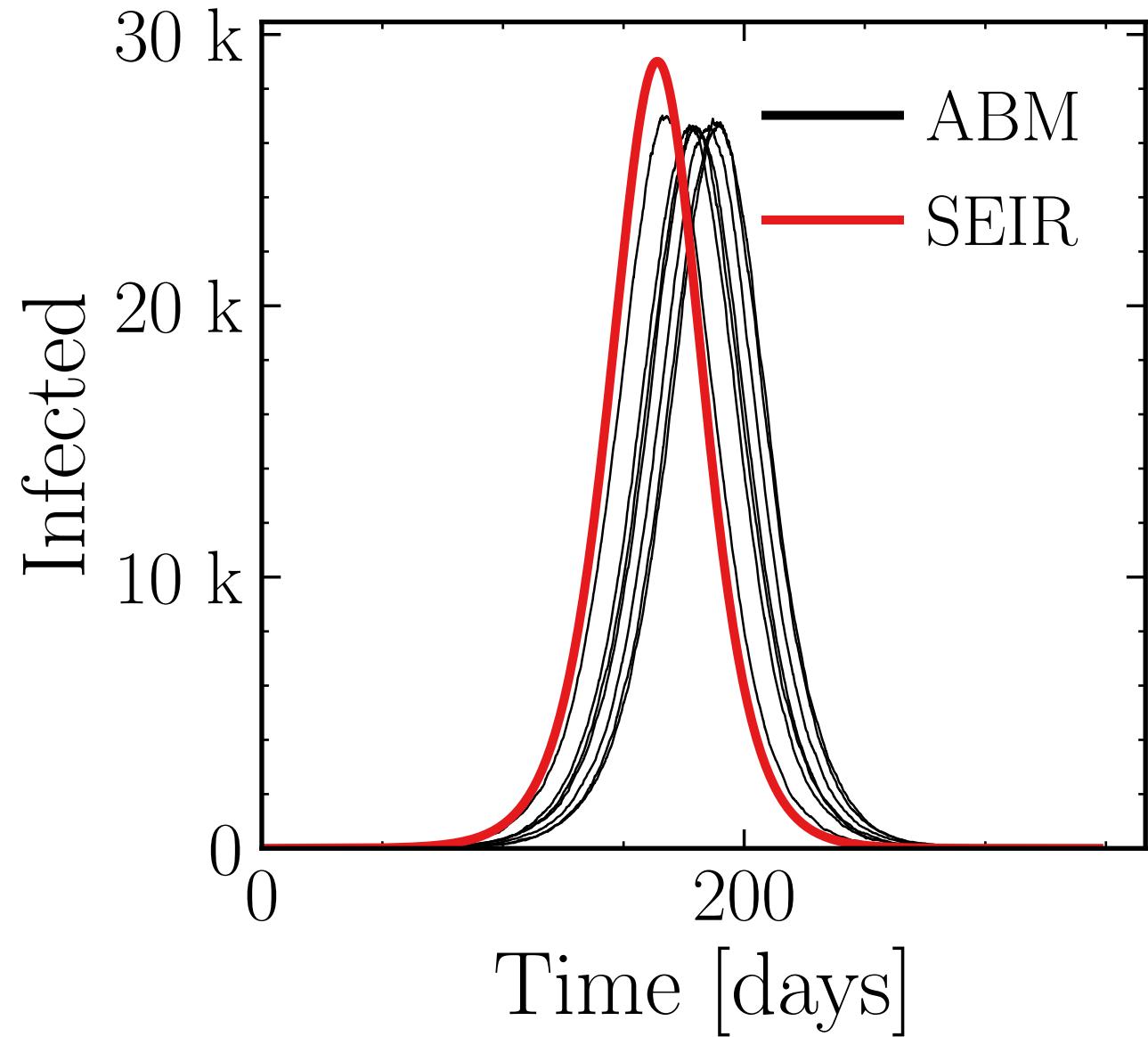
$$R_\infty^{\text{ABM}} = (359.8 \pm 0.068\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 1$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (19 \pm 2.1e+01\%) \cdot 10^3$$

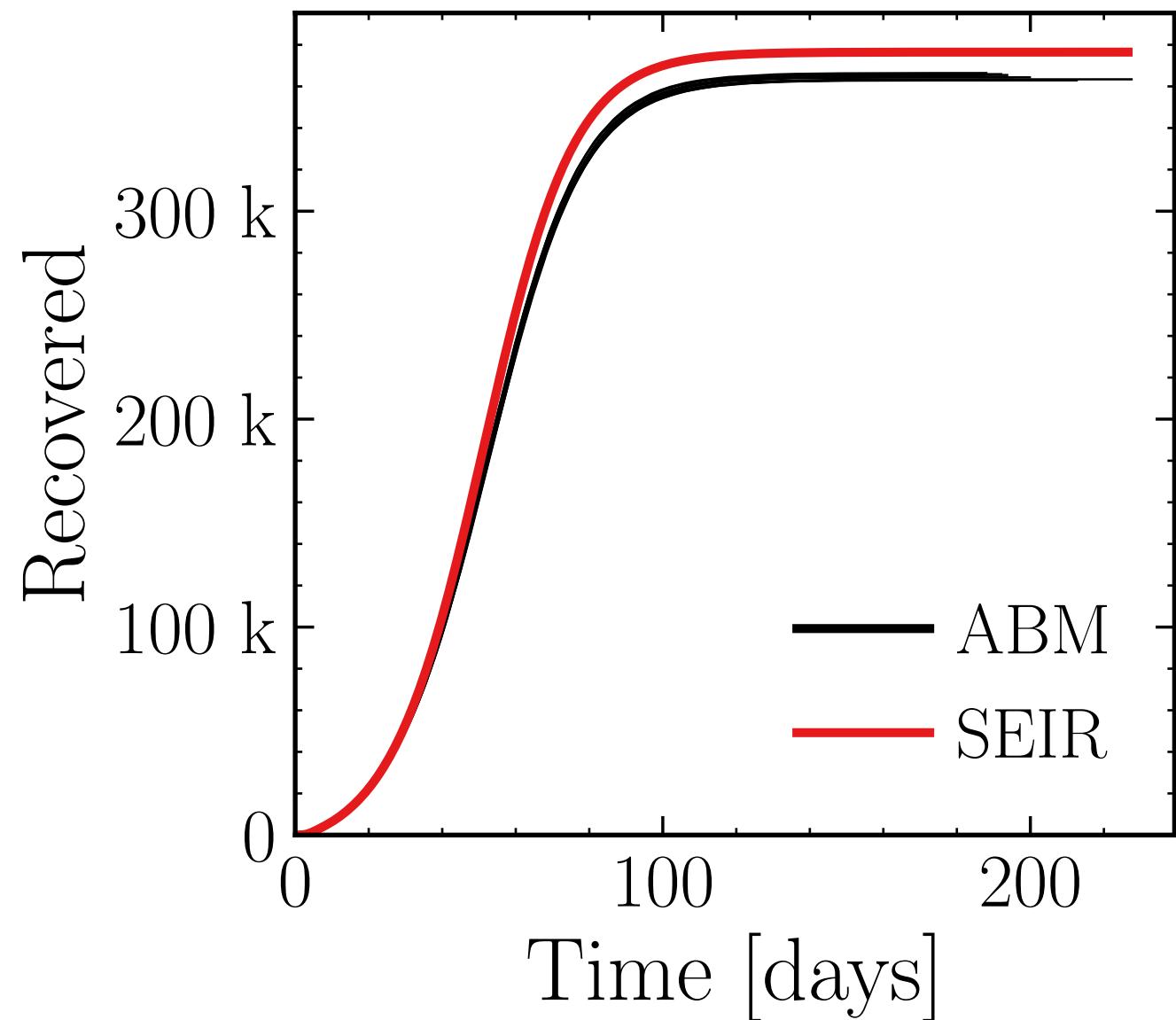
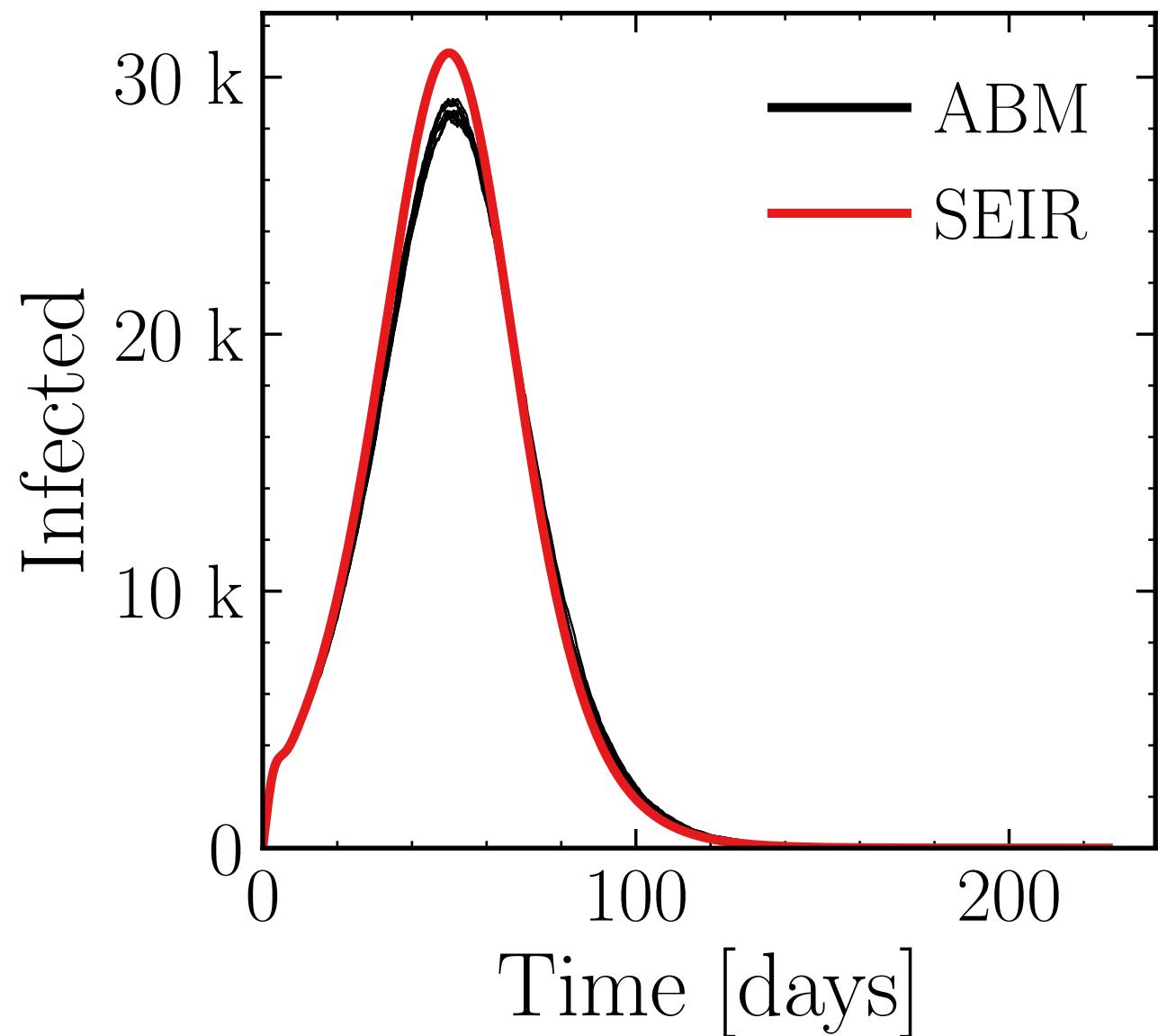
$$R_\infty^{\text{ABM}} = (250 \pm 2.1e+01\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 5K$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (28.73 \pm 0.26\%) \cdot 10^3$$

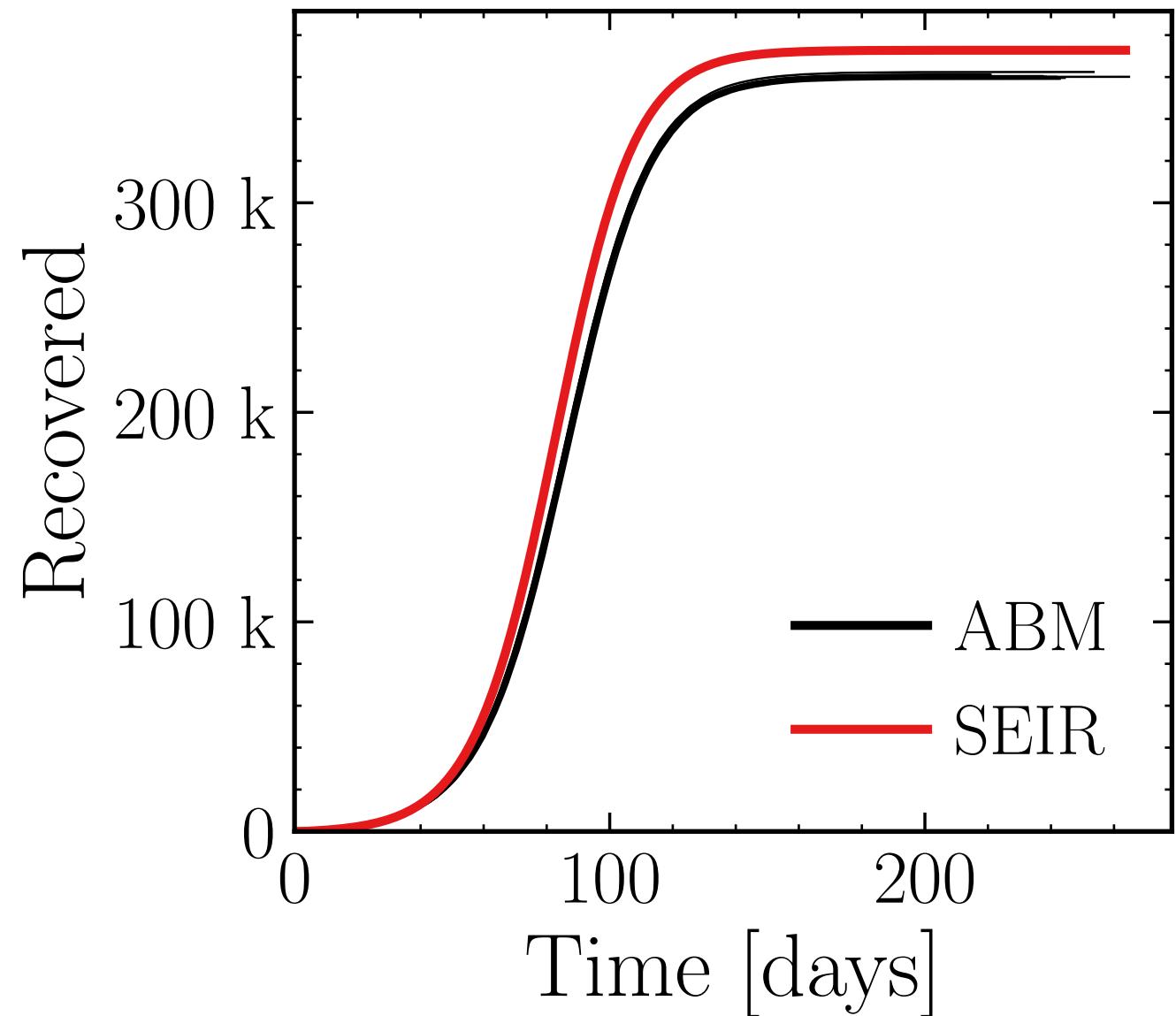
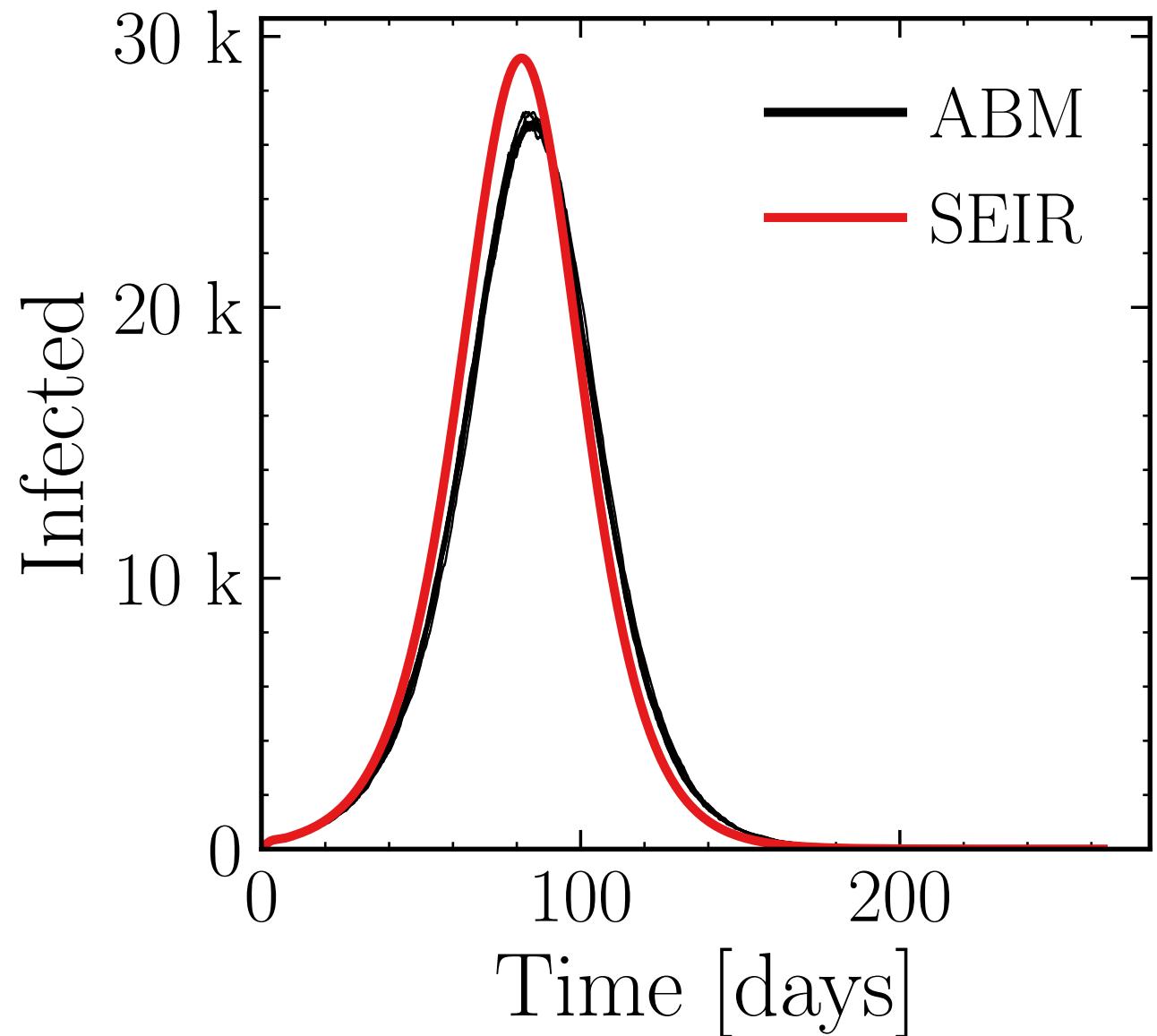
$$R_\infty^{\text{ABM}} = (364.5 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 500$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.88 \pm 0.21\%) \cdot 10^3$$

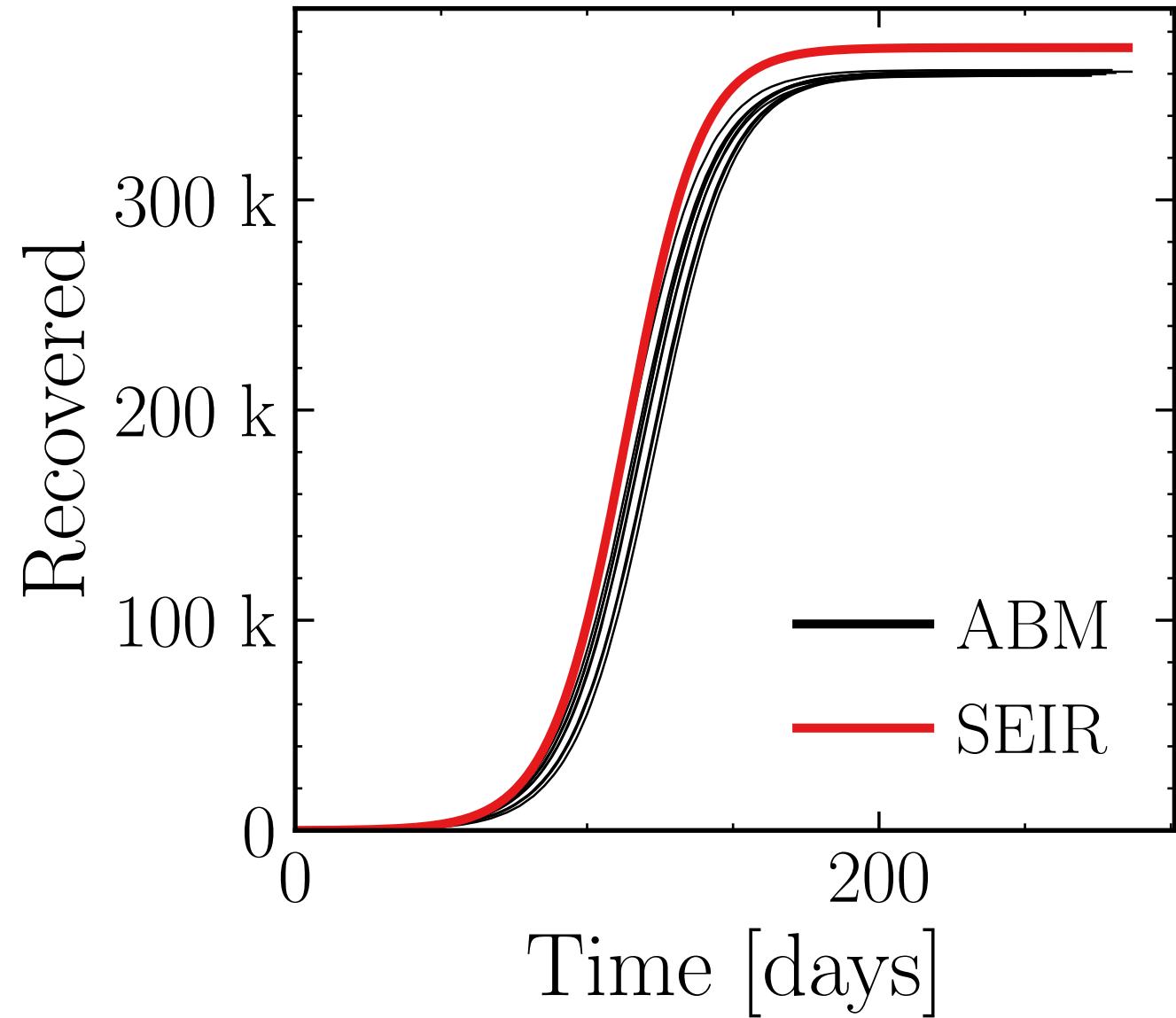
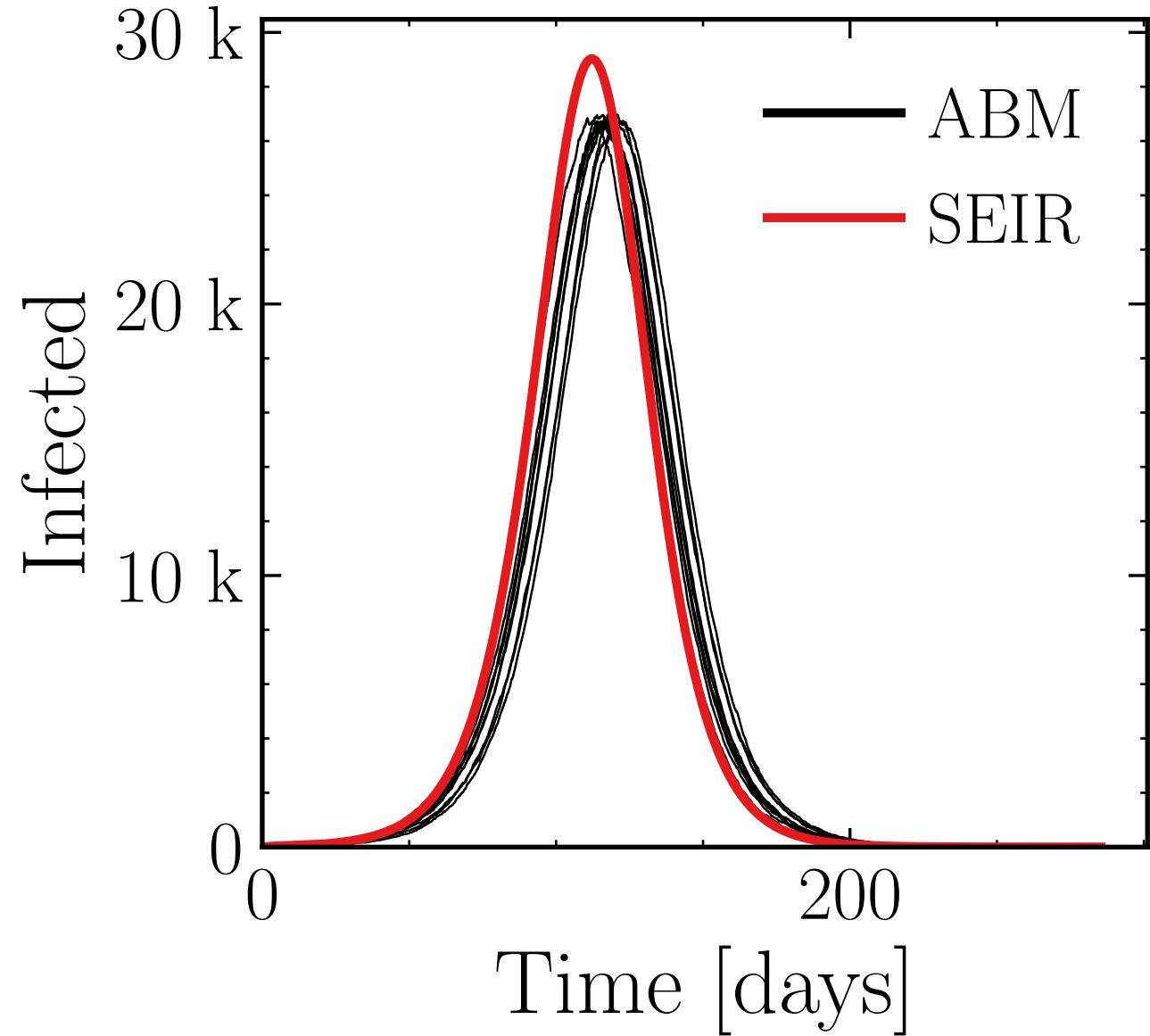
$$R_\infty^{\text{ABM}} = (360.4 \pm 0.081\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 50$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.75 \pm 0.16\%) \cdot 10^3$$

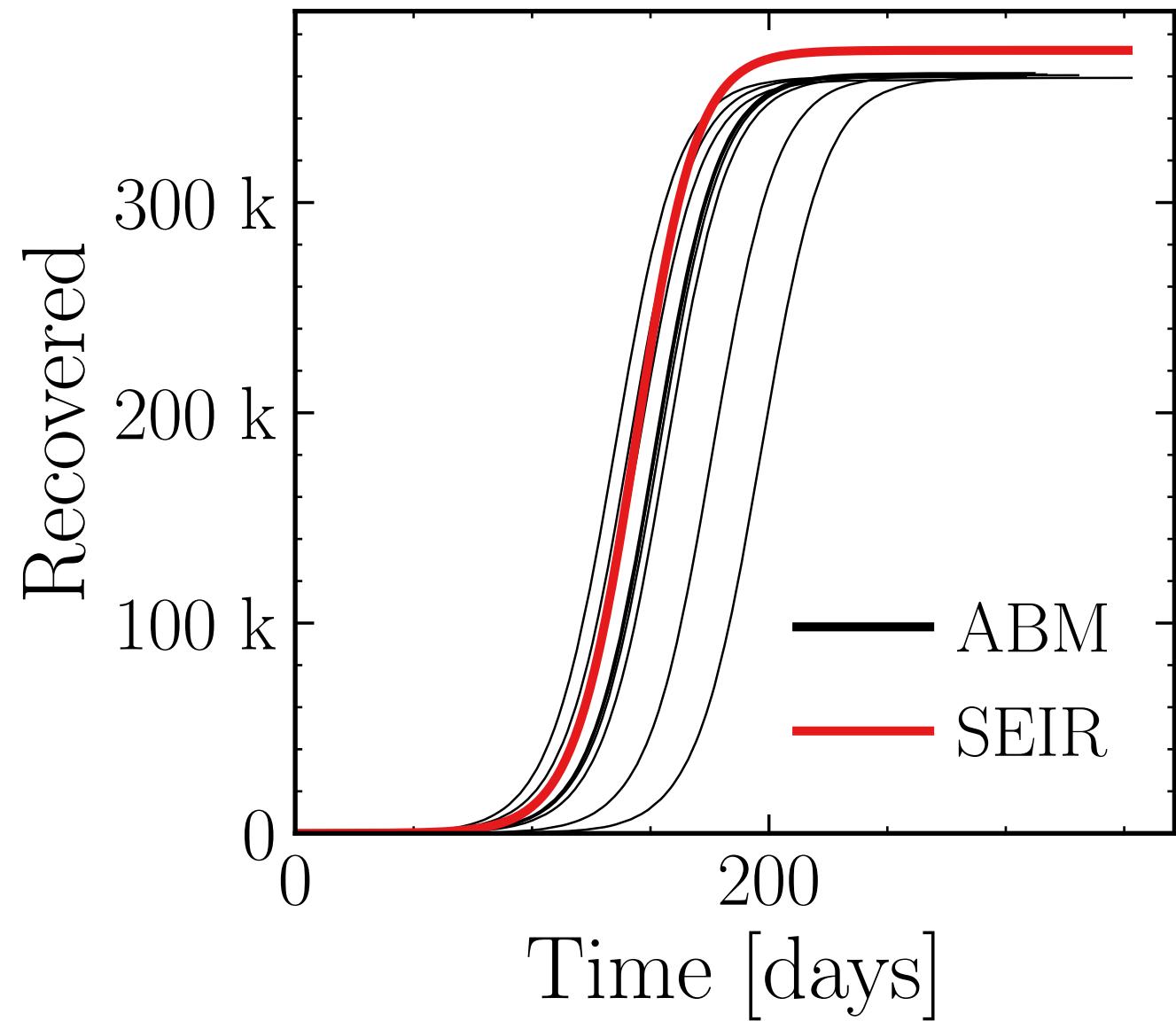
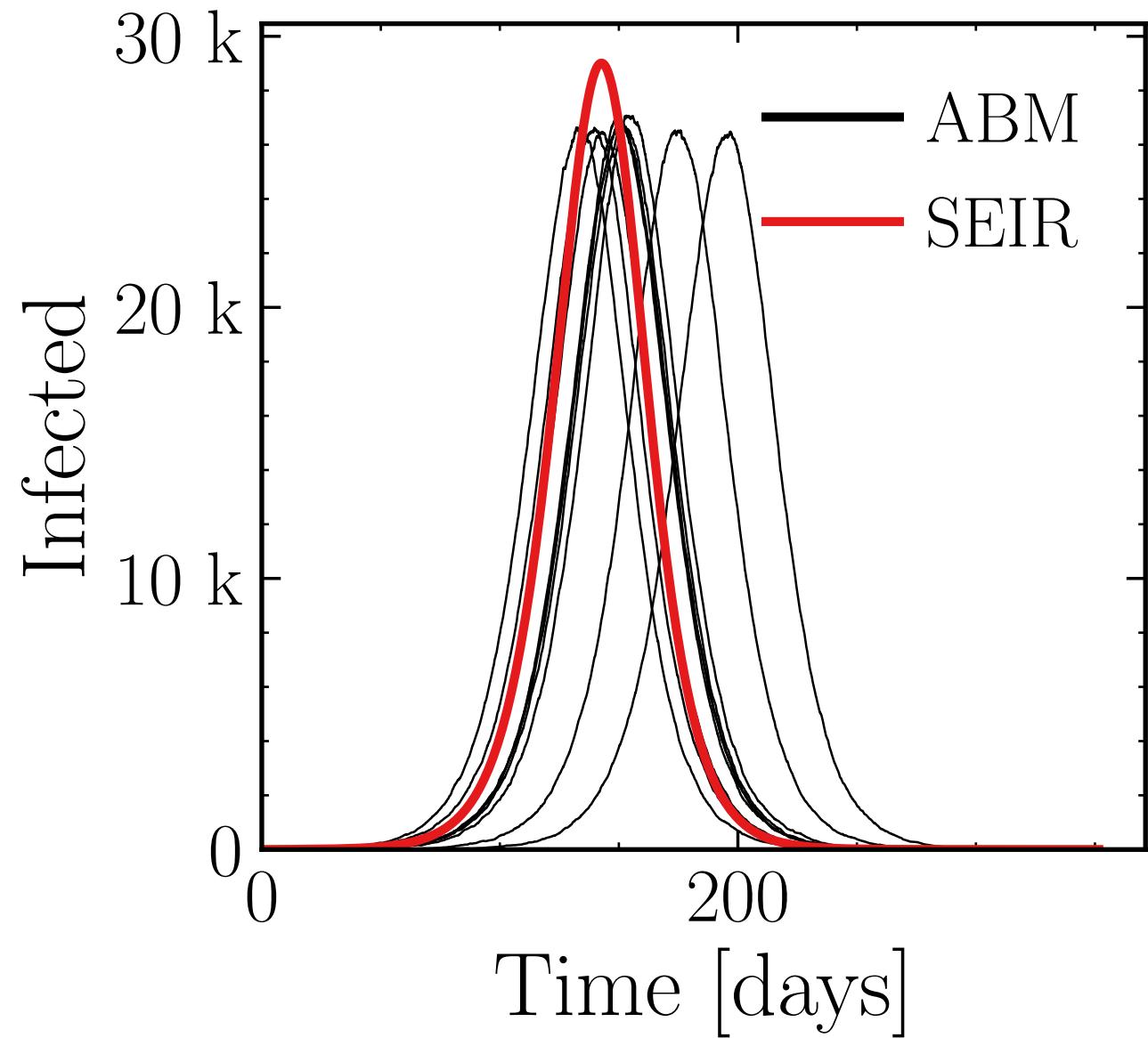
$$R_\infty^{\text{ABM}} = (360.3 \pm 0.072\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 5$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.72 \pm 0.22\%) \cdot 10^3$$

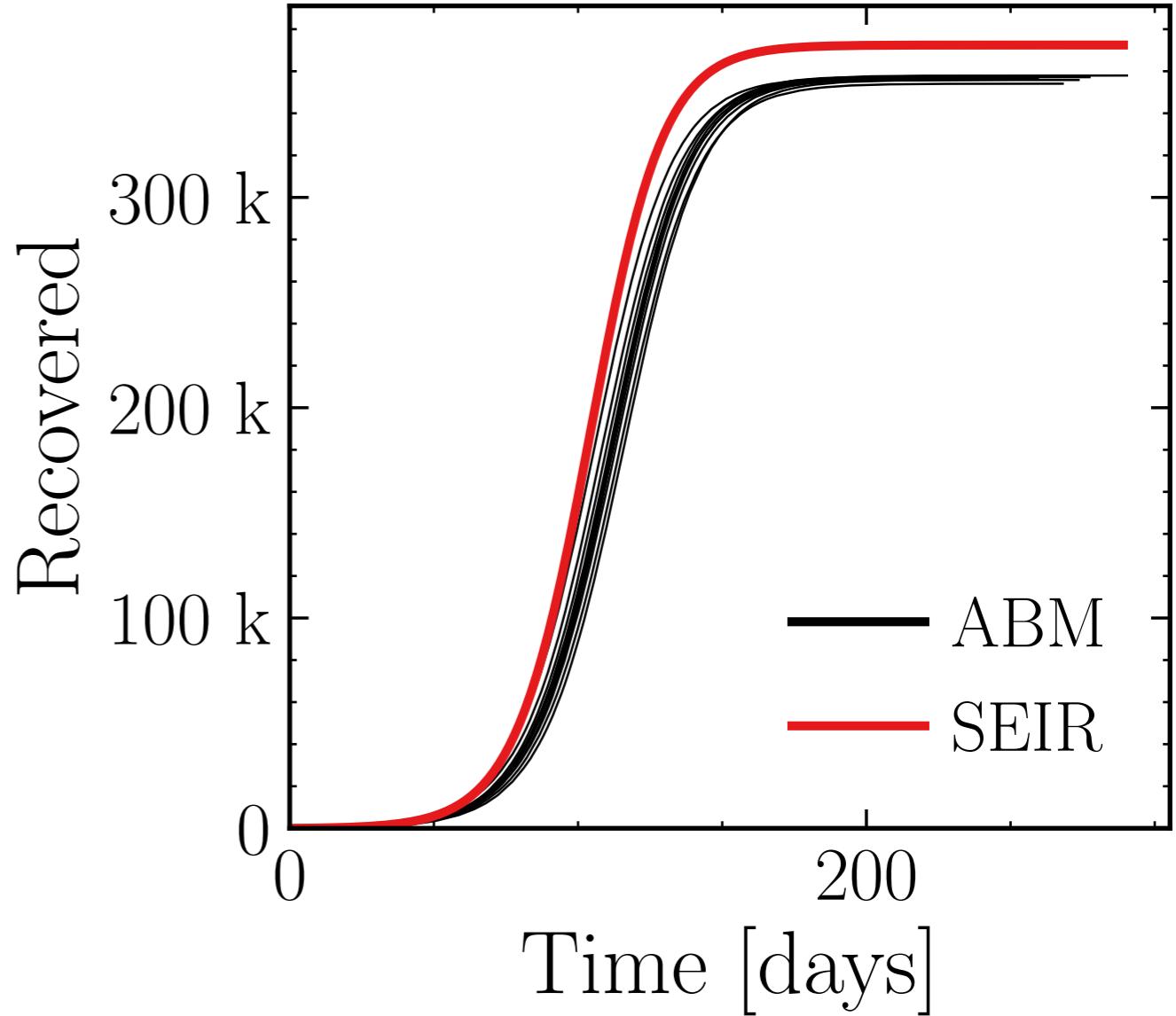
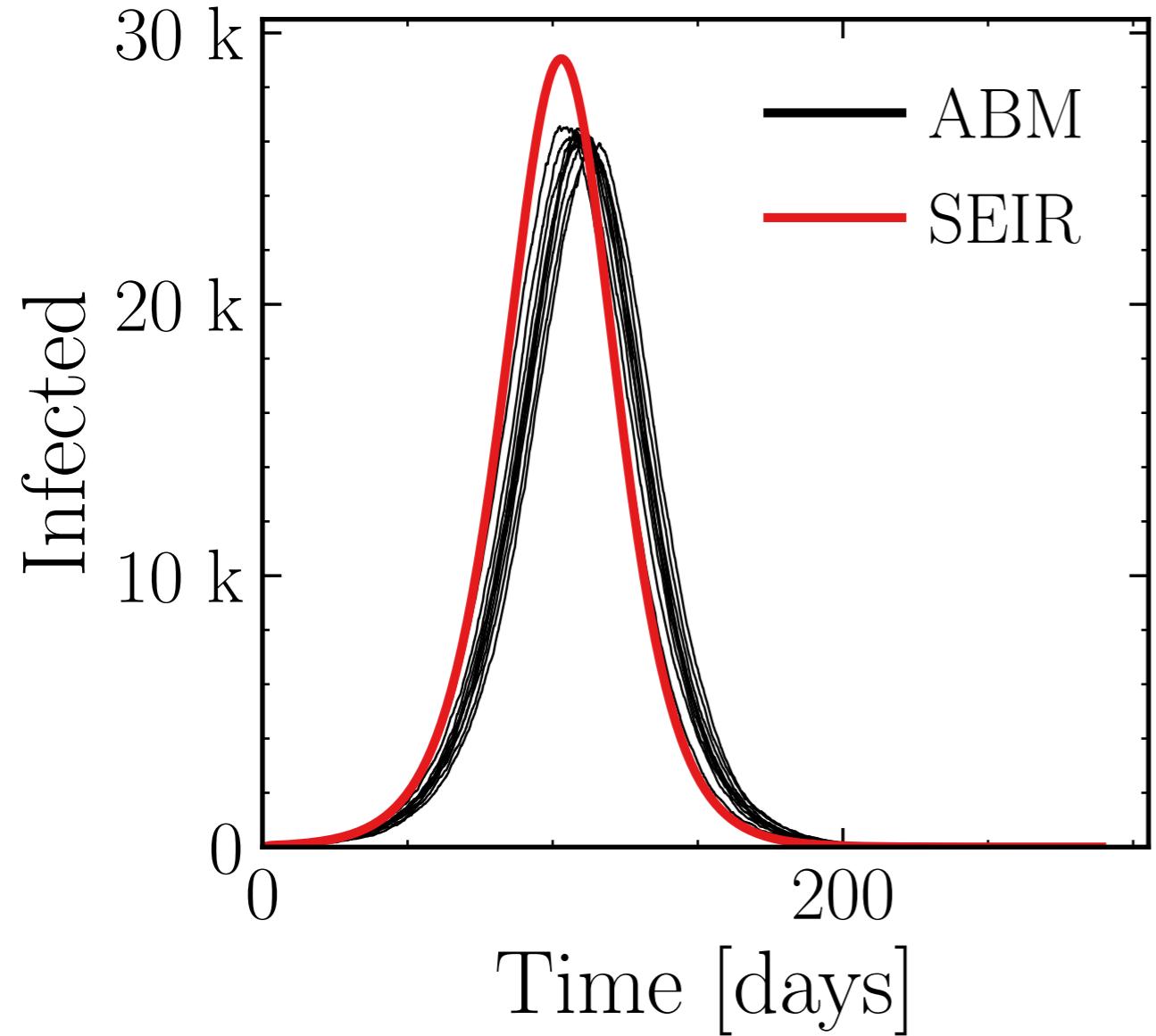
$$R_\infty^{\text{ABM}} = (360.1 \pm 0.076\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.21 \pm 0.32\%) \cdot 10^3$$

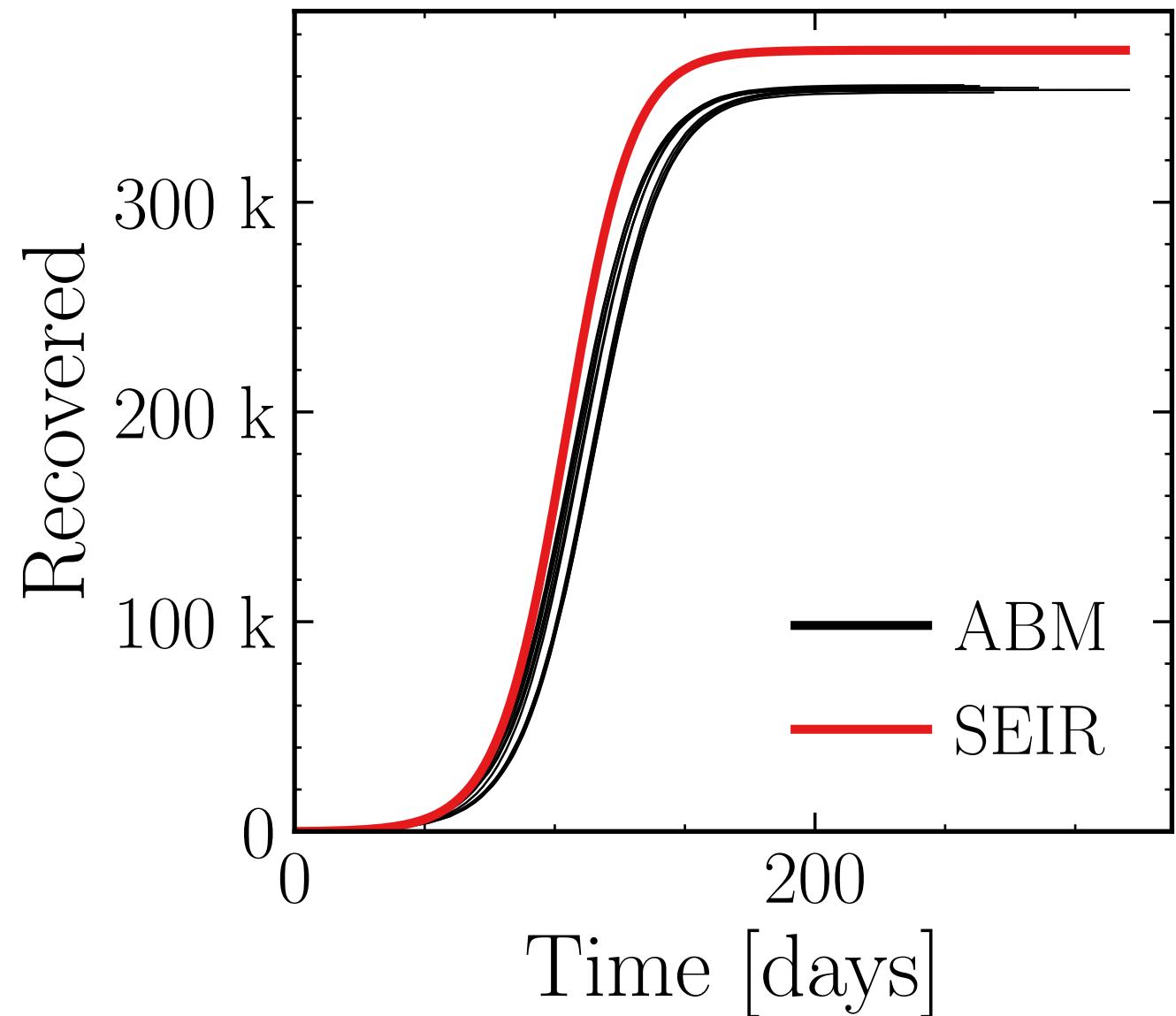
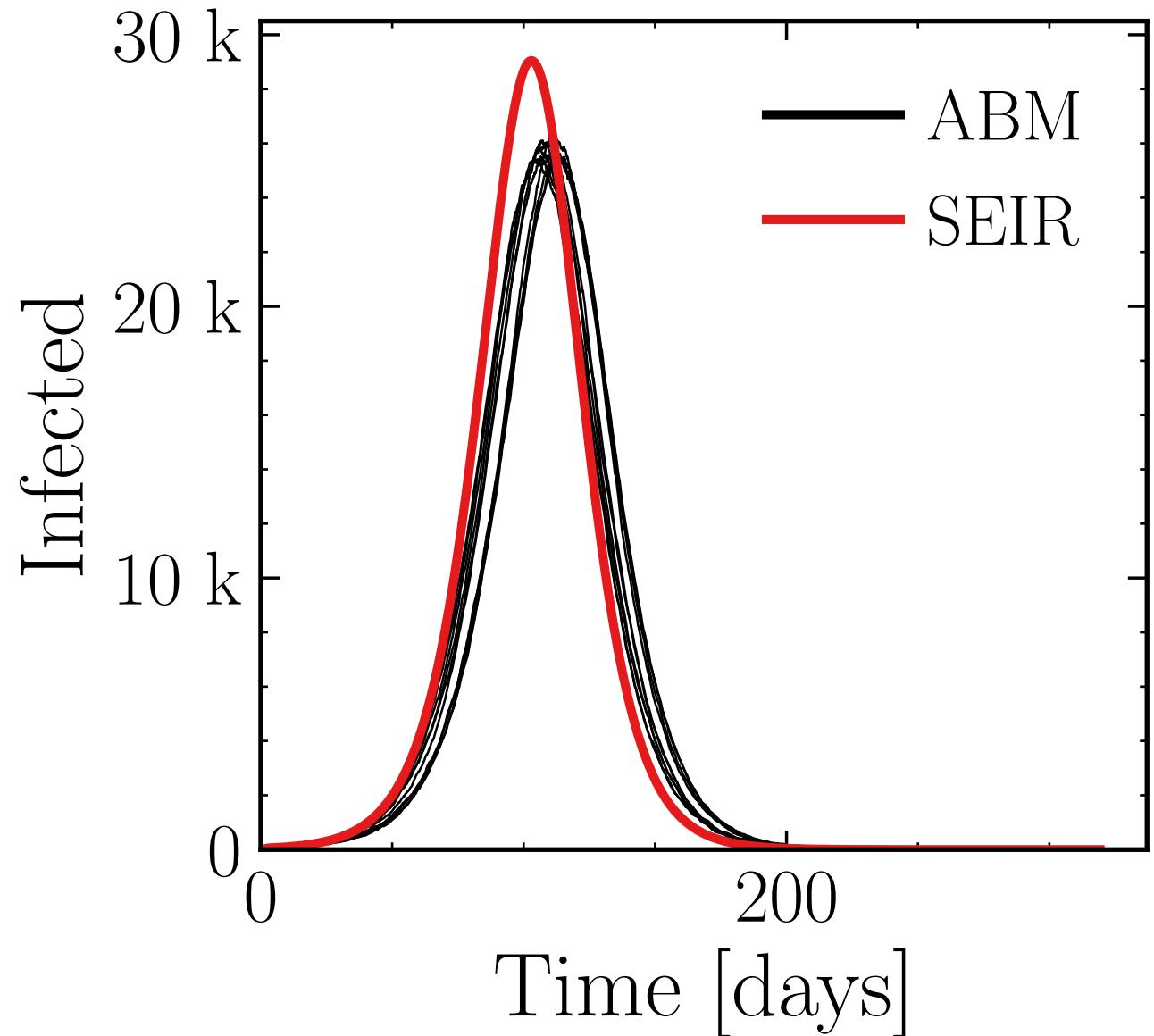
$$R_\infty^{\text{ABM}} = (356.8 \pm 0.096\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (25.72 \pm 0.36\%) \cdot 10^3$$

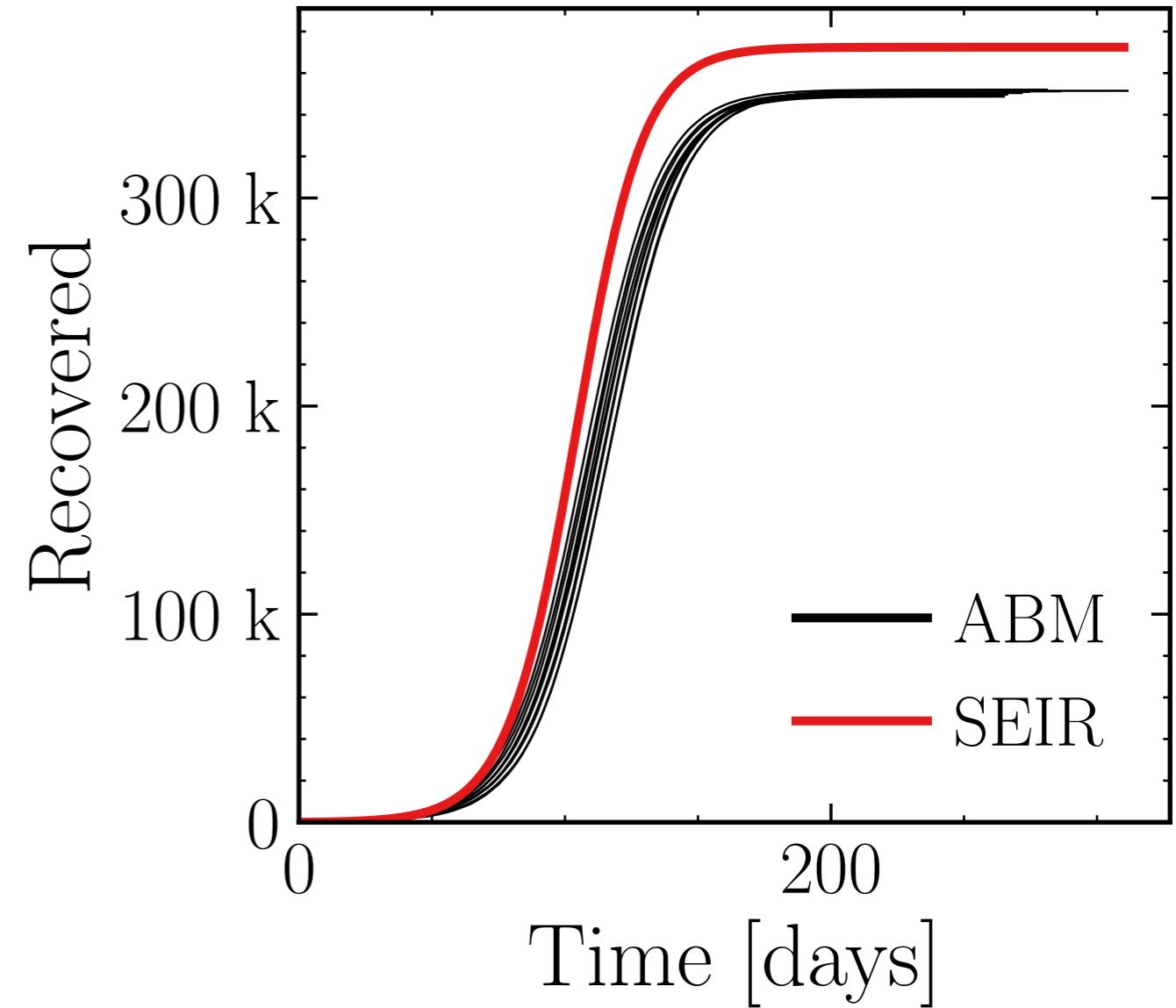
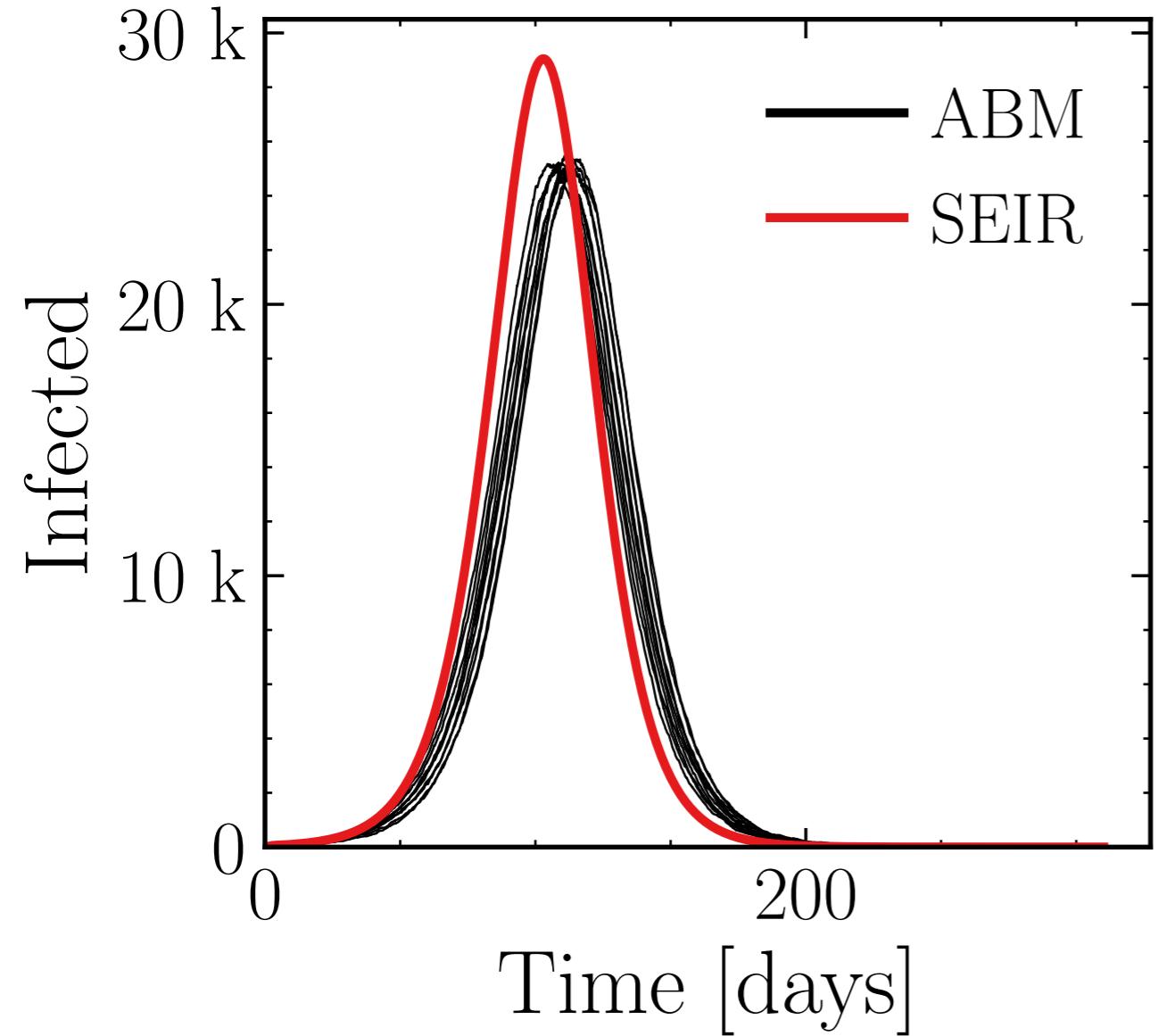
$$R_\infty^{\text{ABM}} = (354.2 \pm 0.085\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (25.1 \pm 0.29\%) \cdot 10^3$$

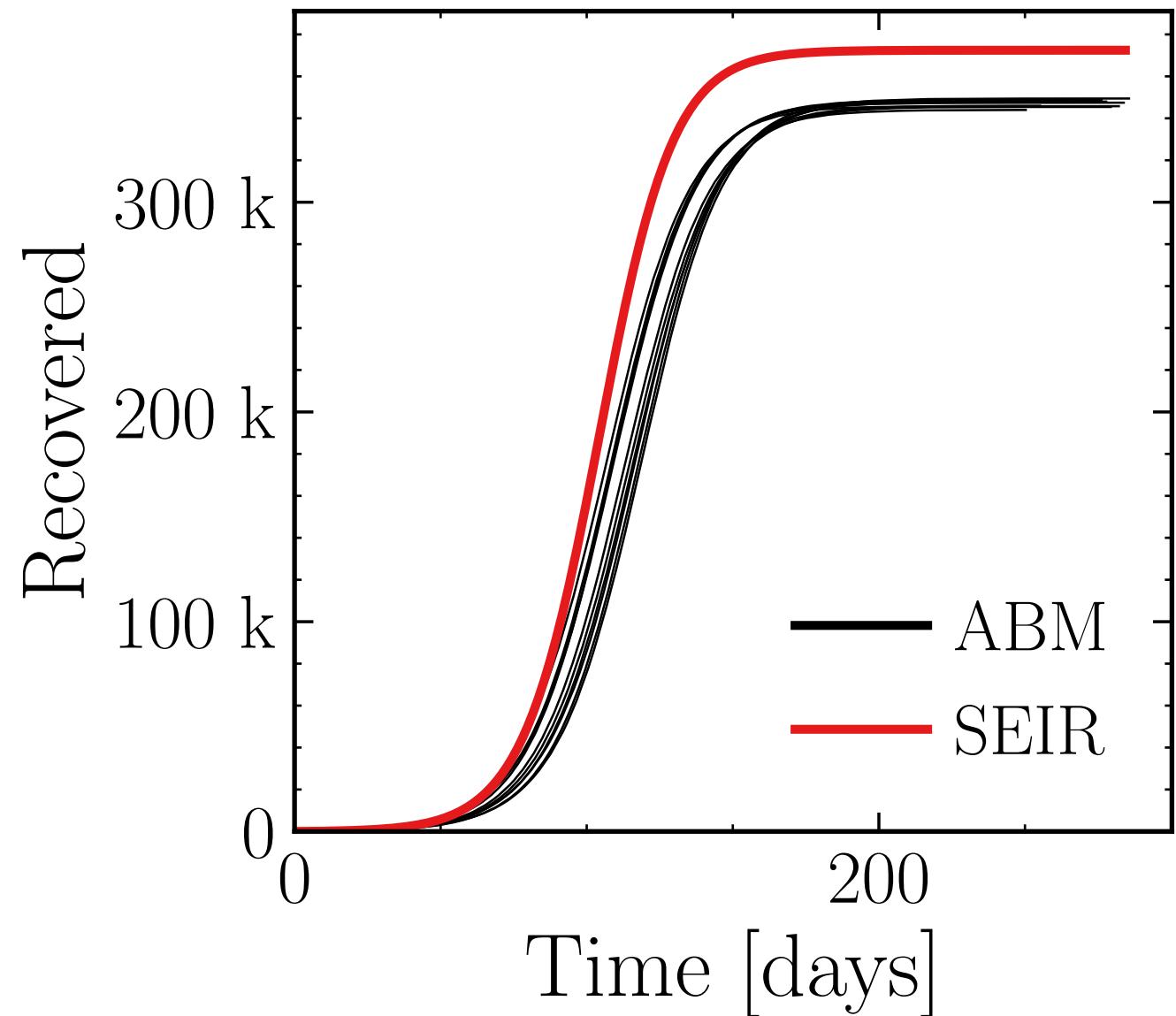
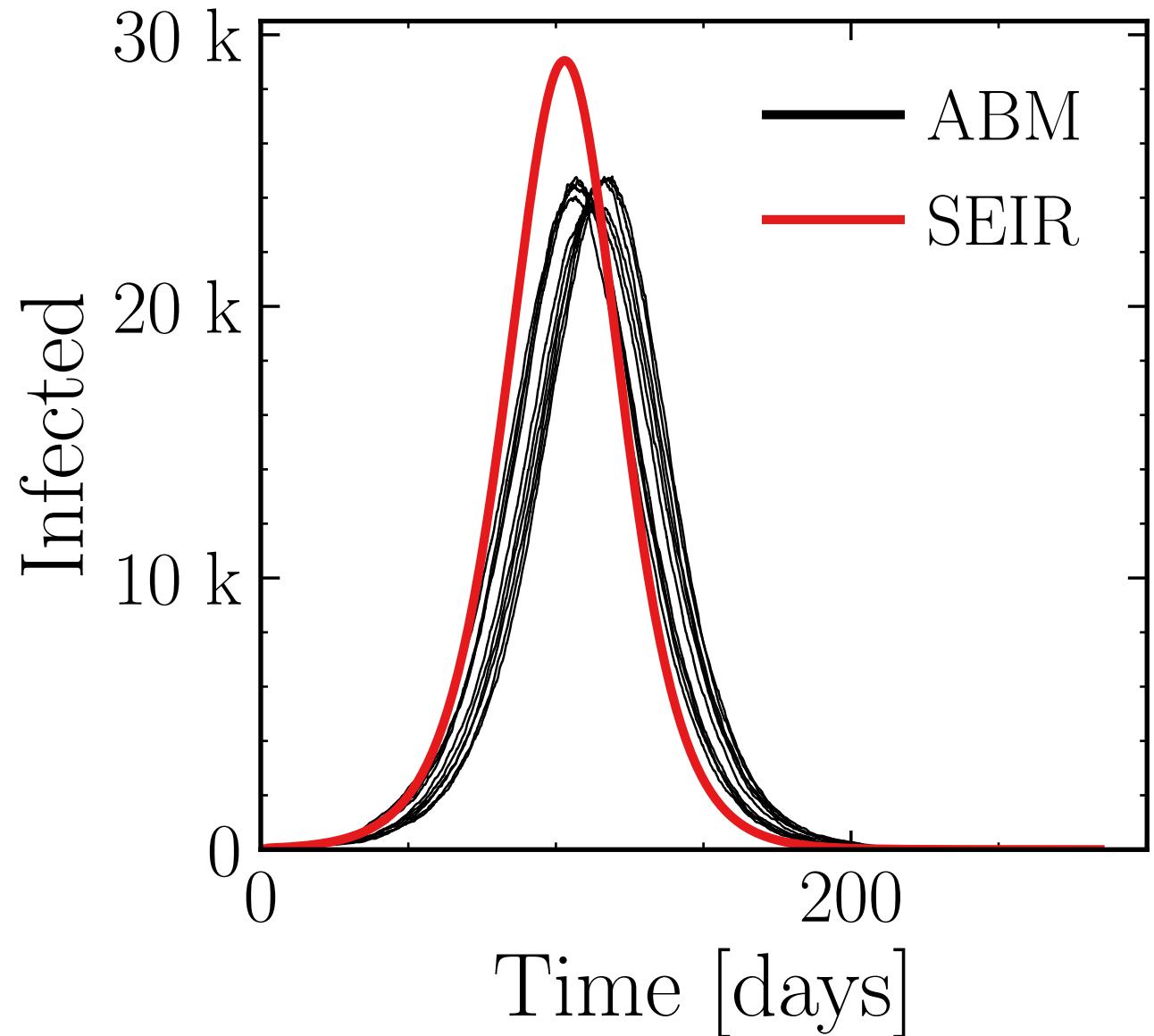
$$R_\infty^{\text{ABM}} = (350.7 \pm 0.085\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

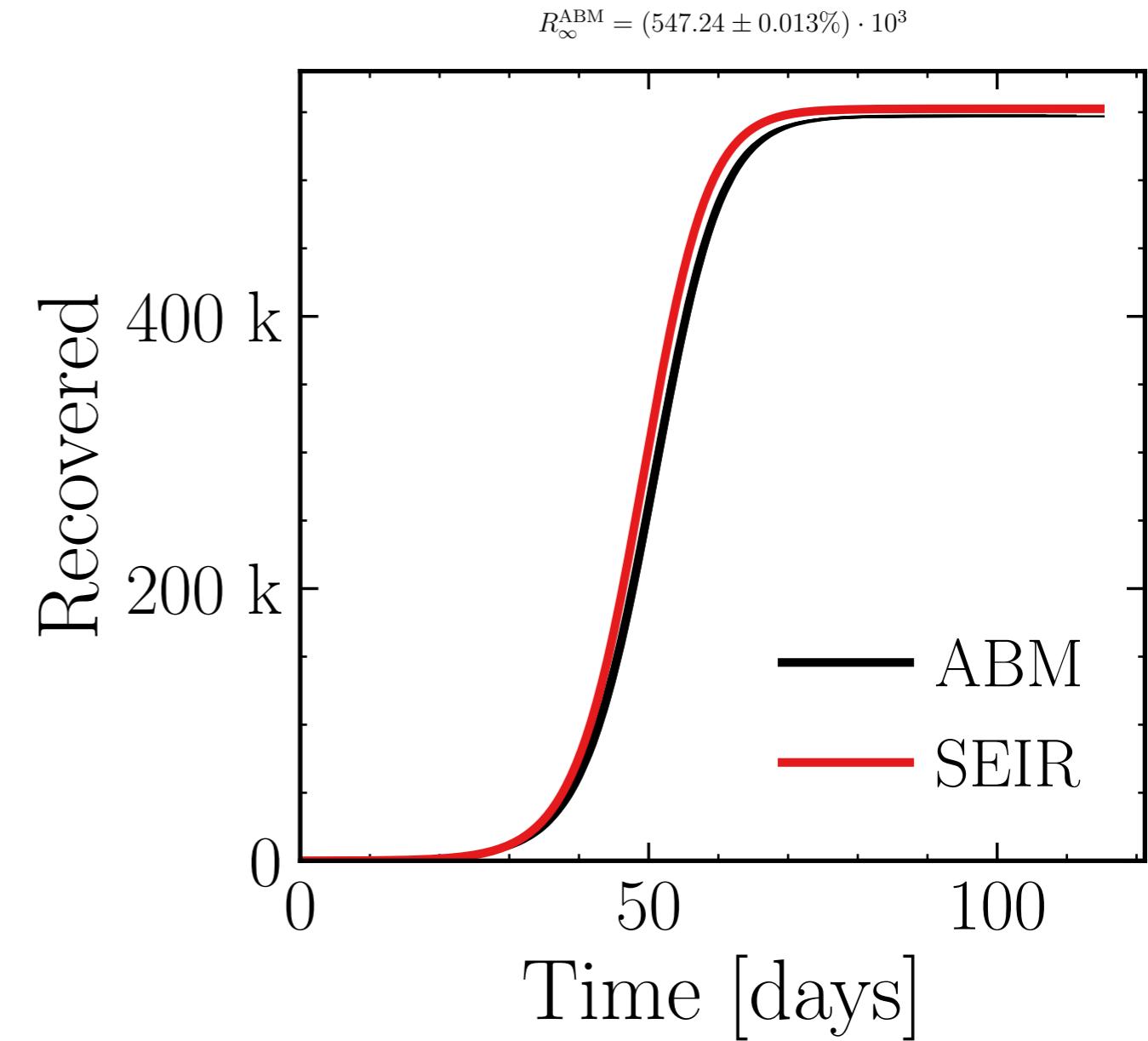
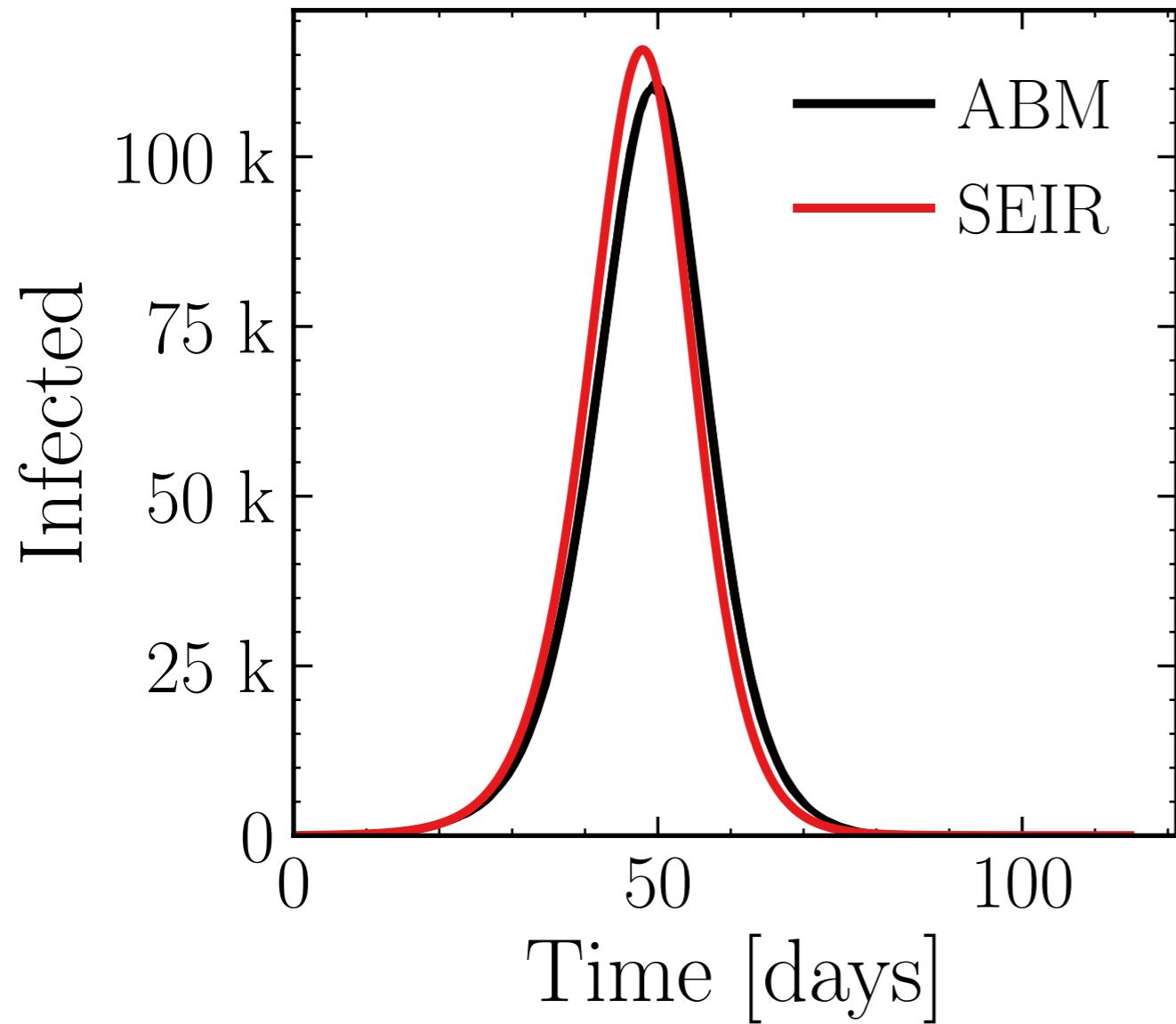
$$I_{\max}^{\text{ABM}} = (24.3 \pm 0.58\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (347.1 \pm 0.15\%) \cdot 10^3$$

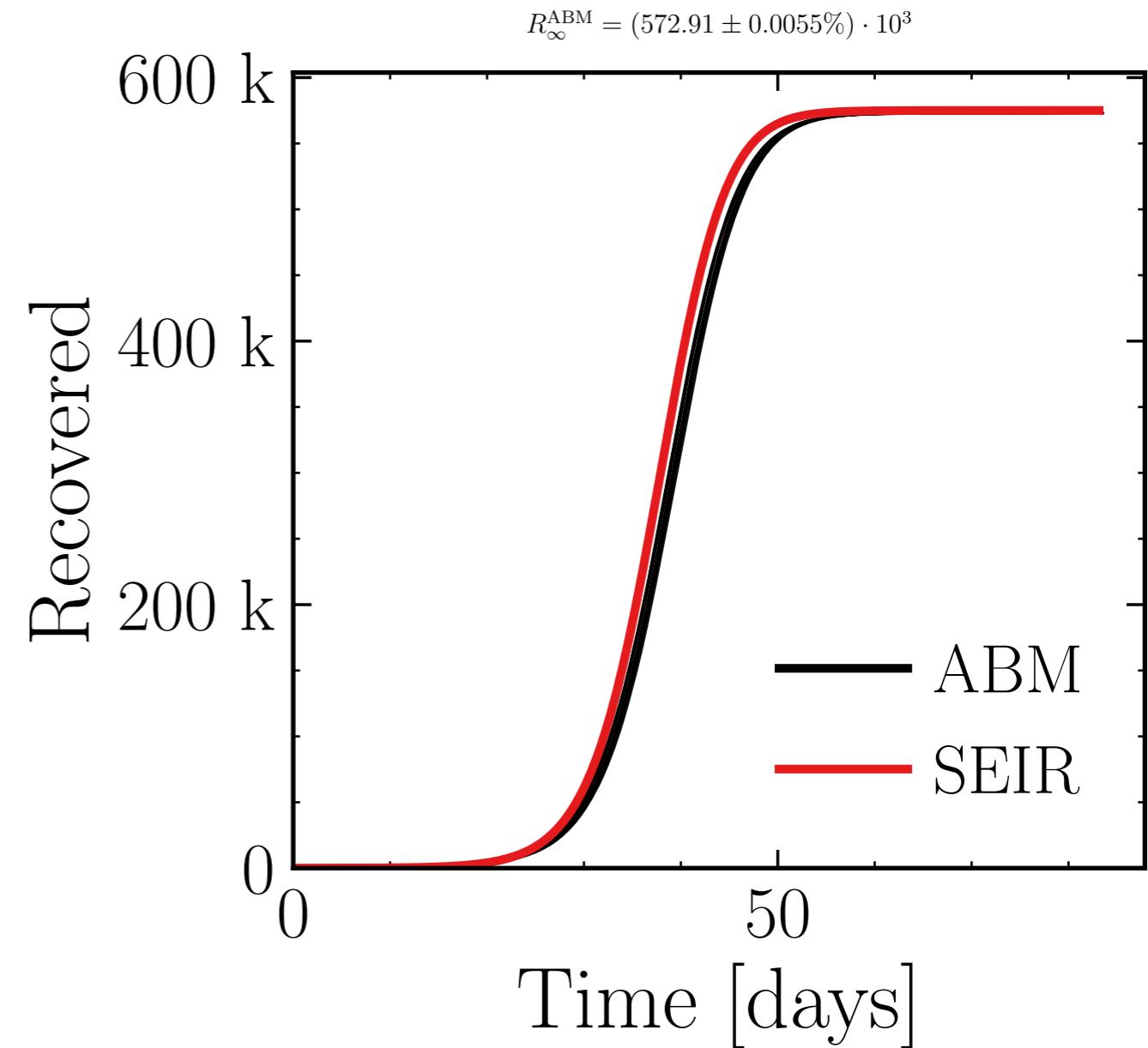
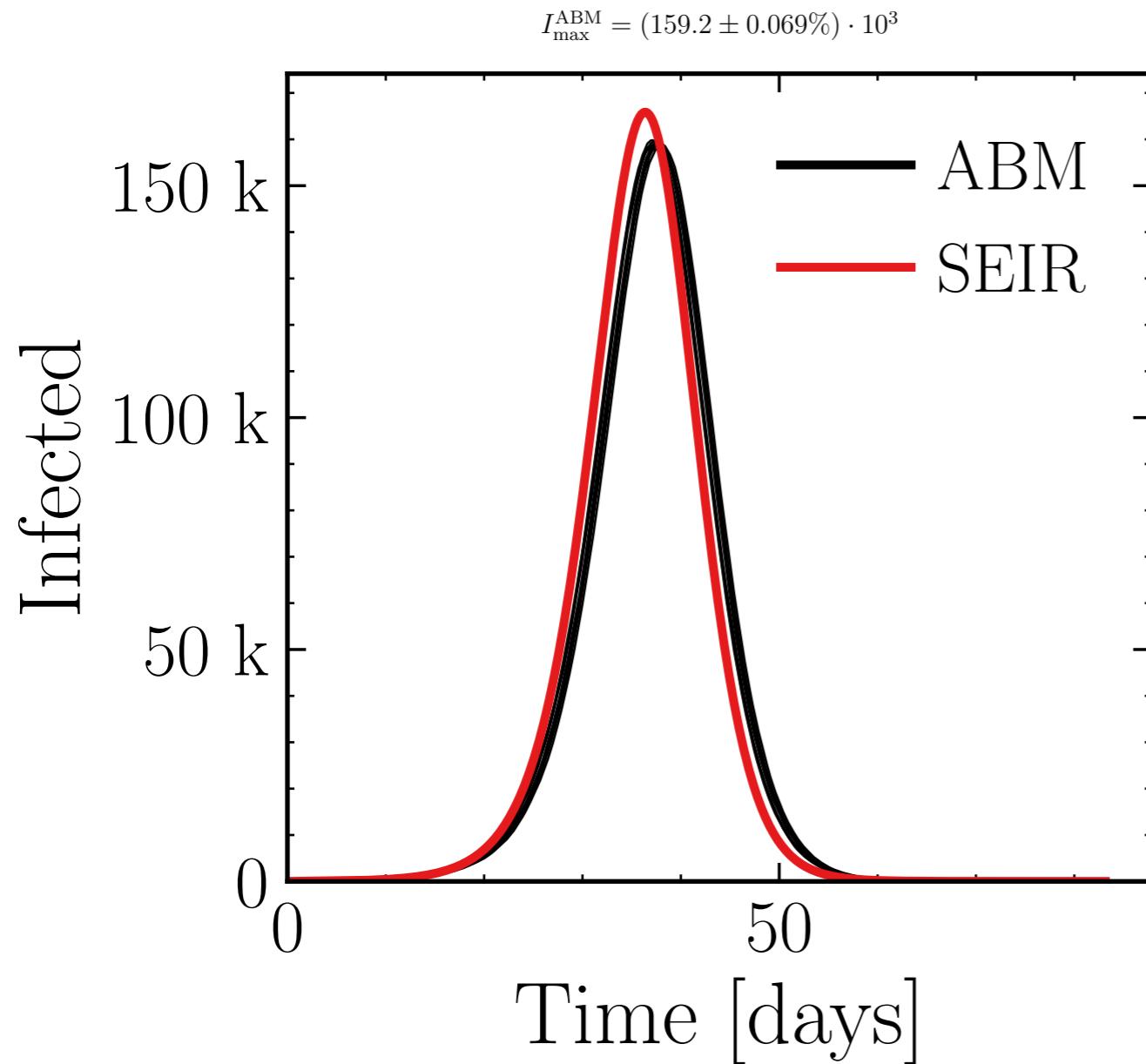


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (110.5 \pm 0.13\%) \cdot 10^3$$

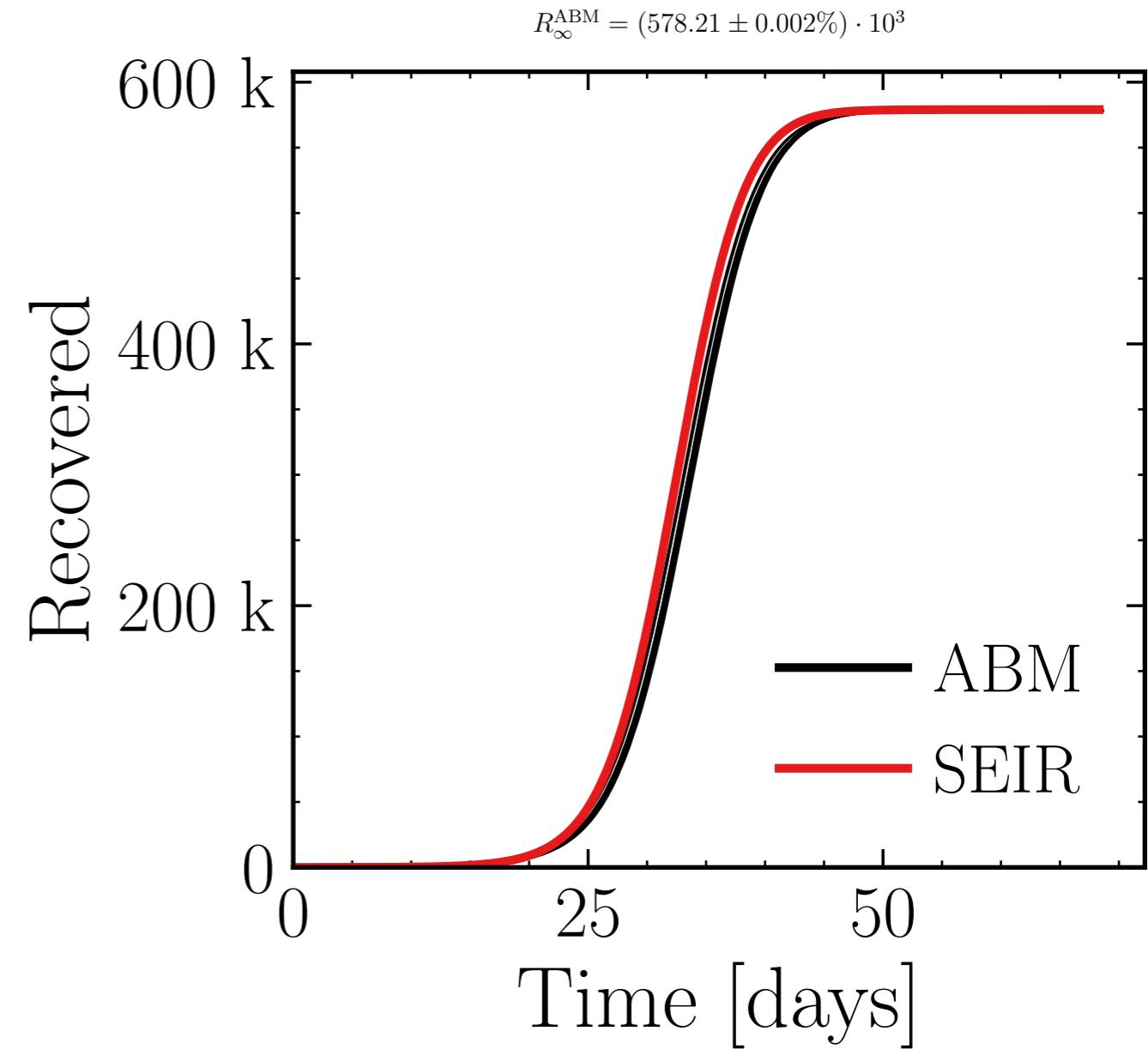
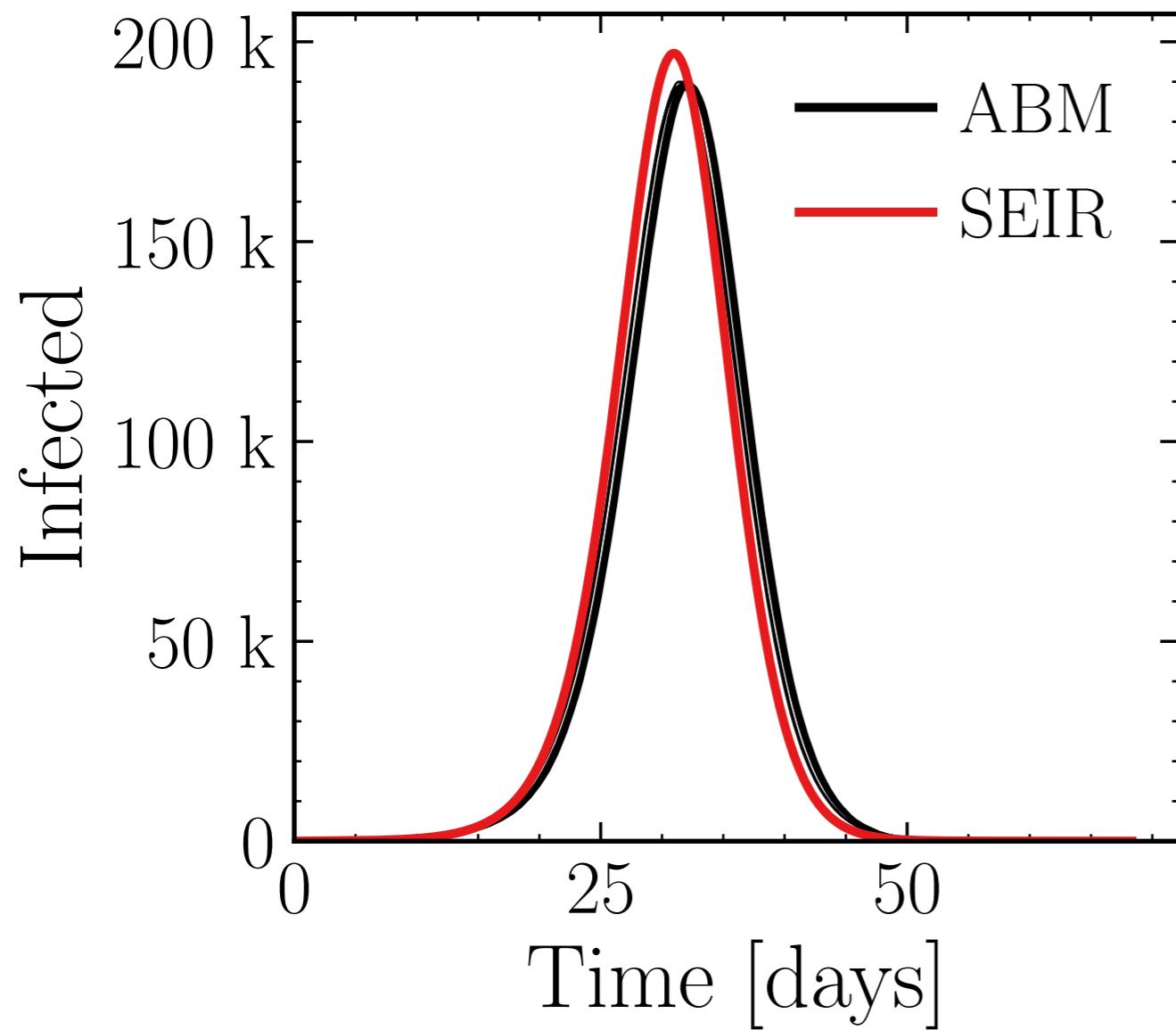


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.03$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10



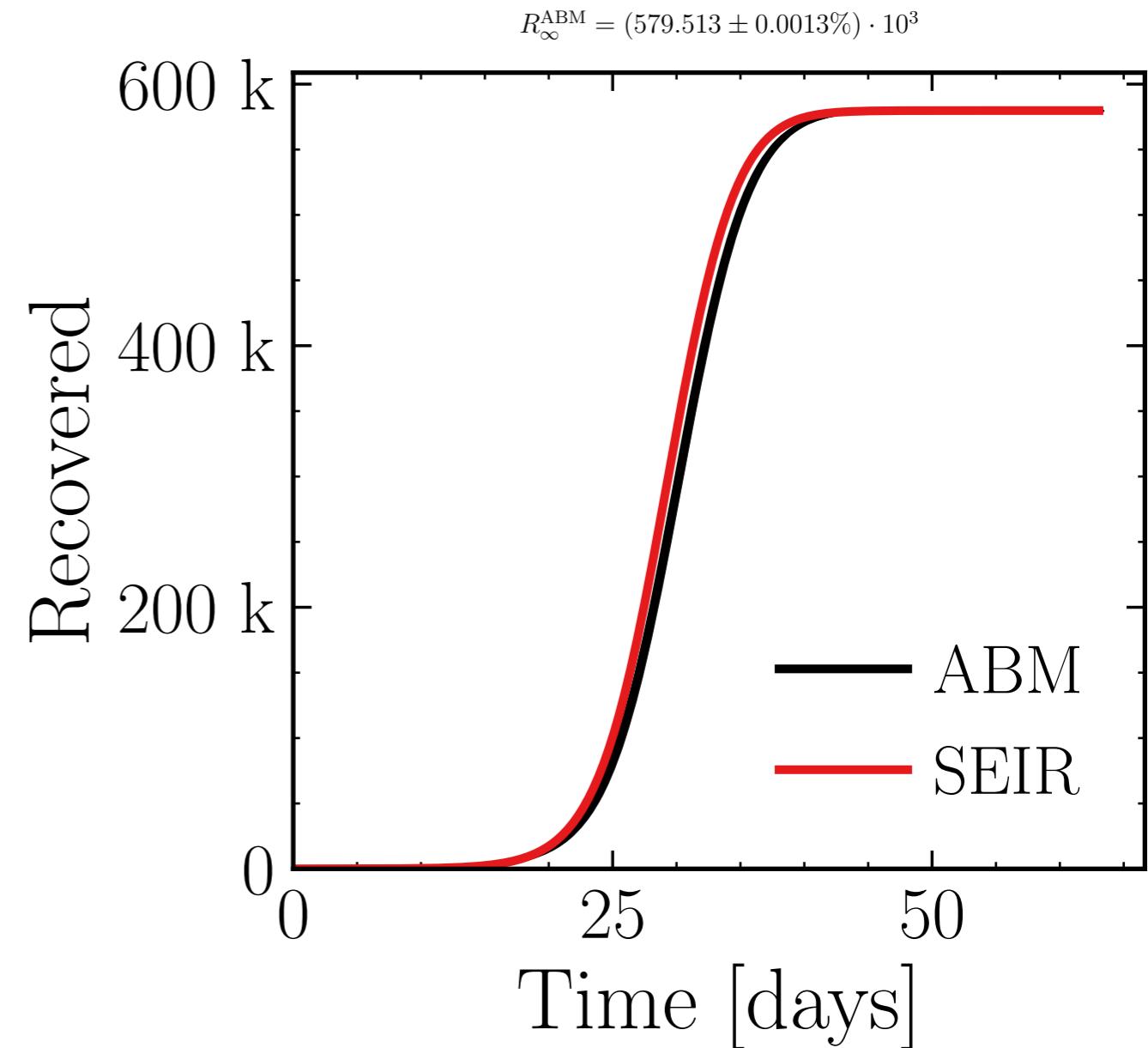
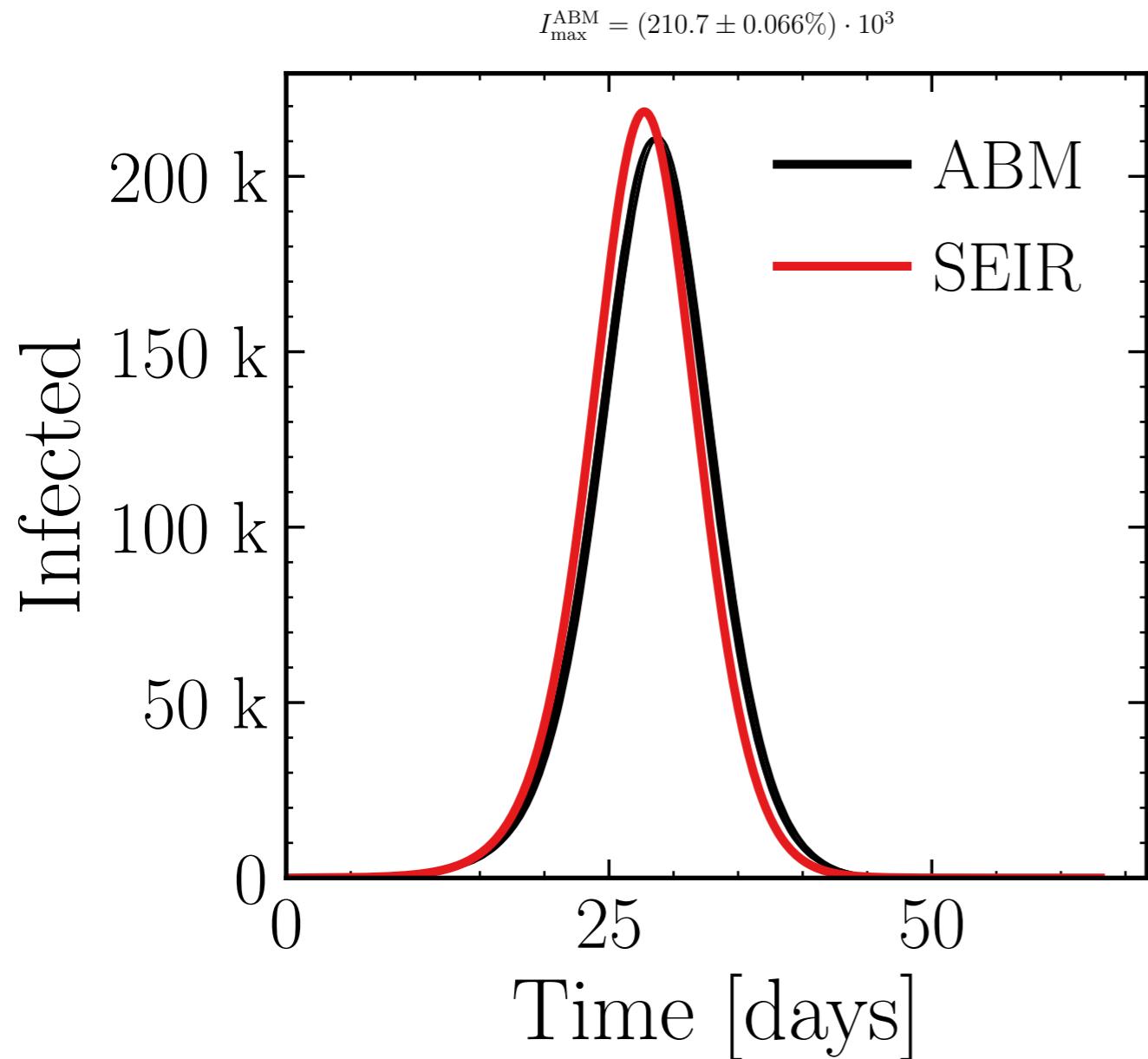
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (189.7 \pm 0.059\%) \cdot 10^3$$



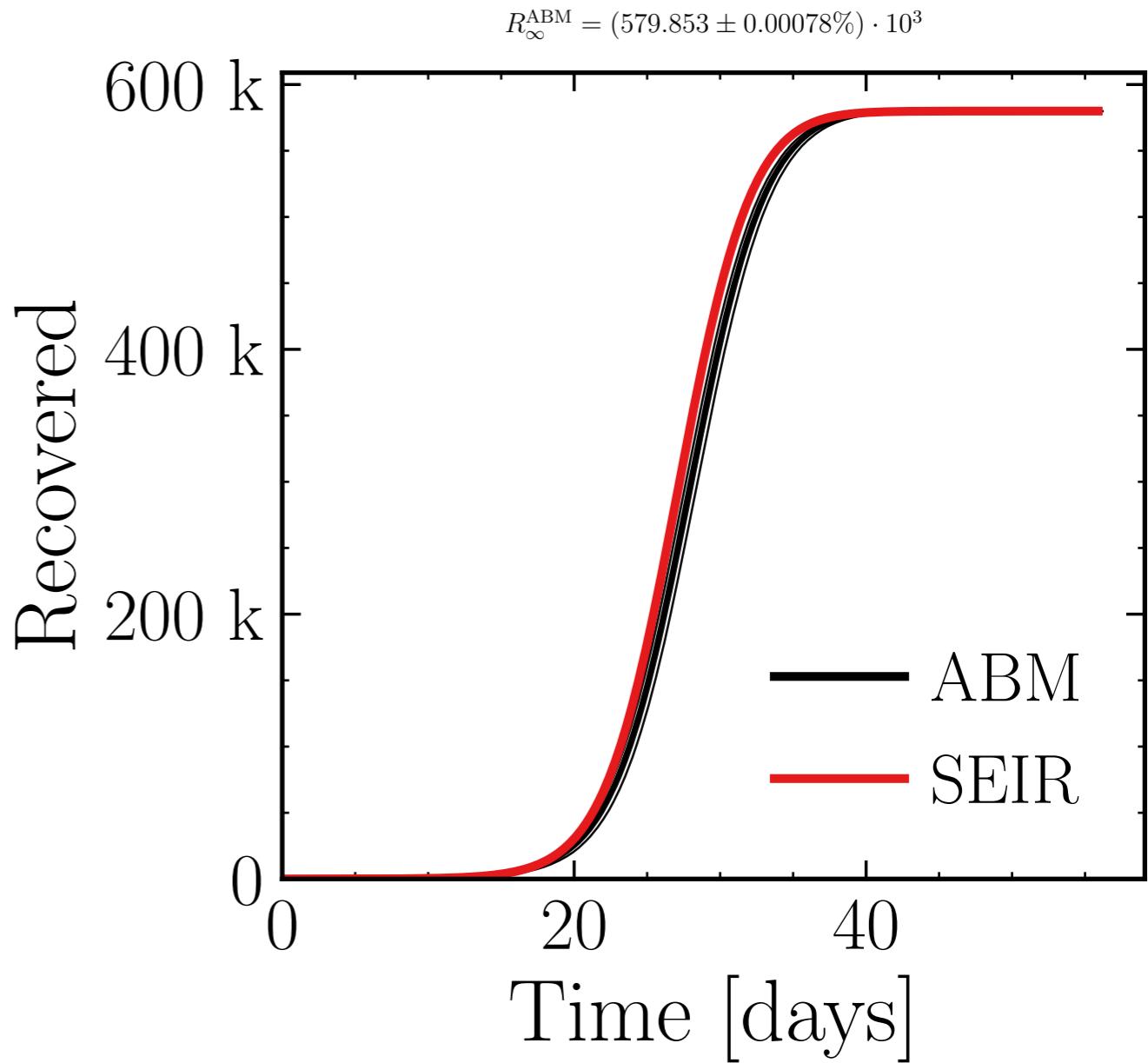
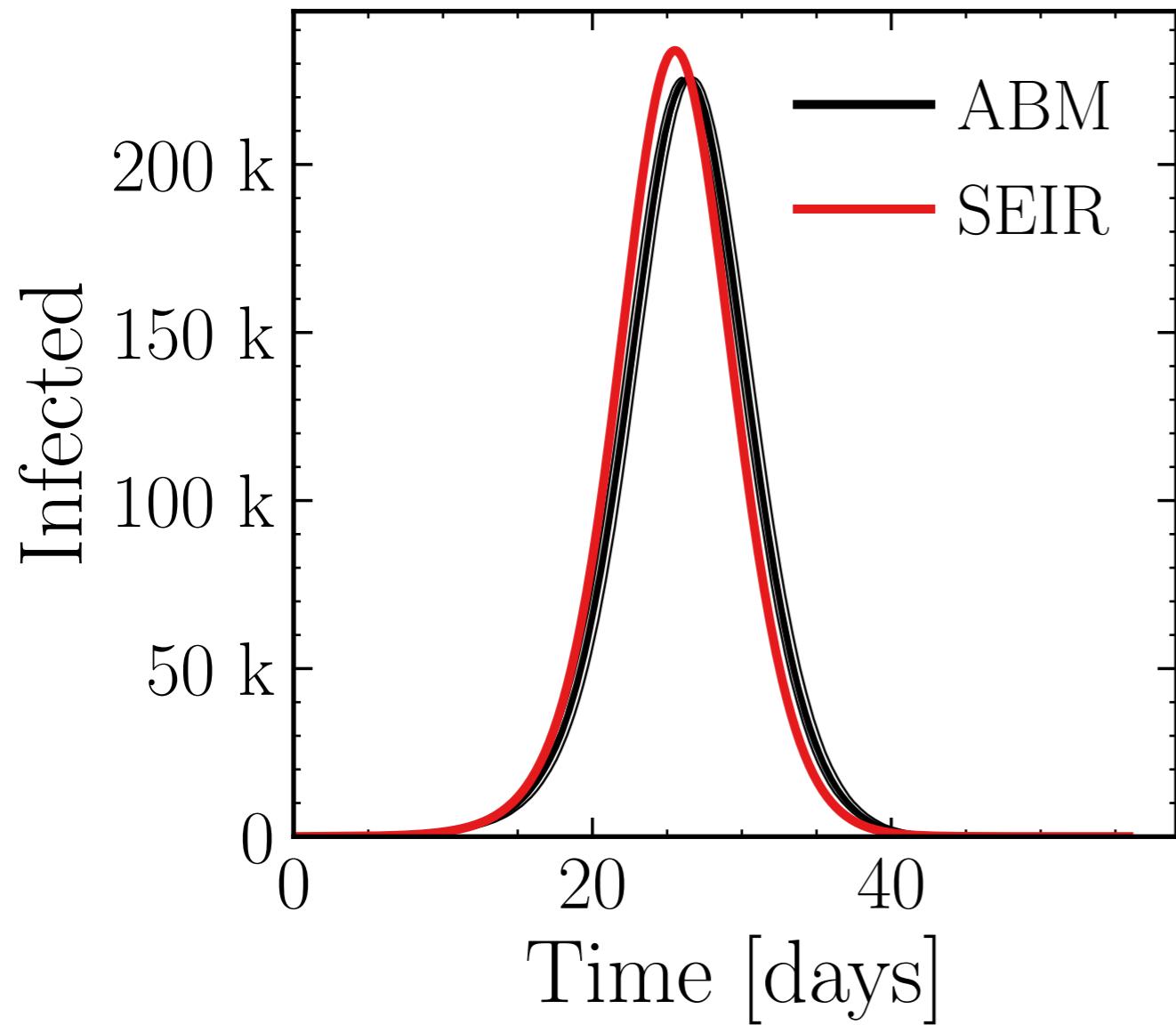
$$R_\infty^{\text{ABM}} = (578.21 \pm 0.002\%) \cdot 10^3$$

$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.05$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10



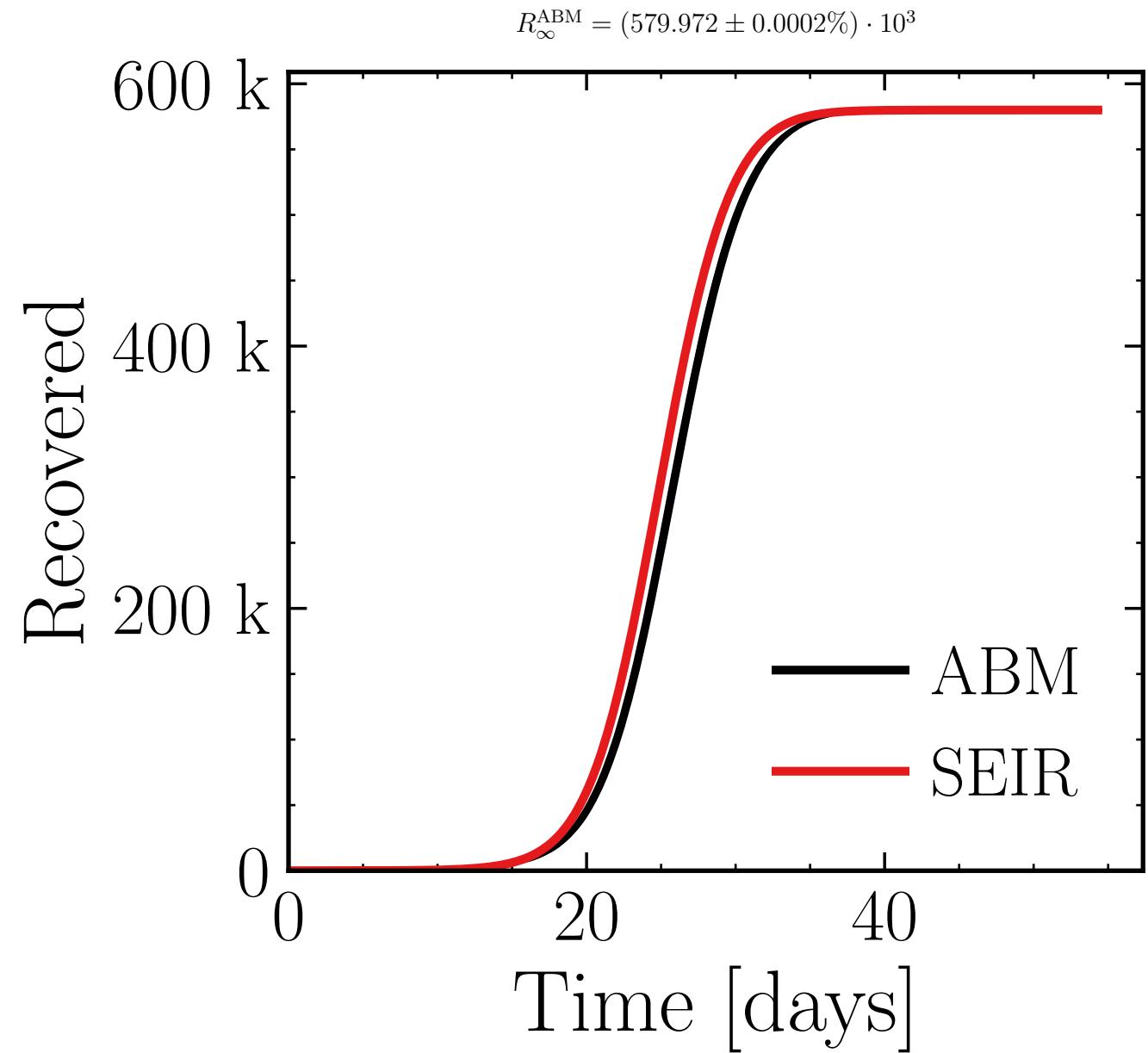
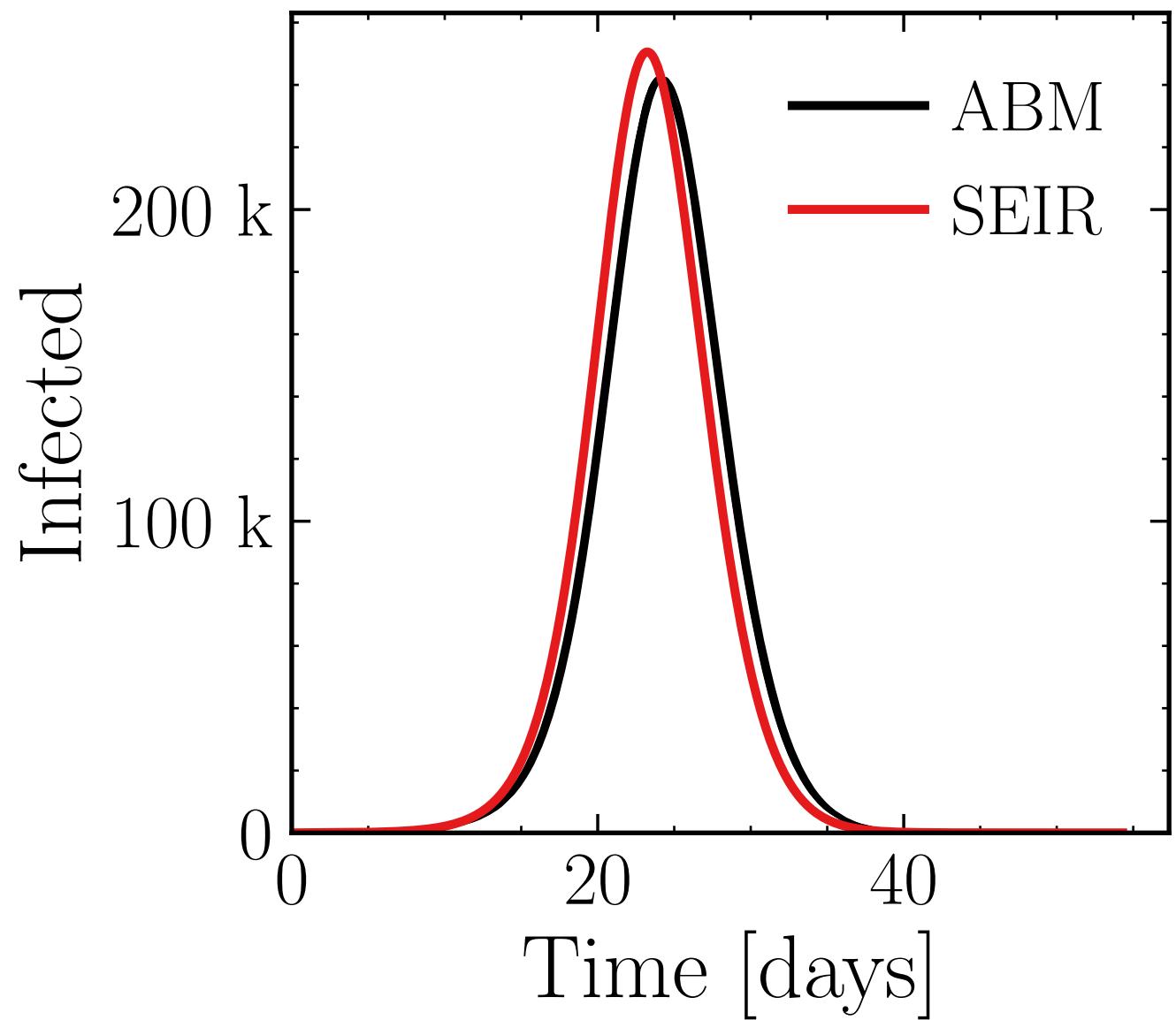
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.06$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (225.78 \pm 0.035\%) \cdot 10^3$$



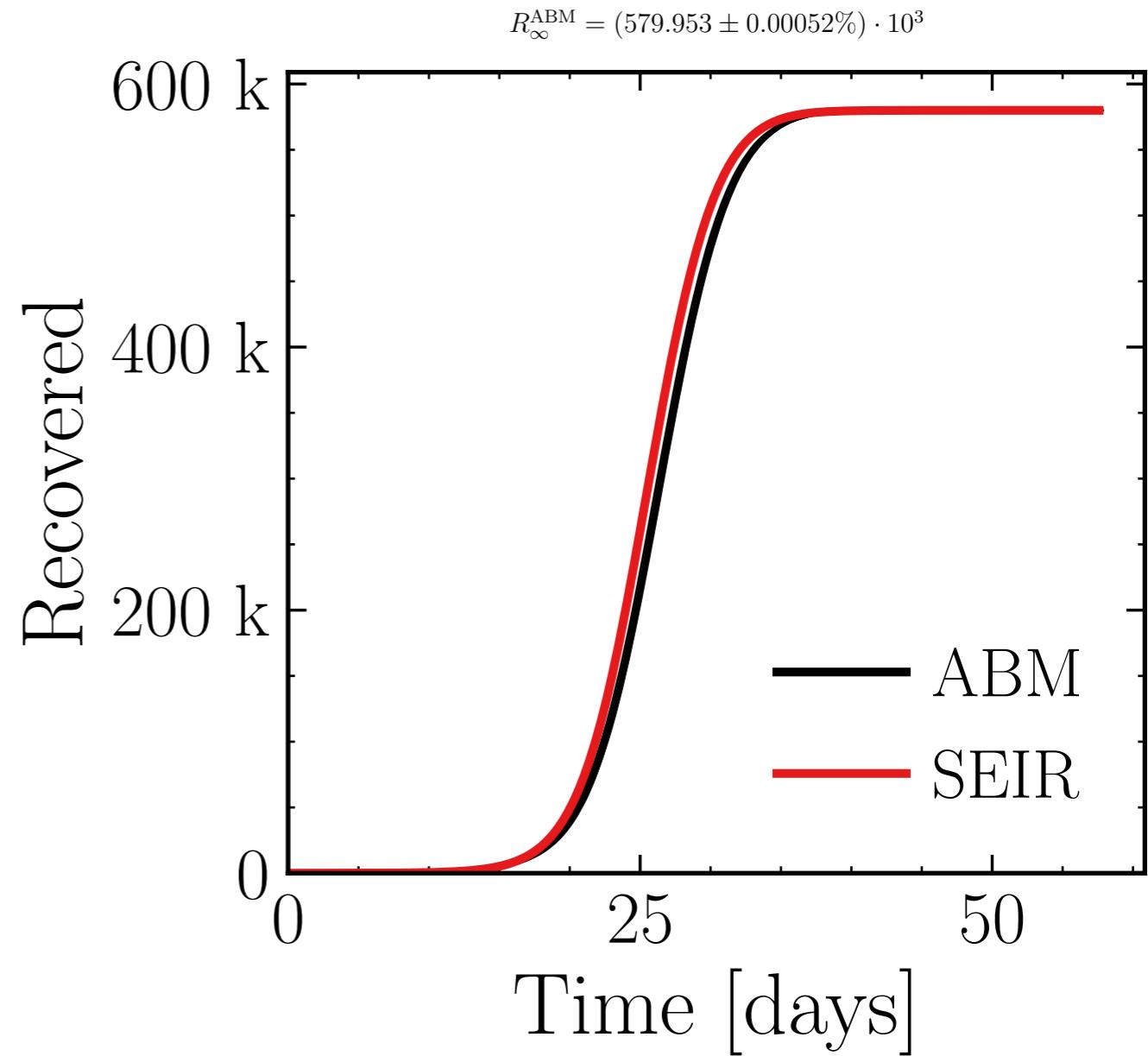
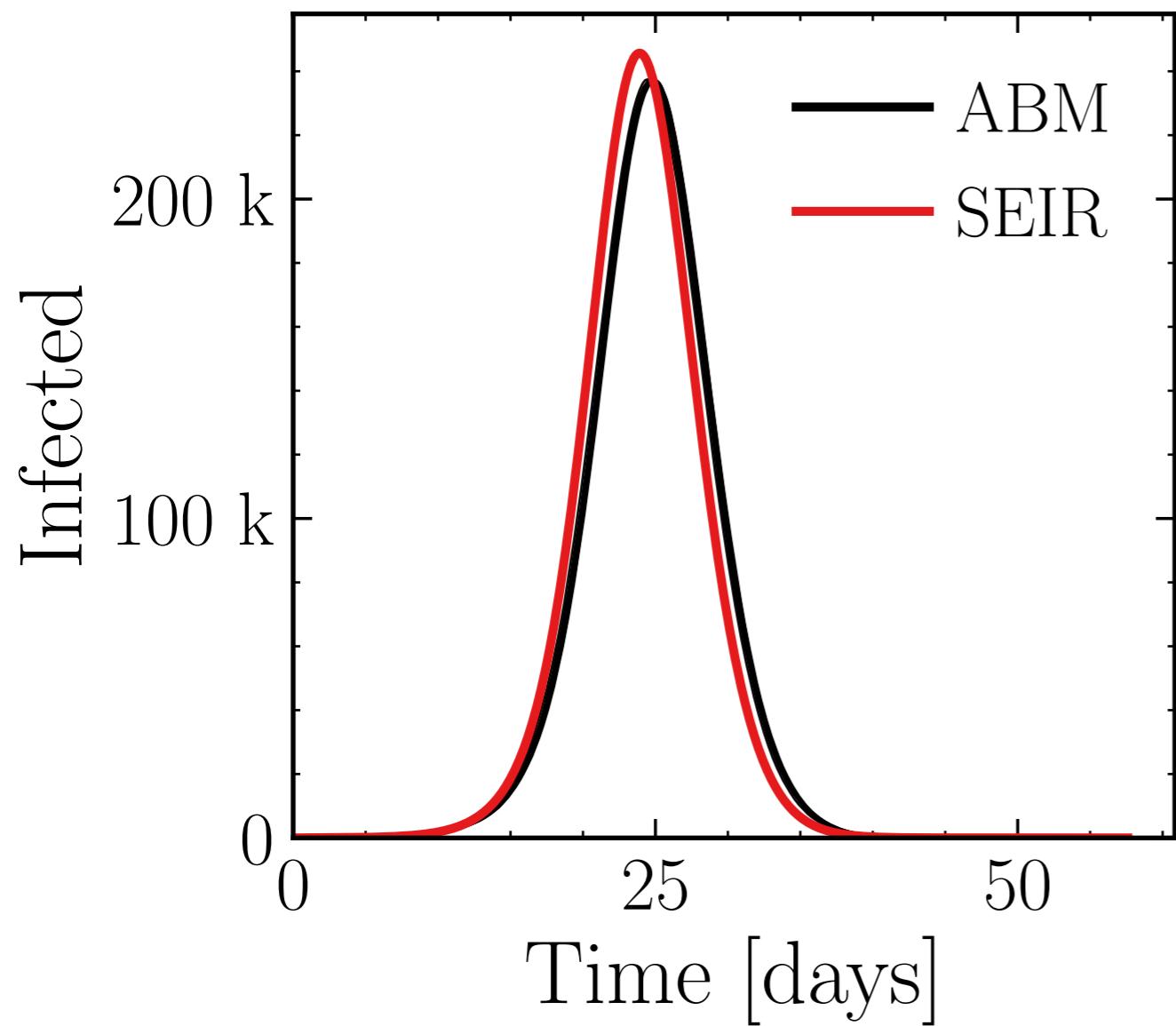
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.075$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (242.2 \pm 0.03\%) \cdot 10^3$$



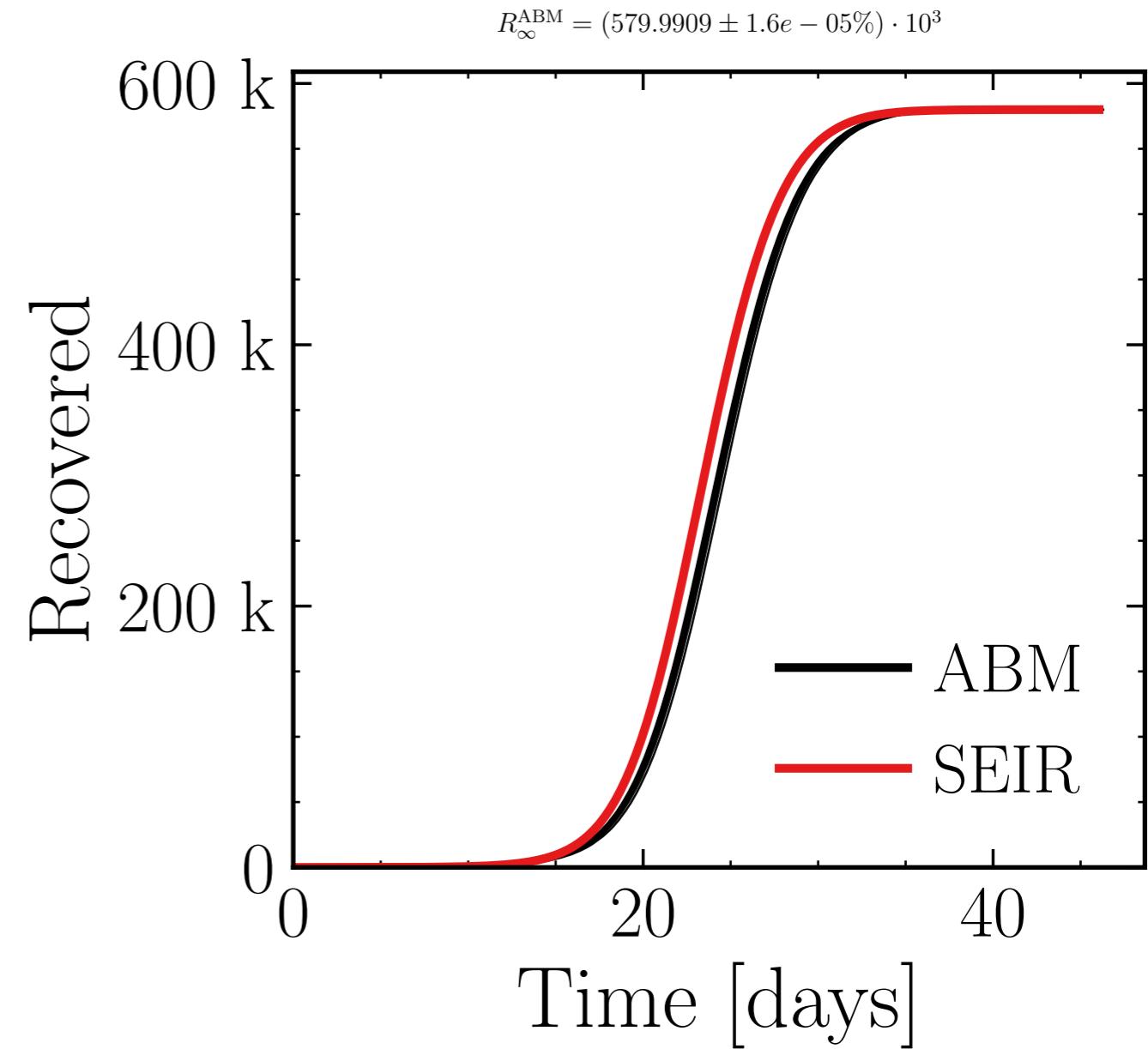
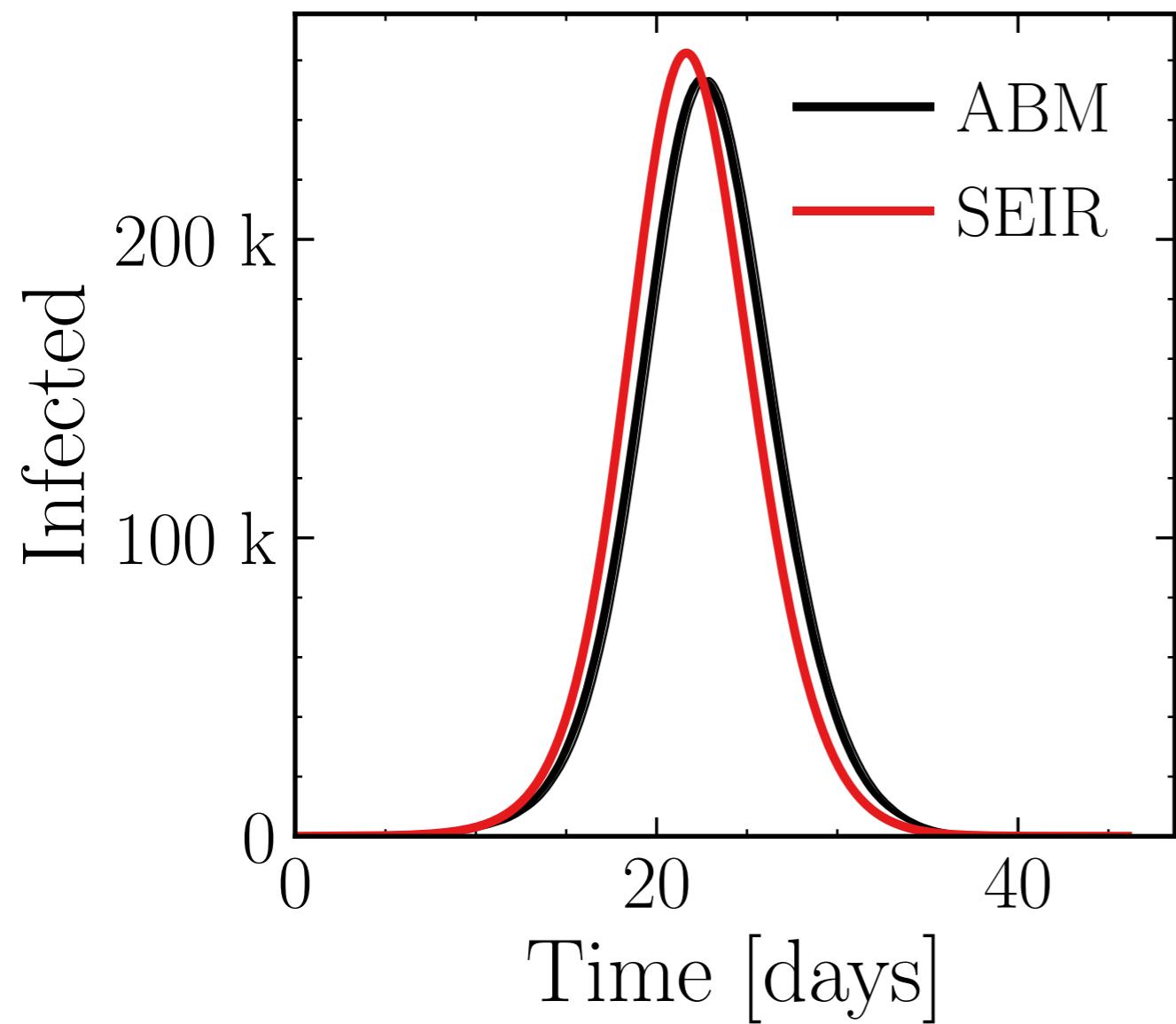
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.07$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\text{max}}^{\text{ABM}} = (237.3 \pm 0.043\%) \cdot 10^3$$



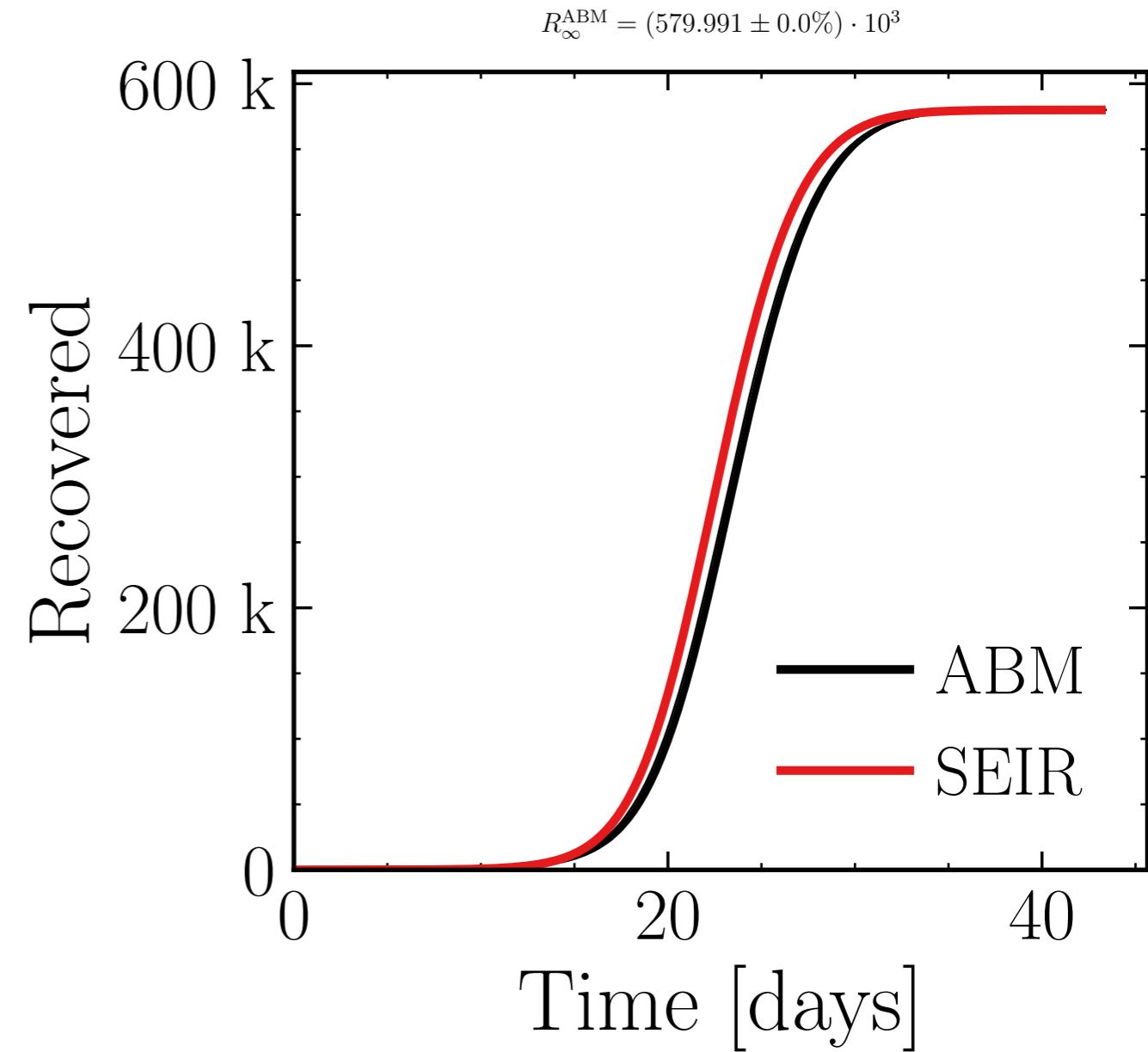
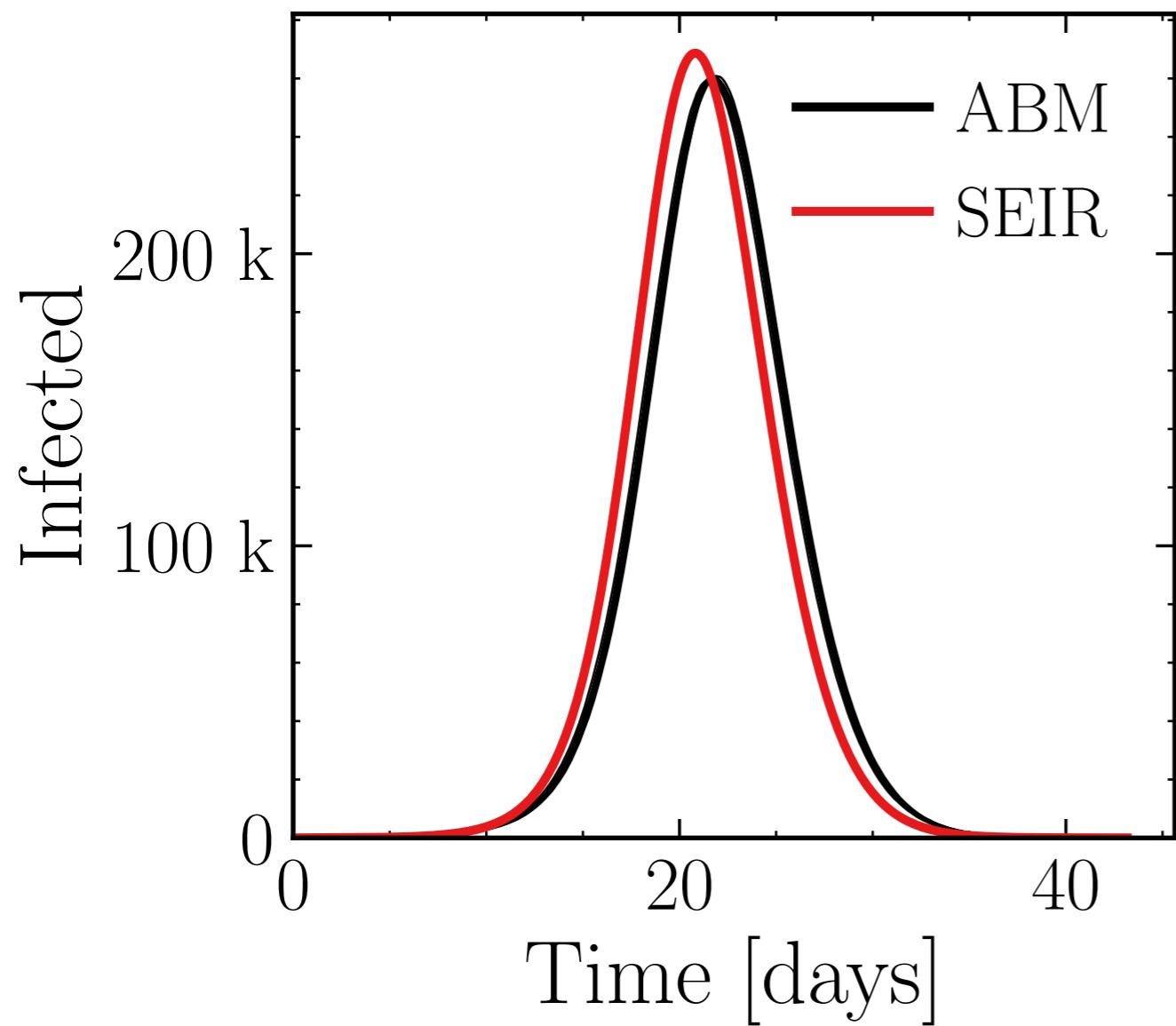
$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.09$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (253.94 \pm 0.039\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.1$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

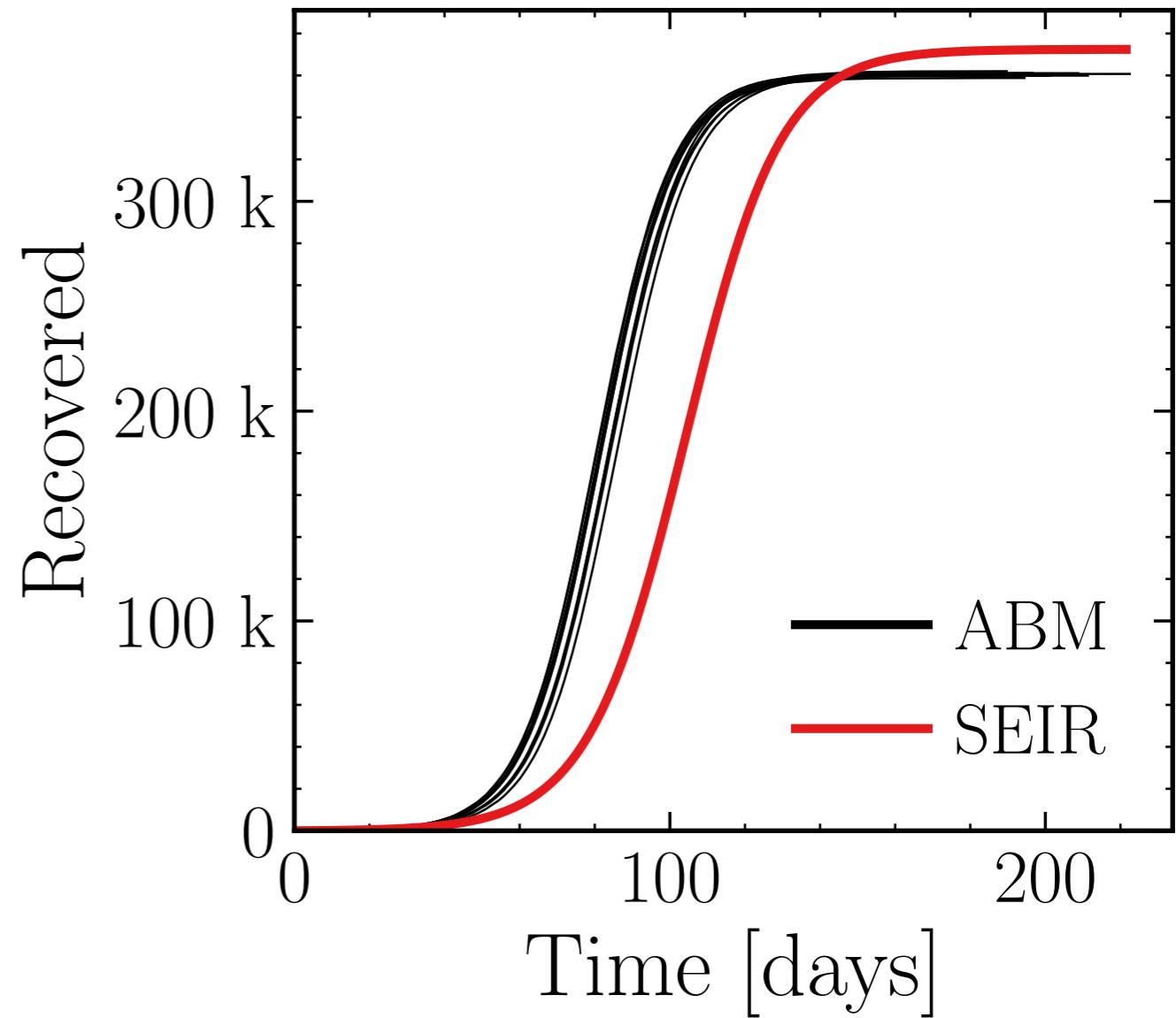
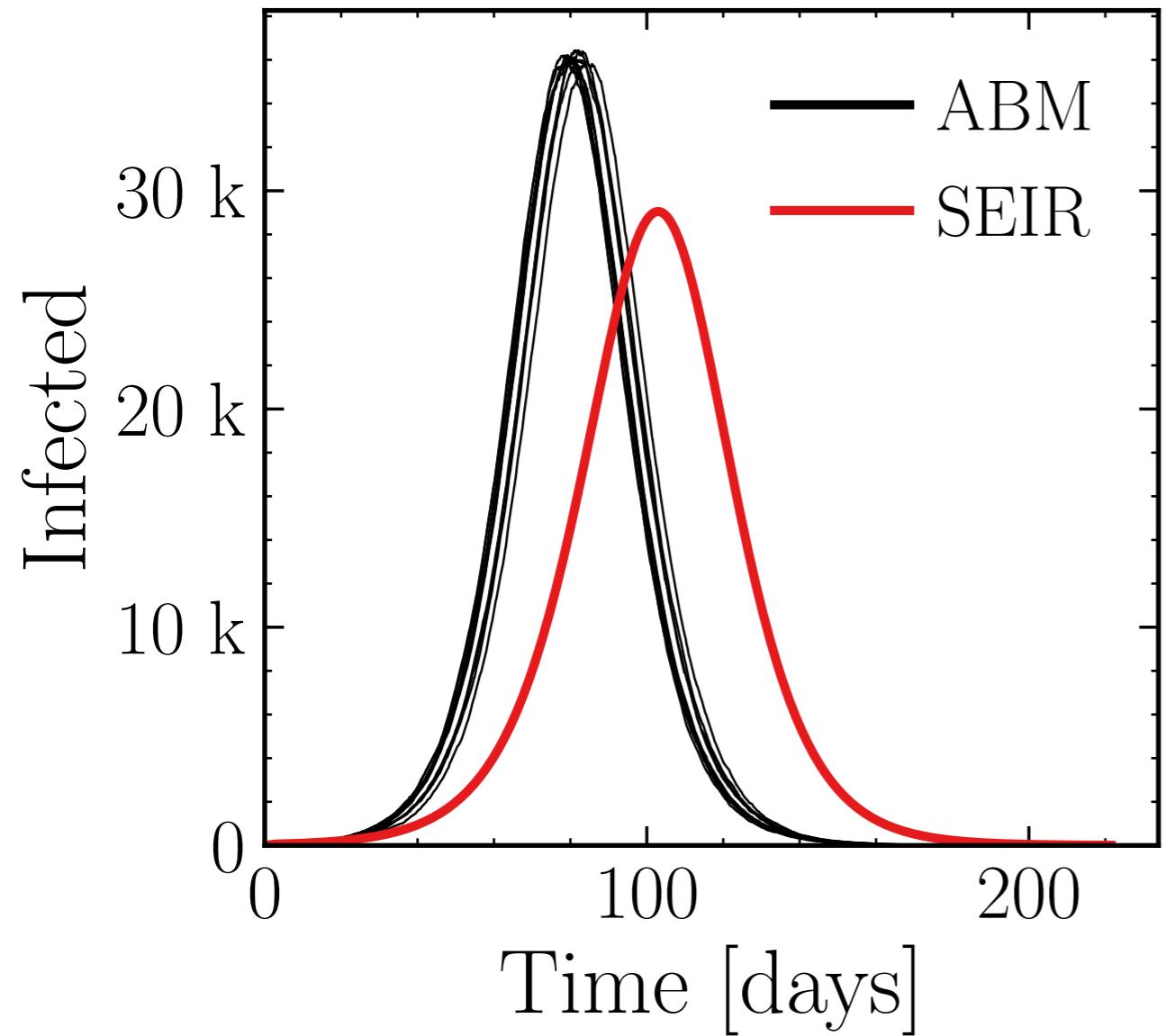
$$I_{\max}^{\text{ABM}} = (260 \pm 0.06\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (36.12 \pm 0.17\%) \cdot 10^3$$

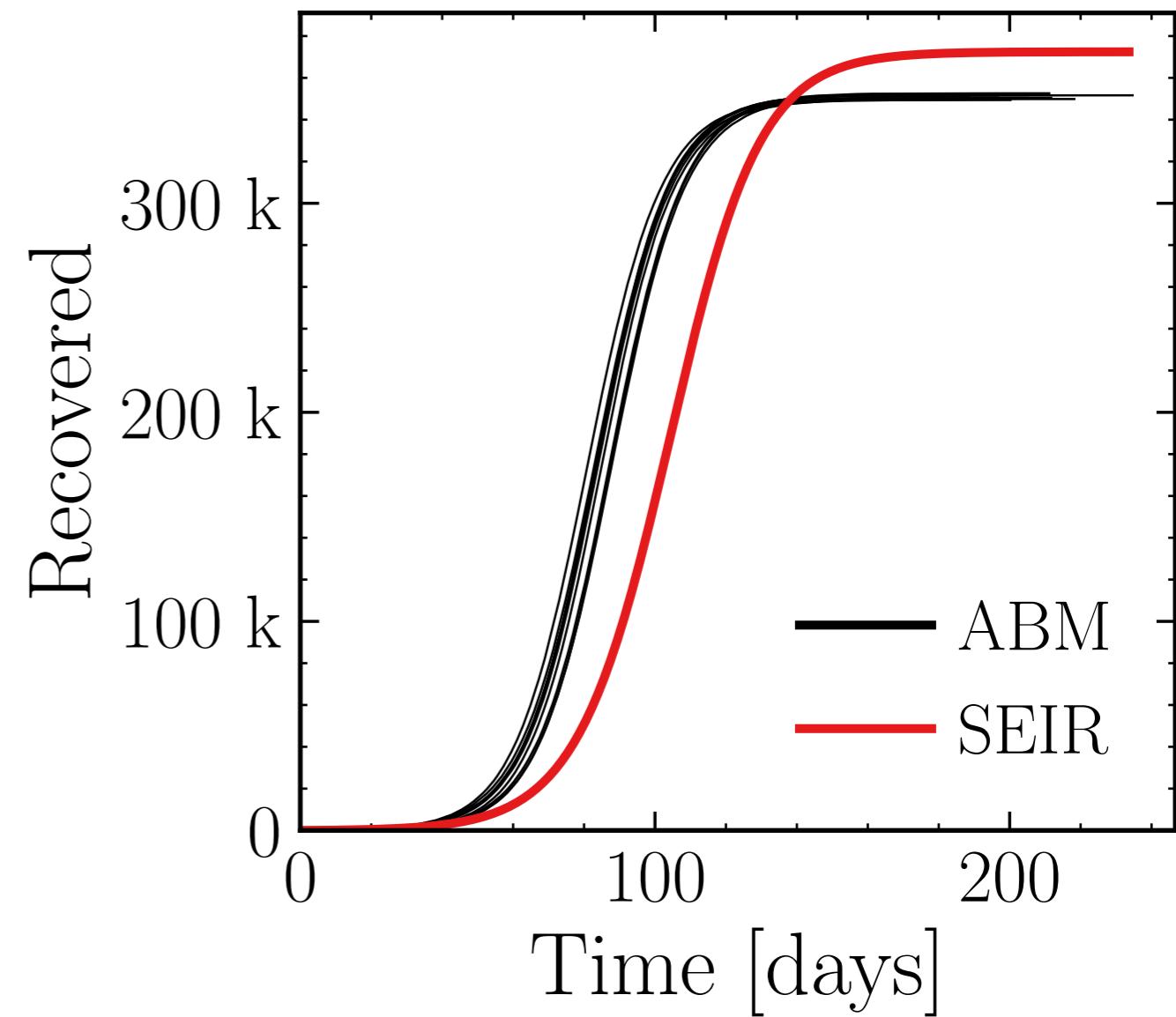
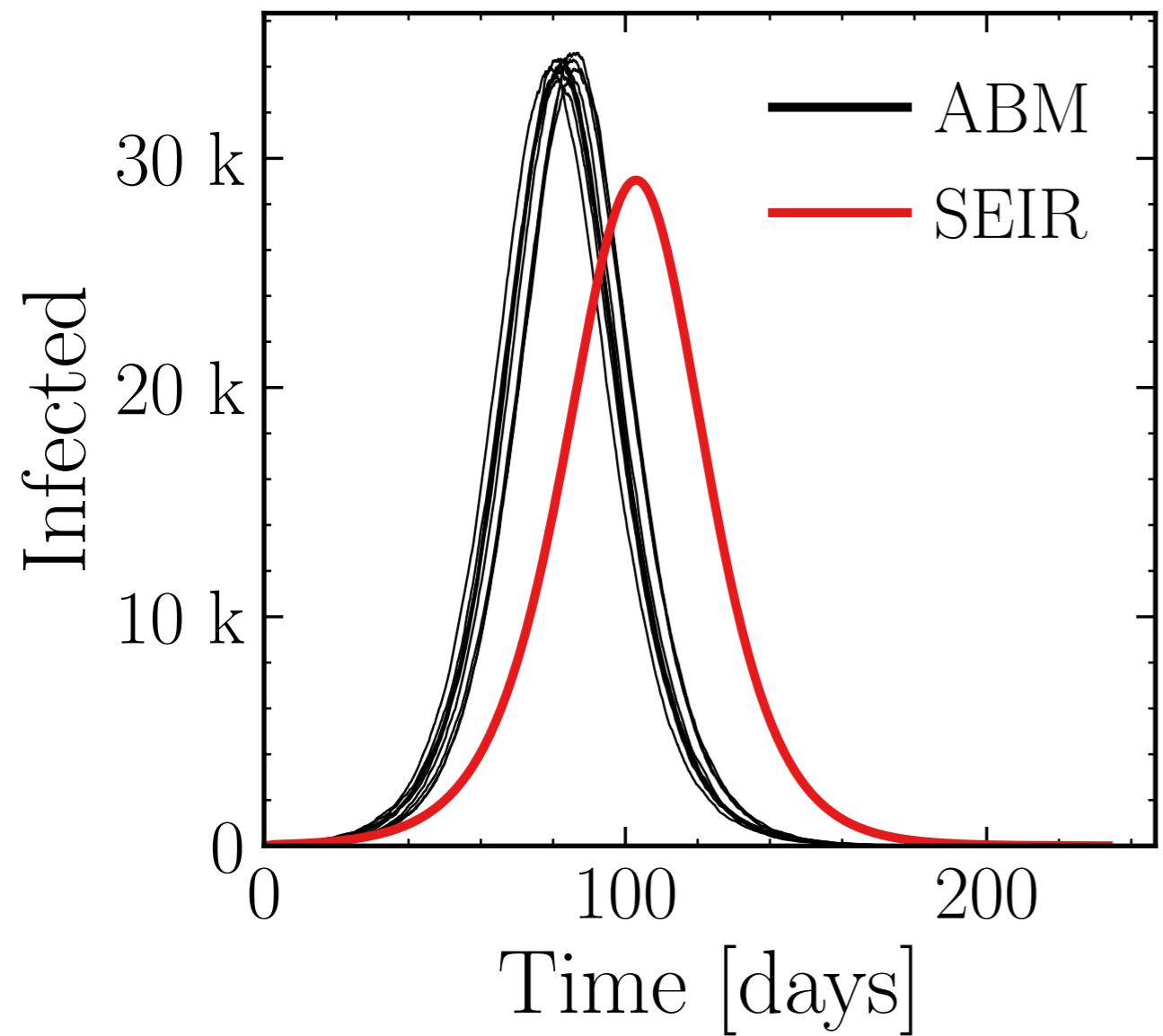
$$R_\infty^{\text{ABM}} = (360.5 \pm 0.073\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (34.1 \pm 0.3\%) \cdot 10^3$$

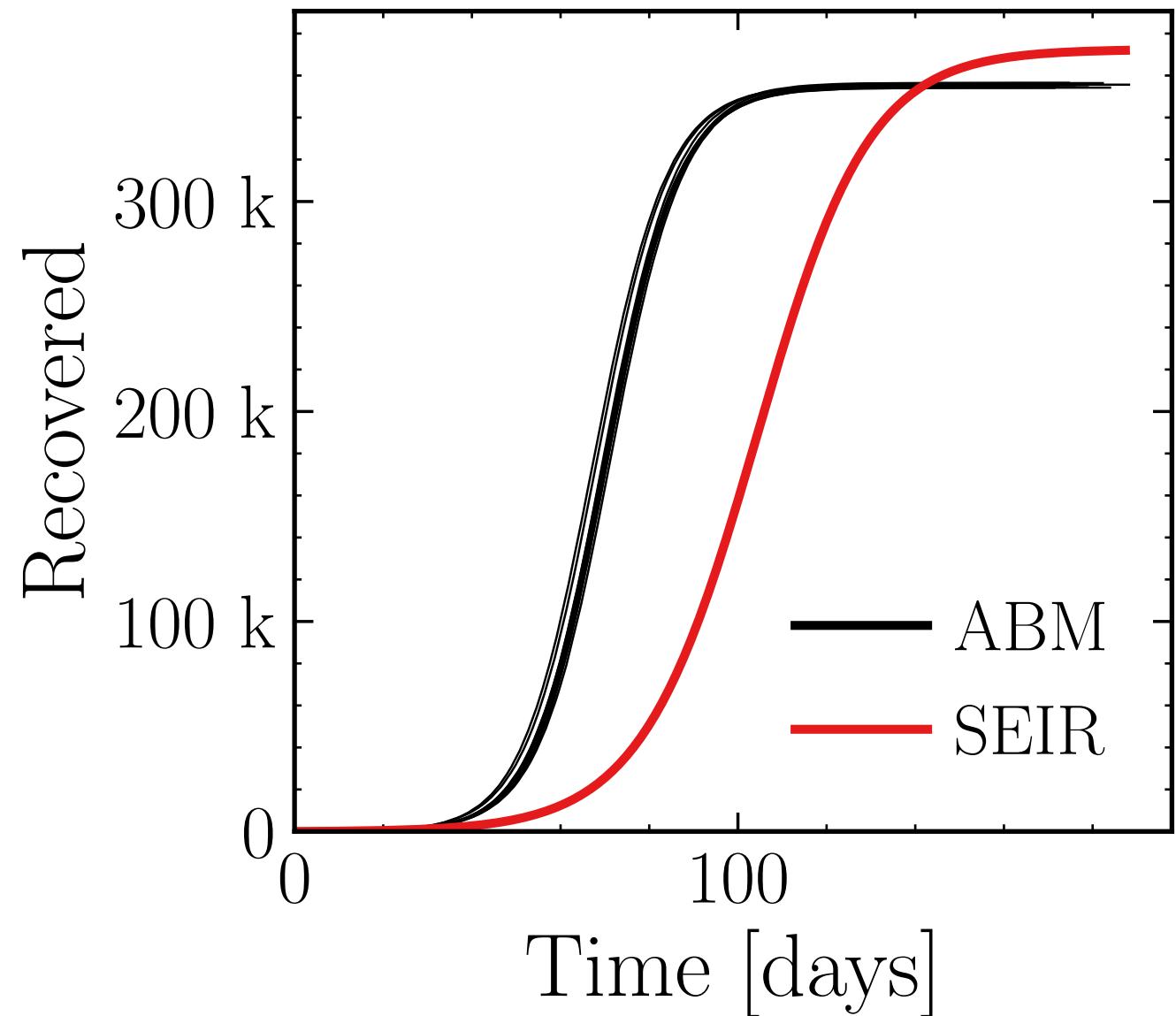
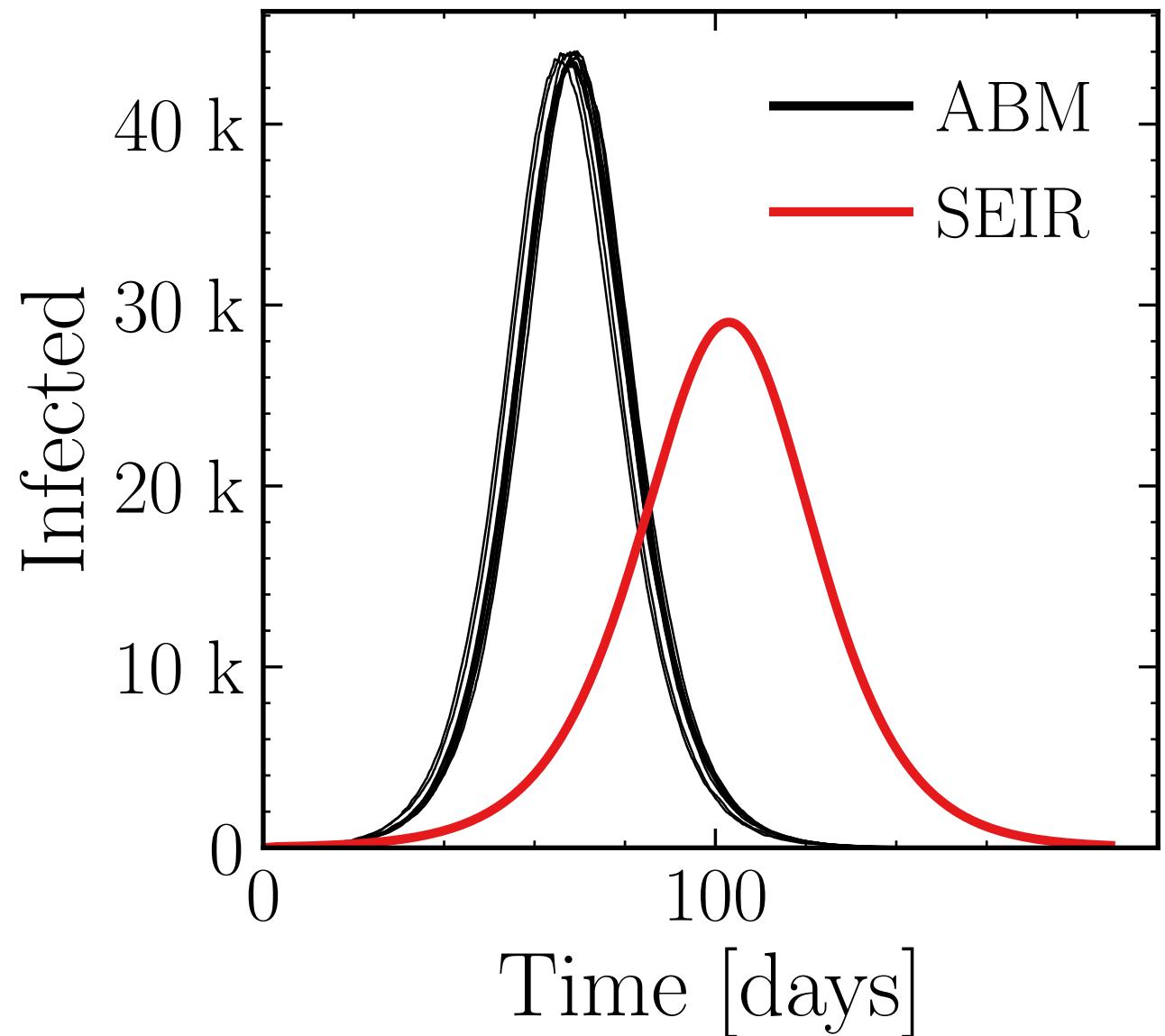
$$R_\infty^{\text{ABM}} = (351.1 \pm 0.09\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (43.67 \pm 0.21\%) \cdot 10^3$$

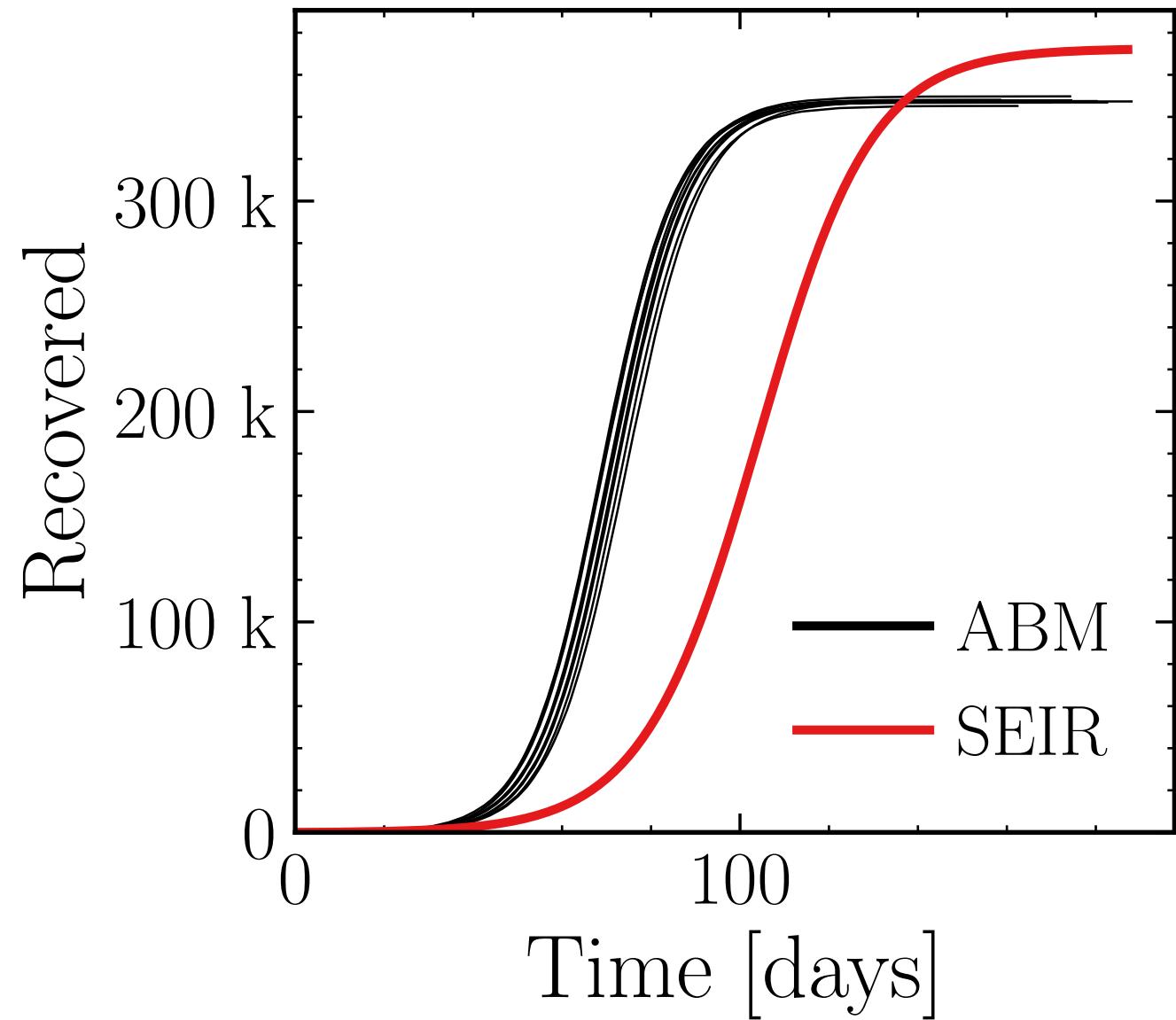
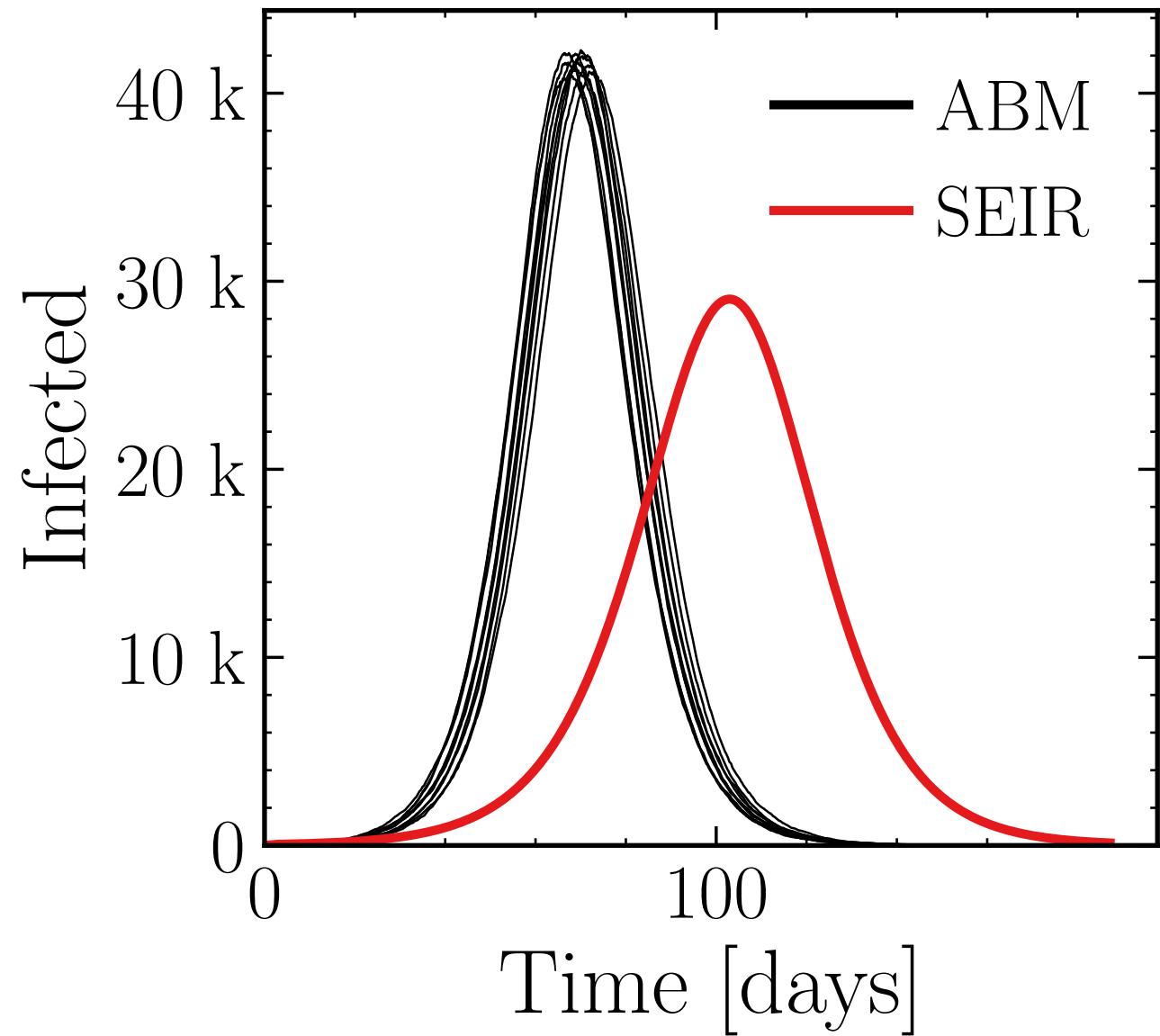
$$R_\infty^{\text{ABM}} = (355.2 \pm 0.07\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.7 \pm 0.33\%) \cdot 10^3$$

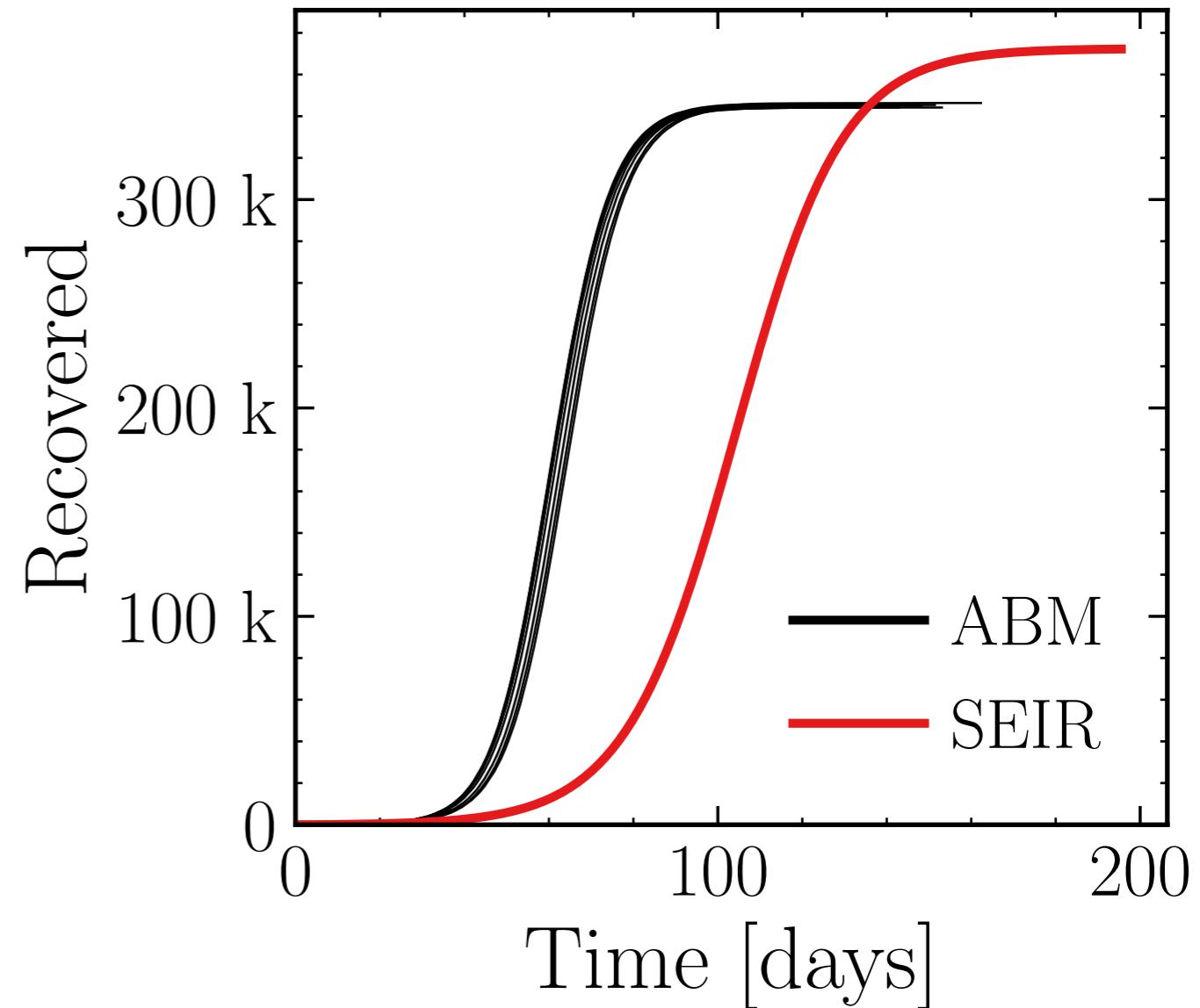
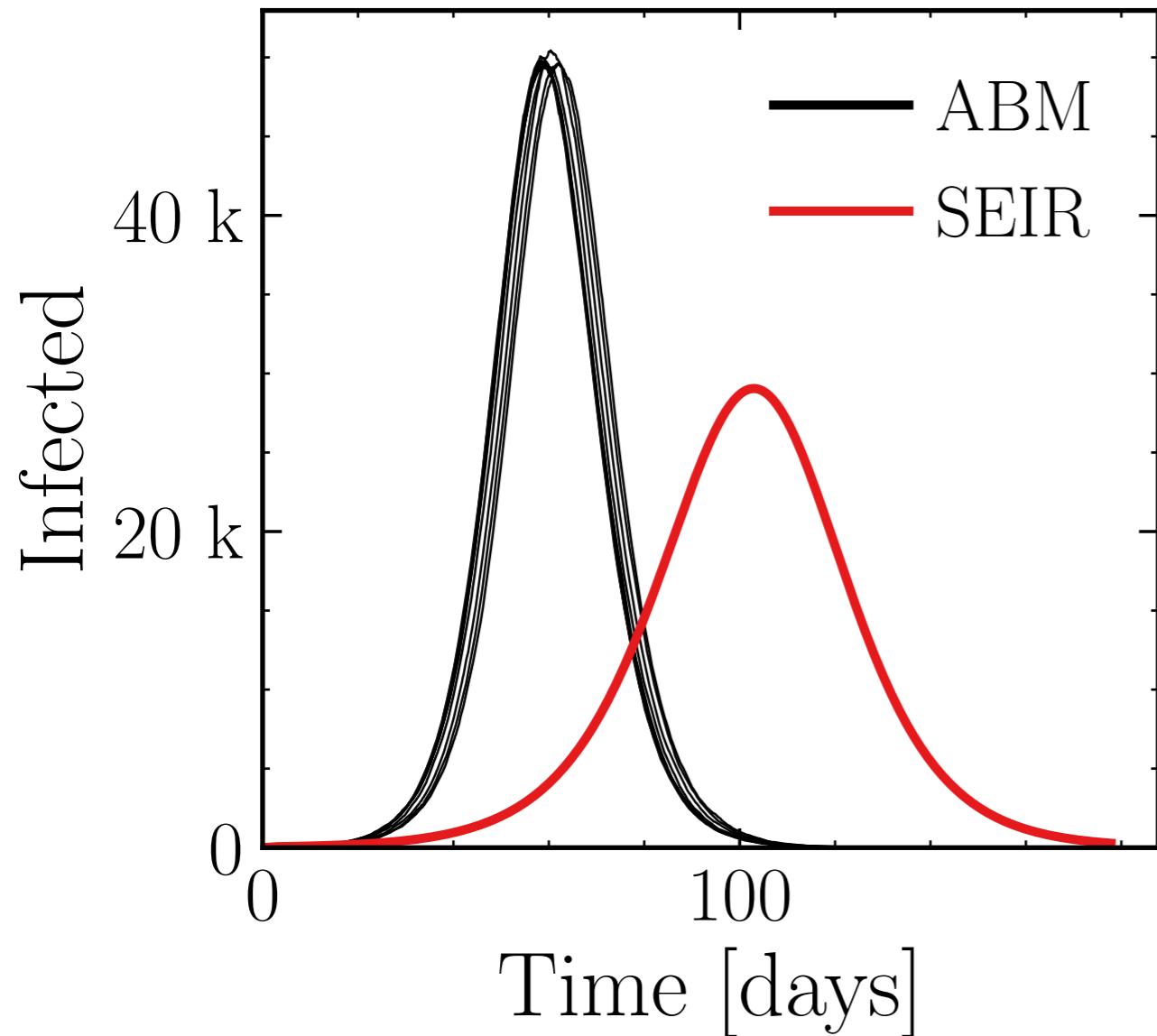
$$R_\infty^{\text{ABM}} = (347.4 \pm 0.099\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (49.77 \pm 0.18\%) \cdot 10^3$$

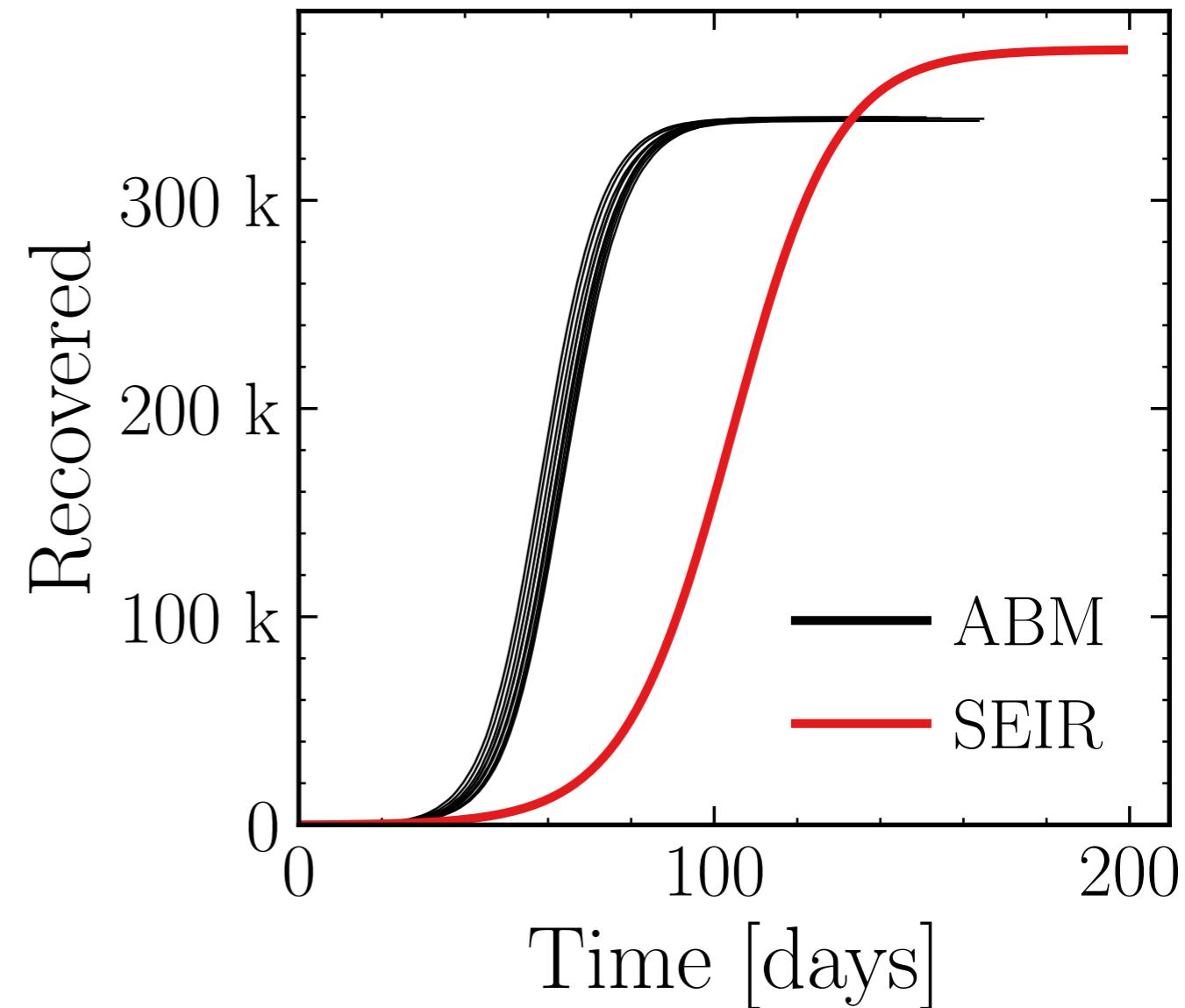
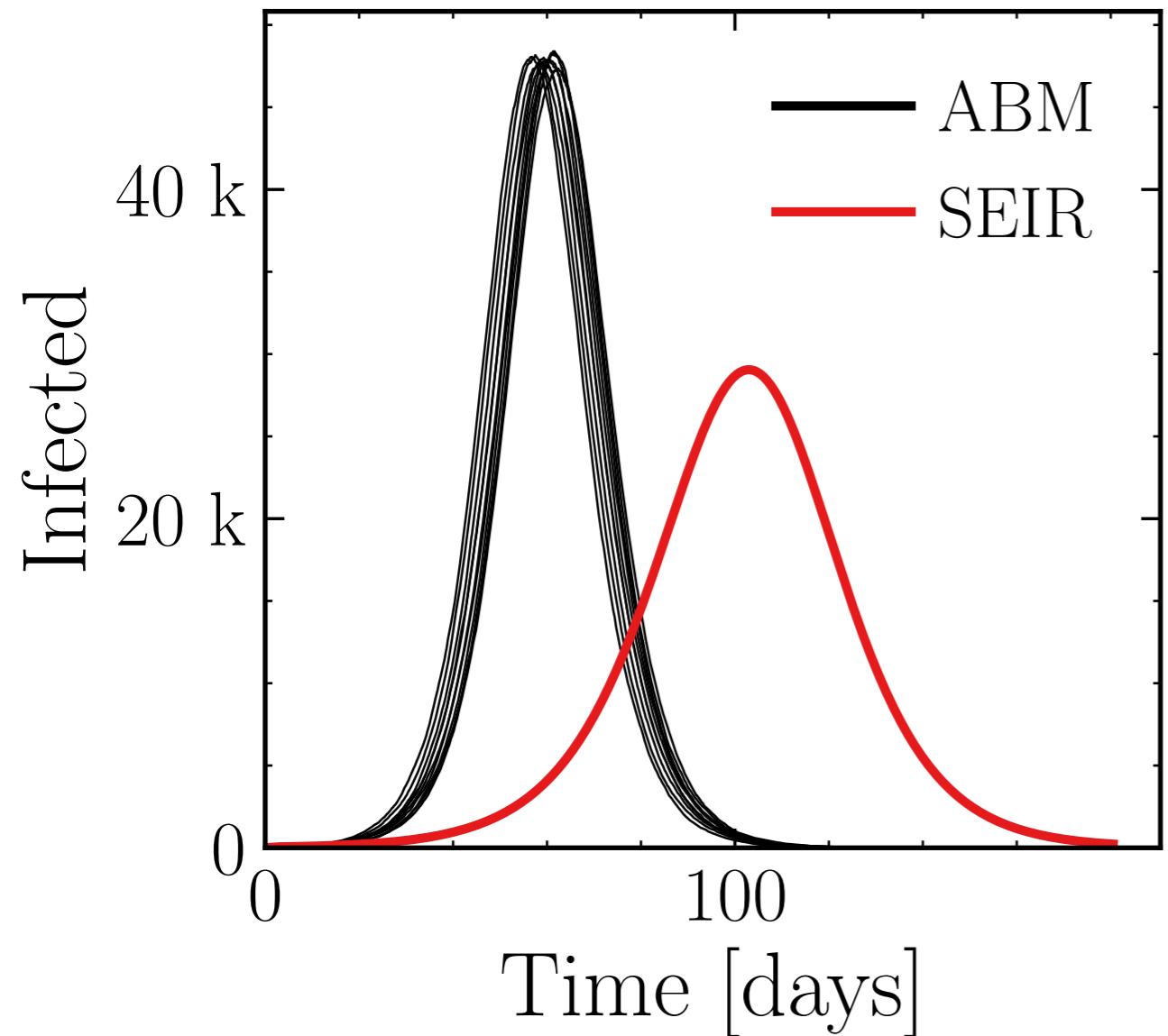
$$R_\infty^{\text{ABM}} = (345.3 \pm 0.063\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

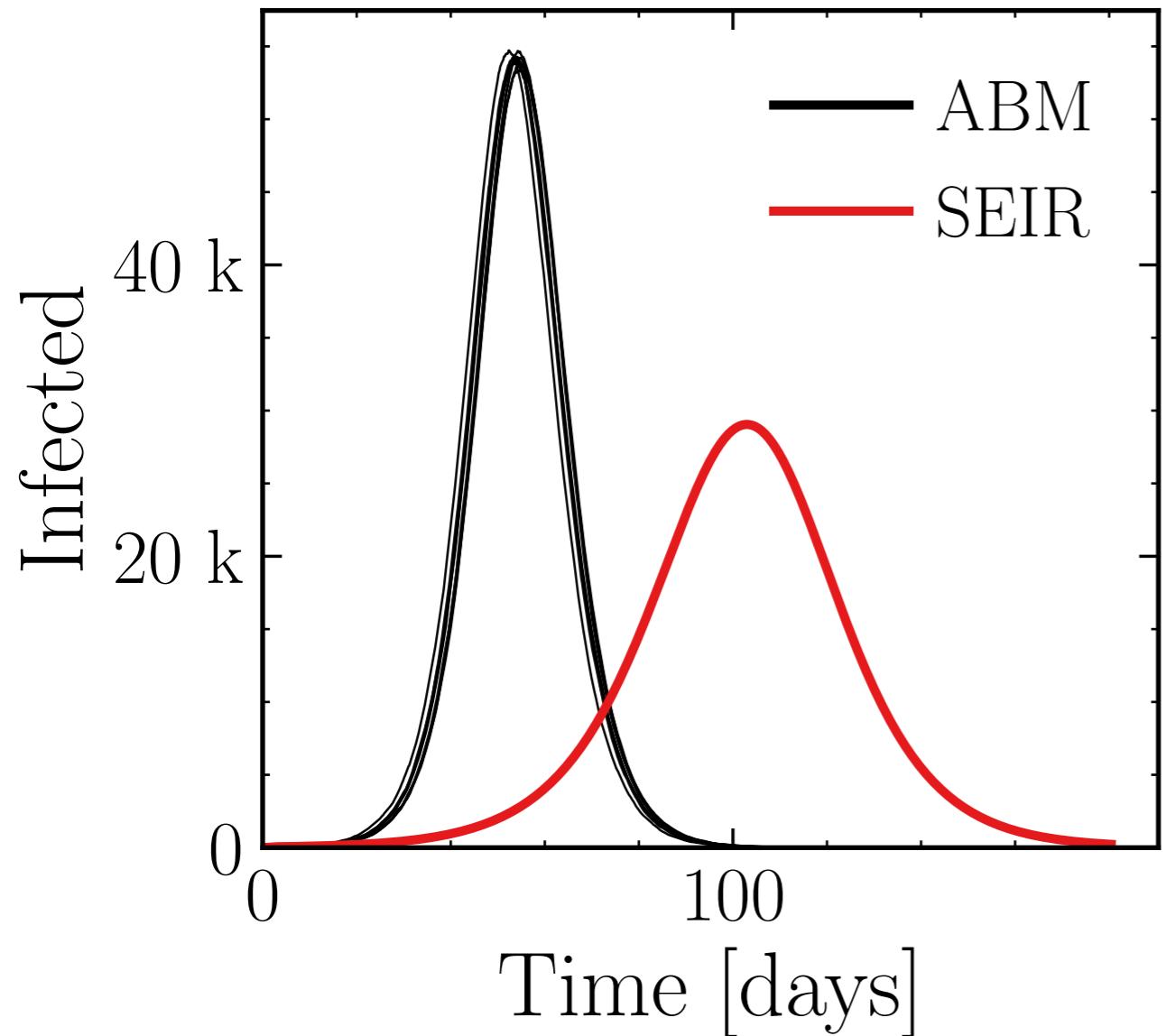
$$I_{\max}^{\text{ABM}} = (47.95 \pm 0.19\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (339.3 \pm 0.05\%) \cdot 10^3$$

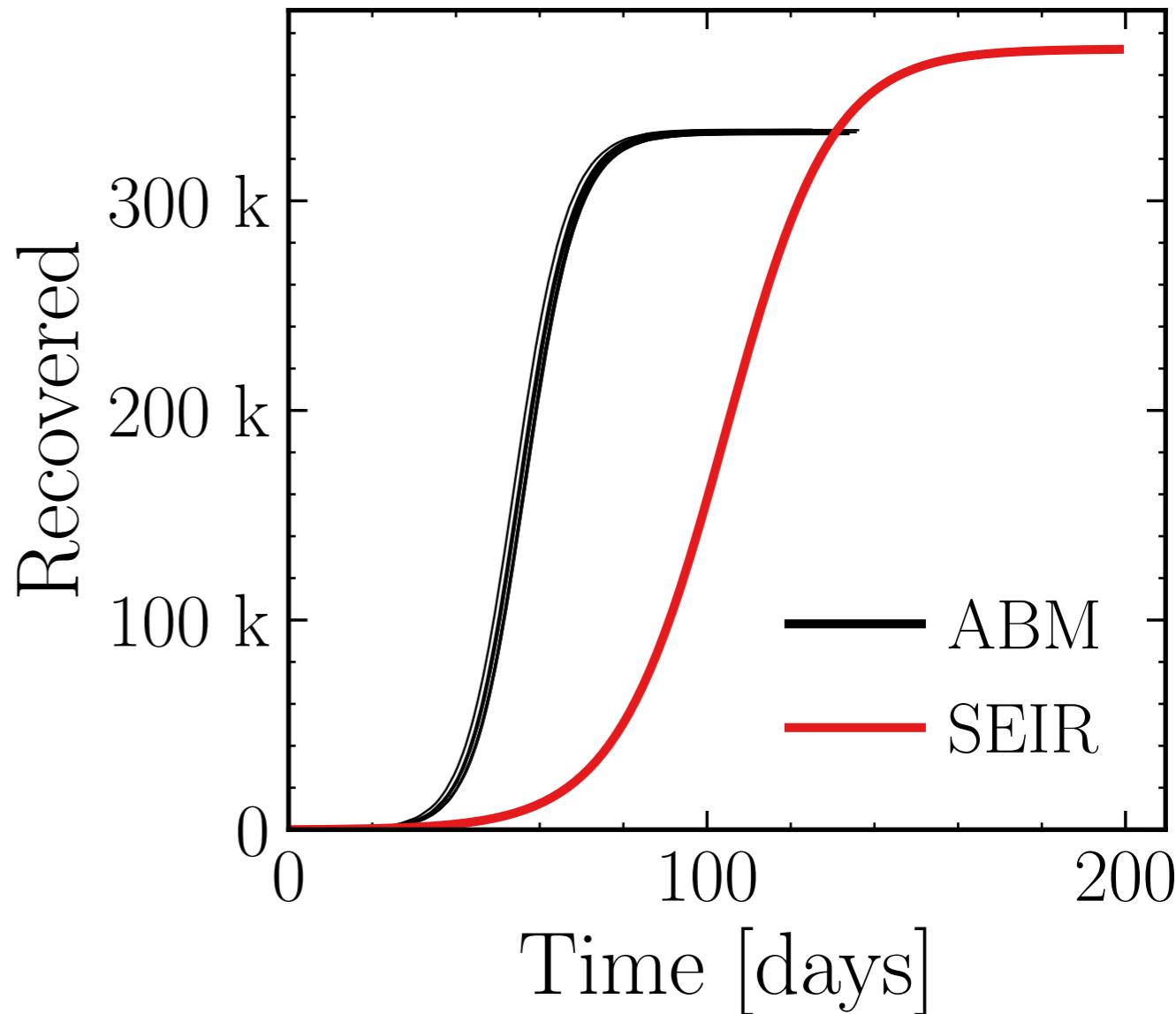


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (54.2 \pm 0.22\%) \cdot 10^3$$



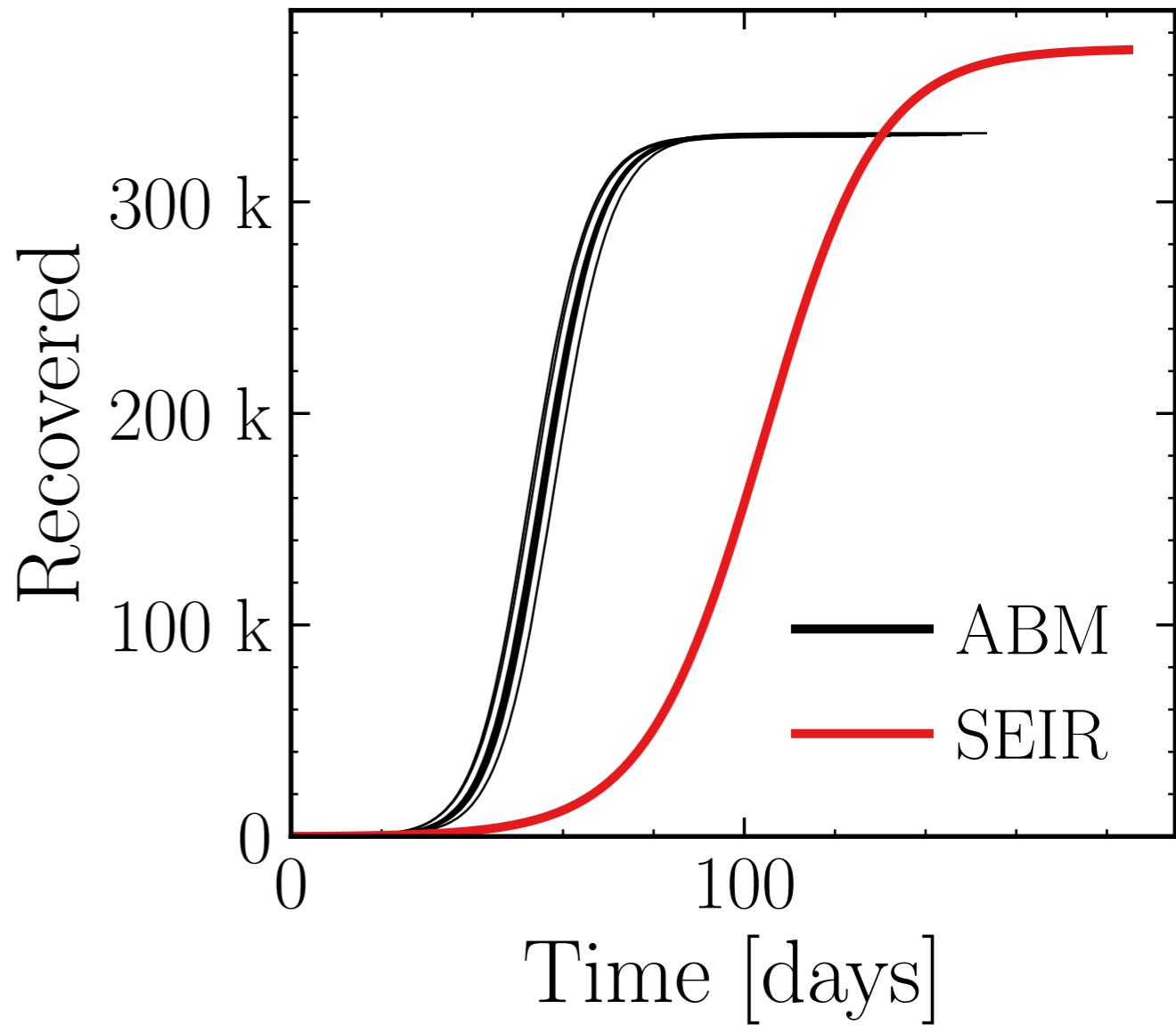
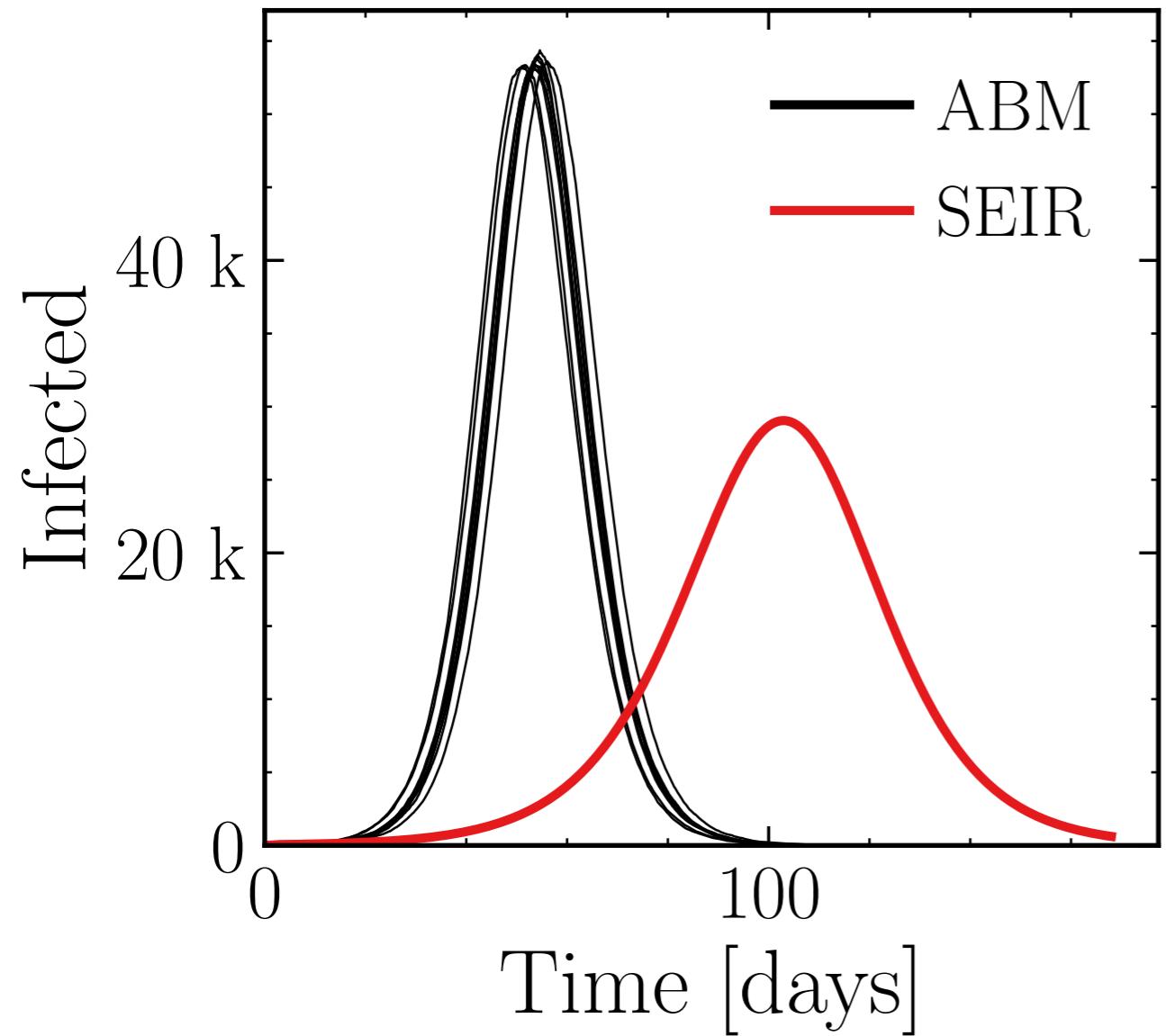
$$R_\infty^{\text{ABM}} = (333.1 \pm 0.069\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

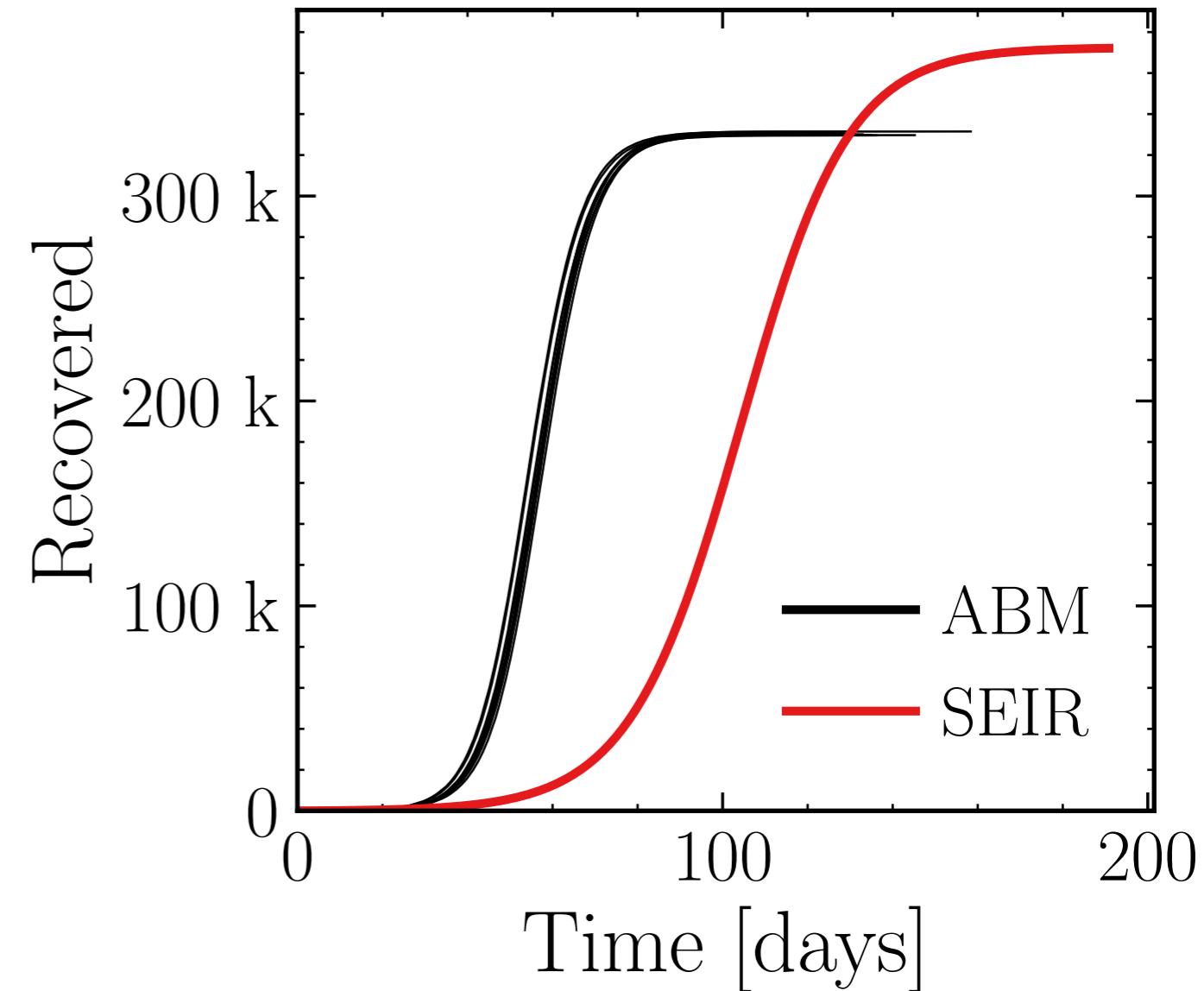
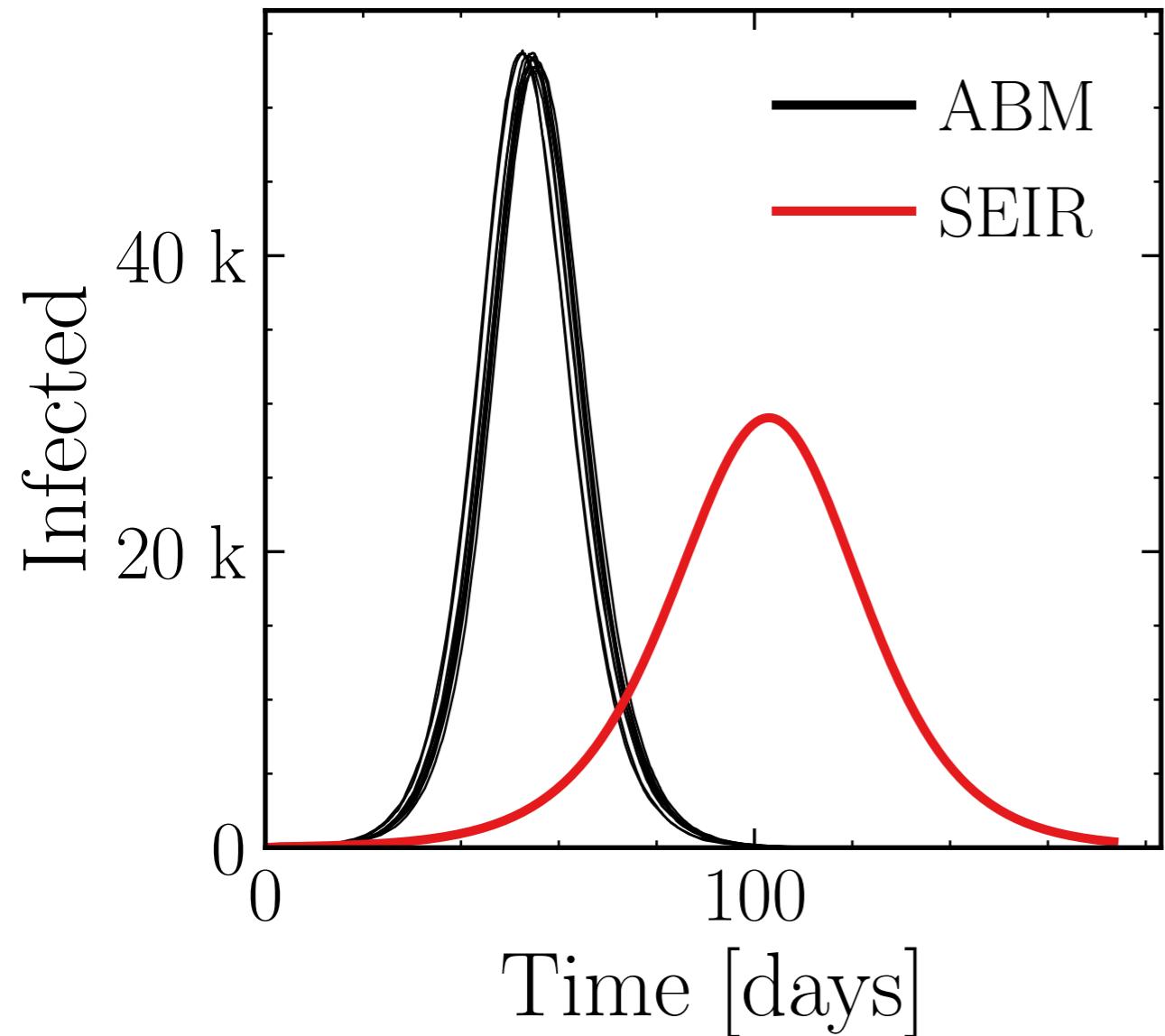
$$I_{\max}^{\text{ABM}} = (53.5 \pm 0.23\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (331.7 \pm 0.046\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (53.3 \pm 0.26\%) \cdot 10^3$$

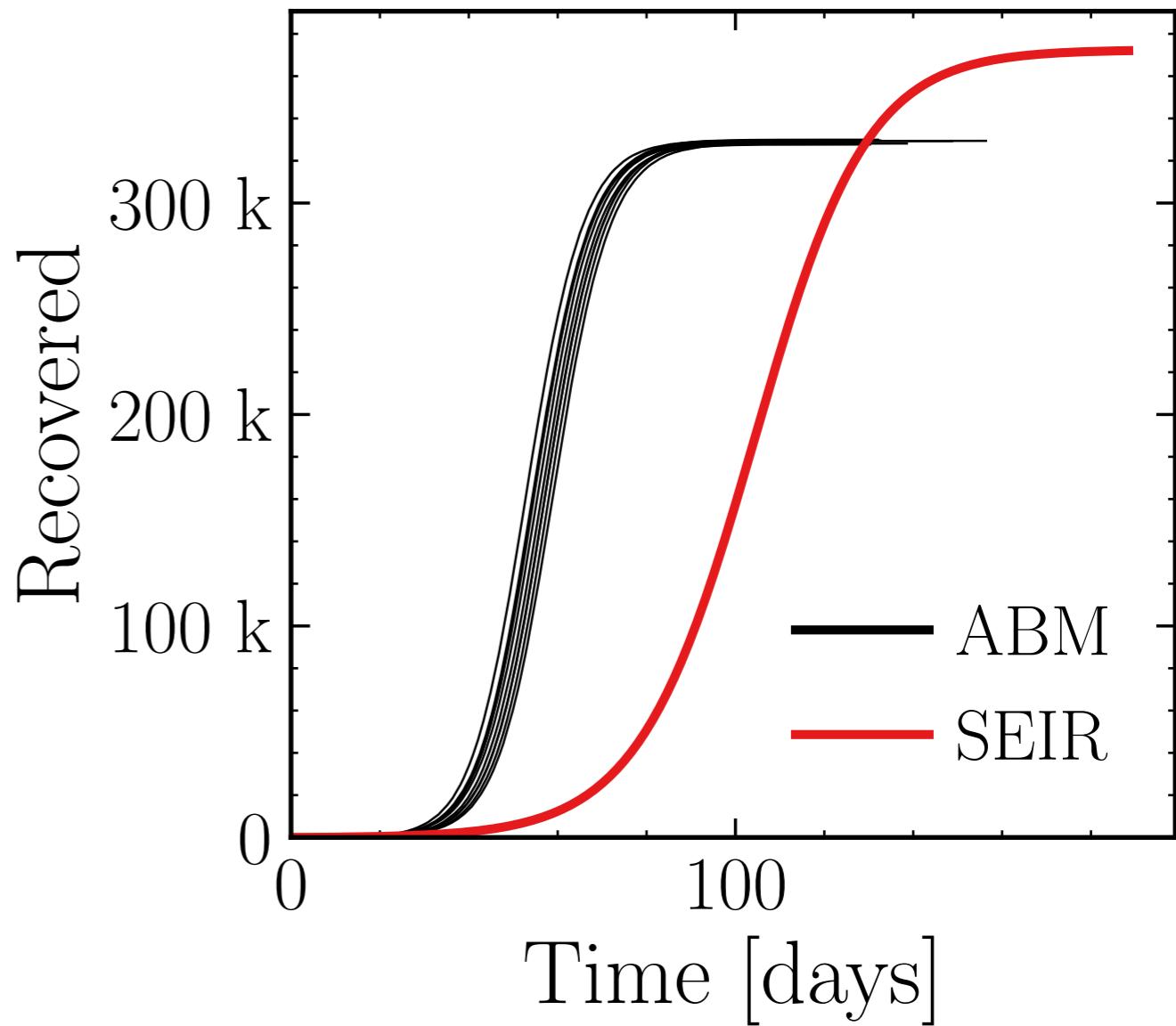
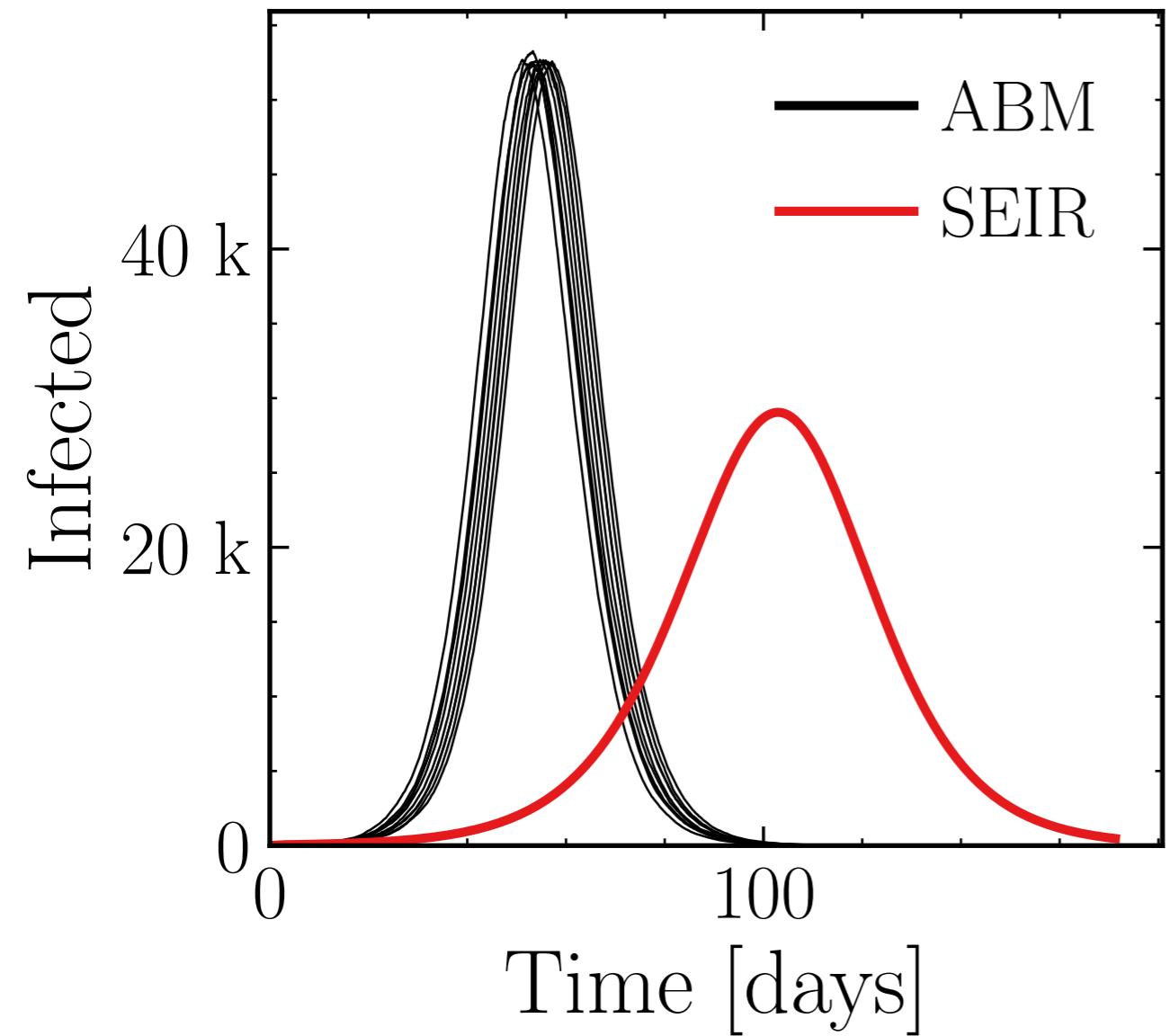


$$R_{\infty}^{\text{ABM}} = (330.4 \pm 0.061\%) \cdot 10^3$$

$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (52.64 \pm 0.14\%) \cdot 10^3$$

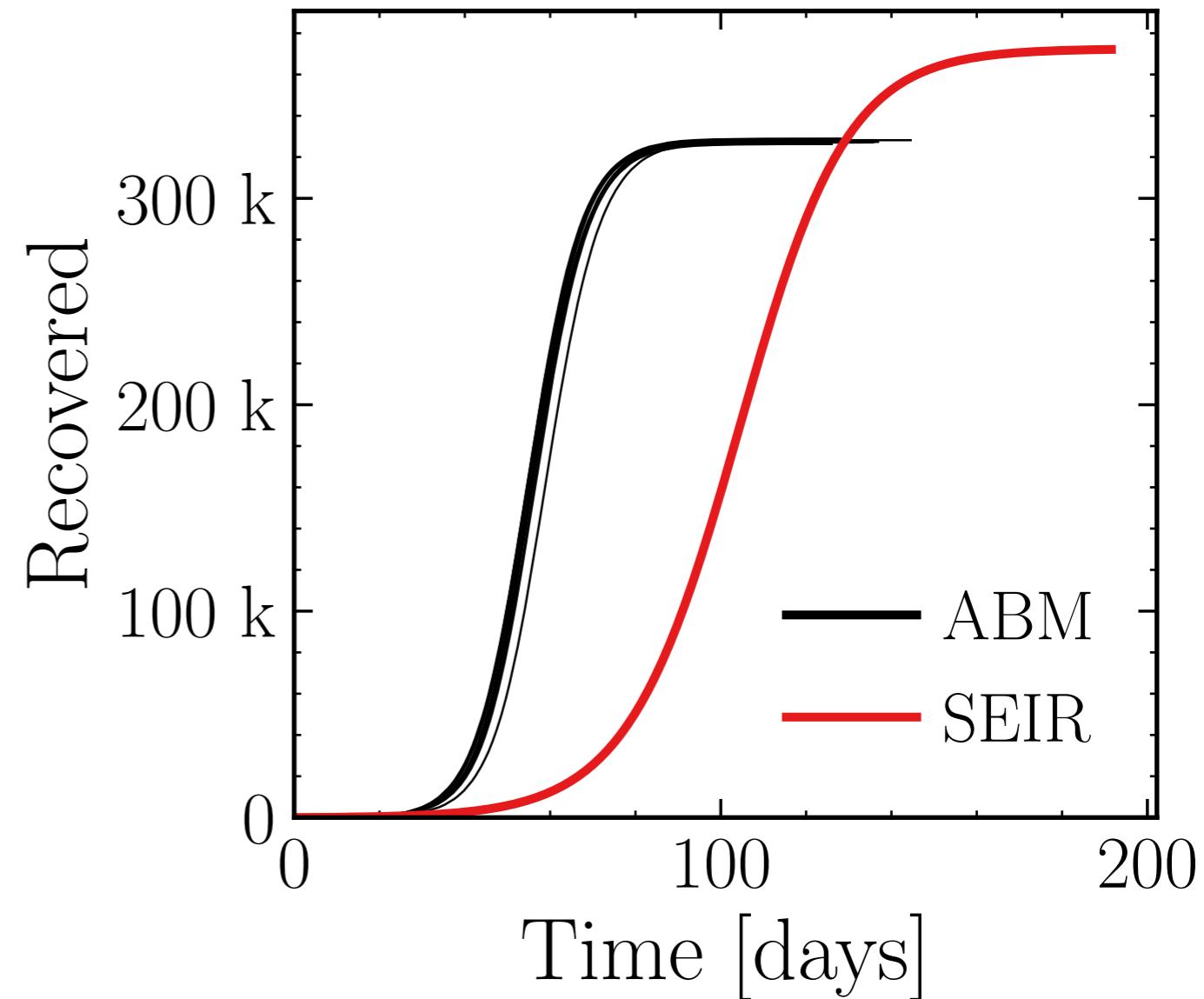
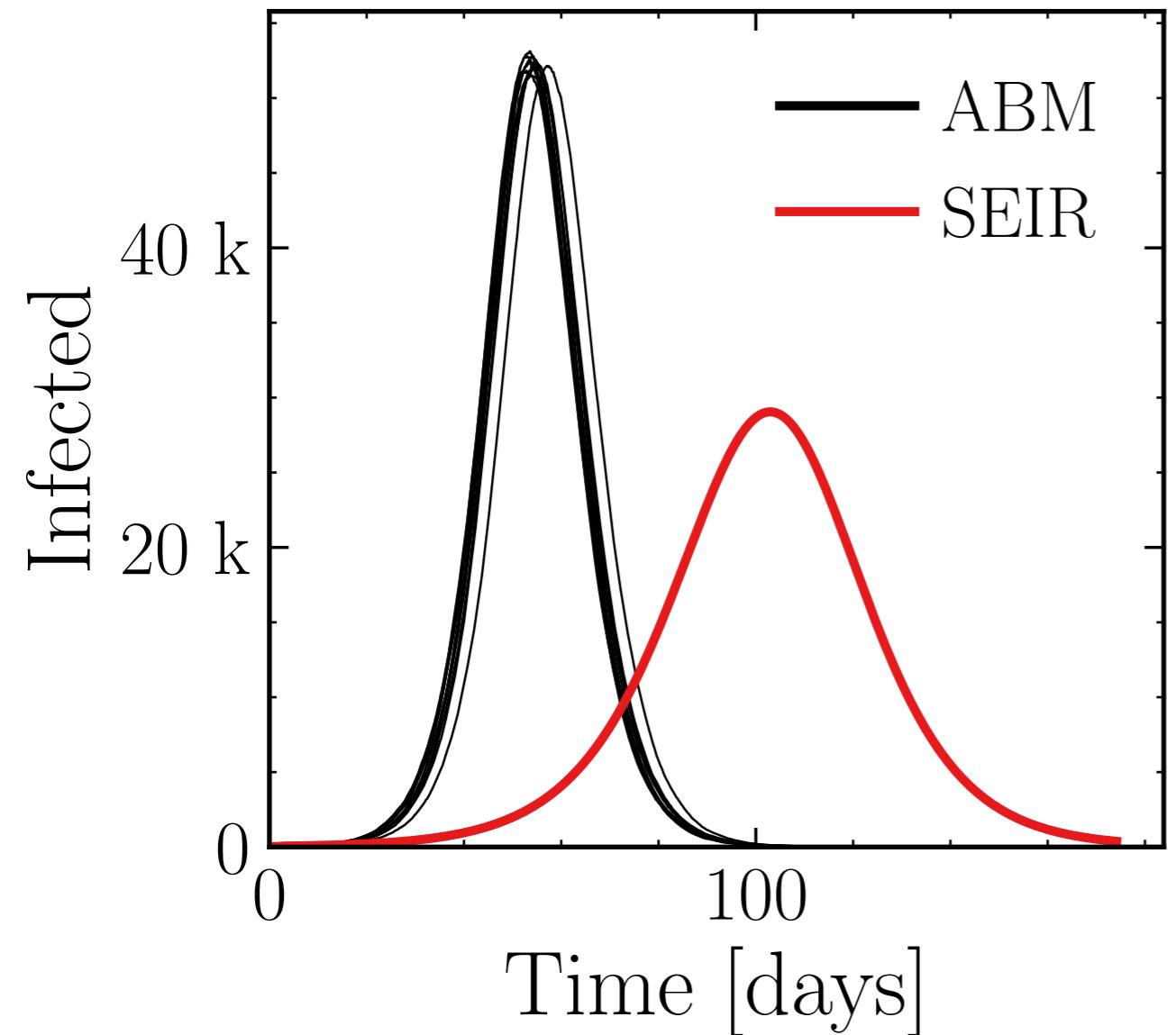
$$R_\infty^{\text{ABM}} = (328.9 \pm 0.063\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (52.3 \pm 0.28\%) \cdot 10^3$$

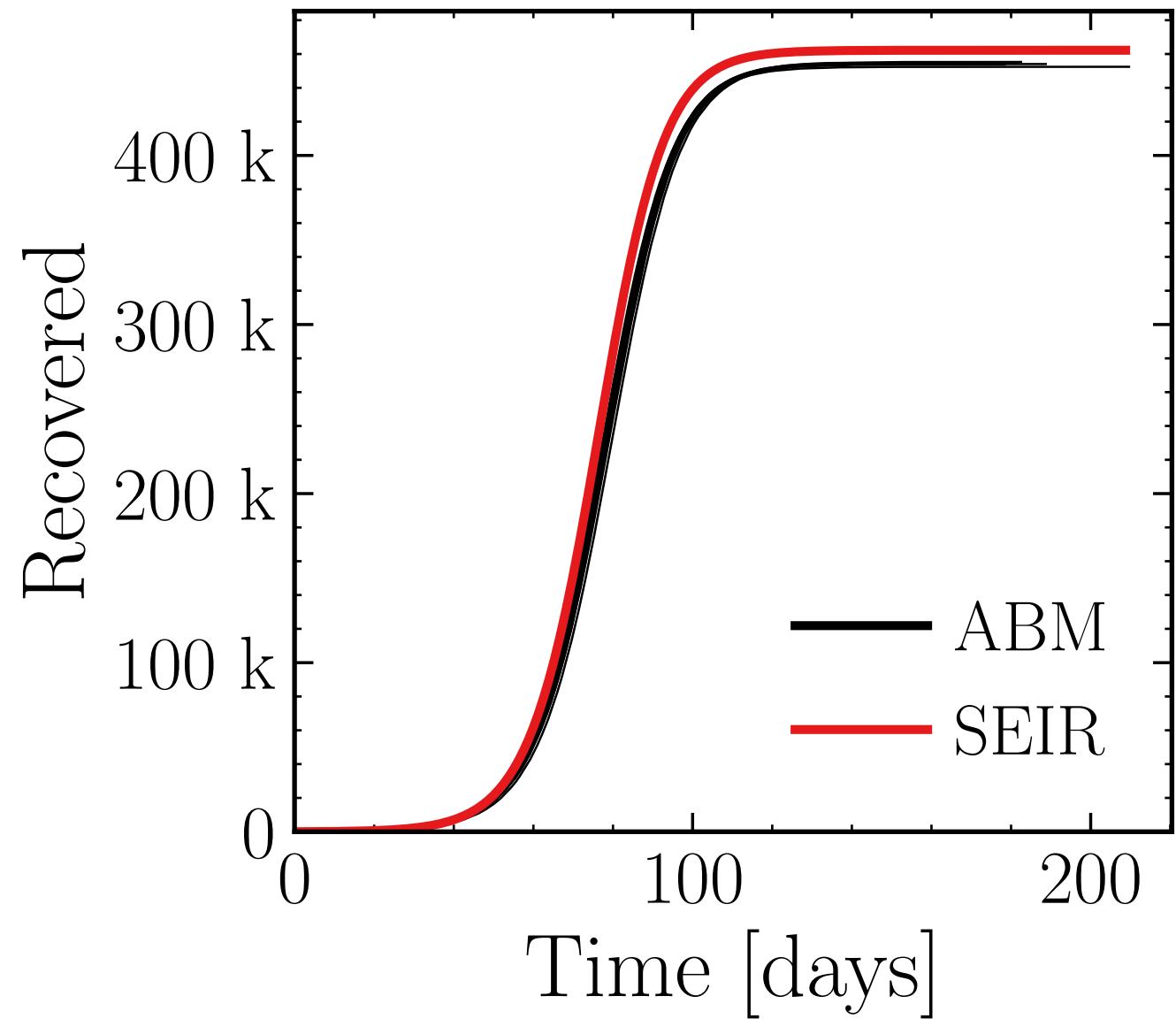
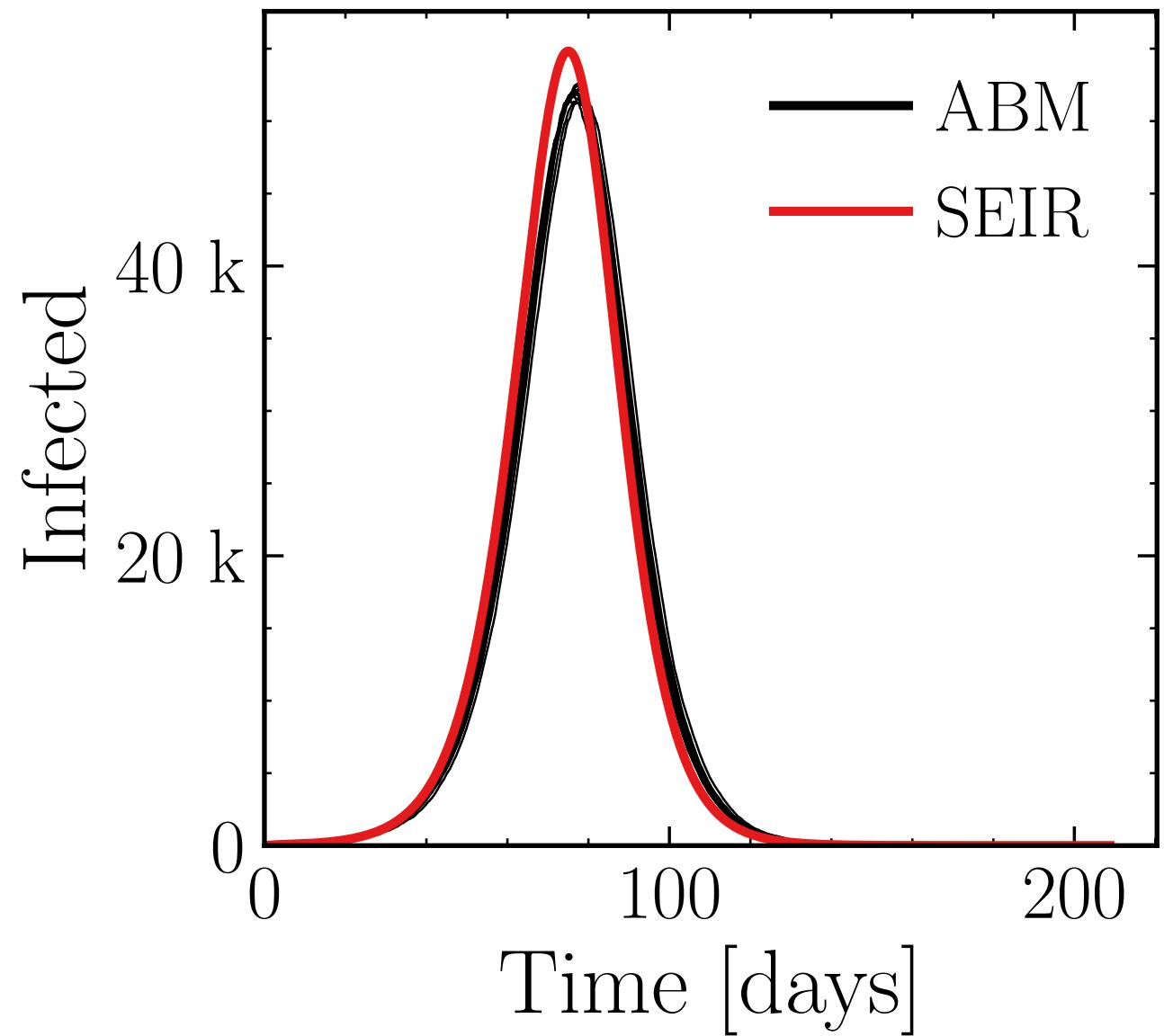
$$R_\infty^{\text{ABM}} = (327.6 \pm 0.068\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (52 \pm 0.24\%) \cdot 10^3$$

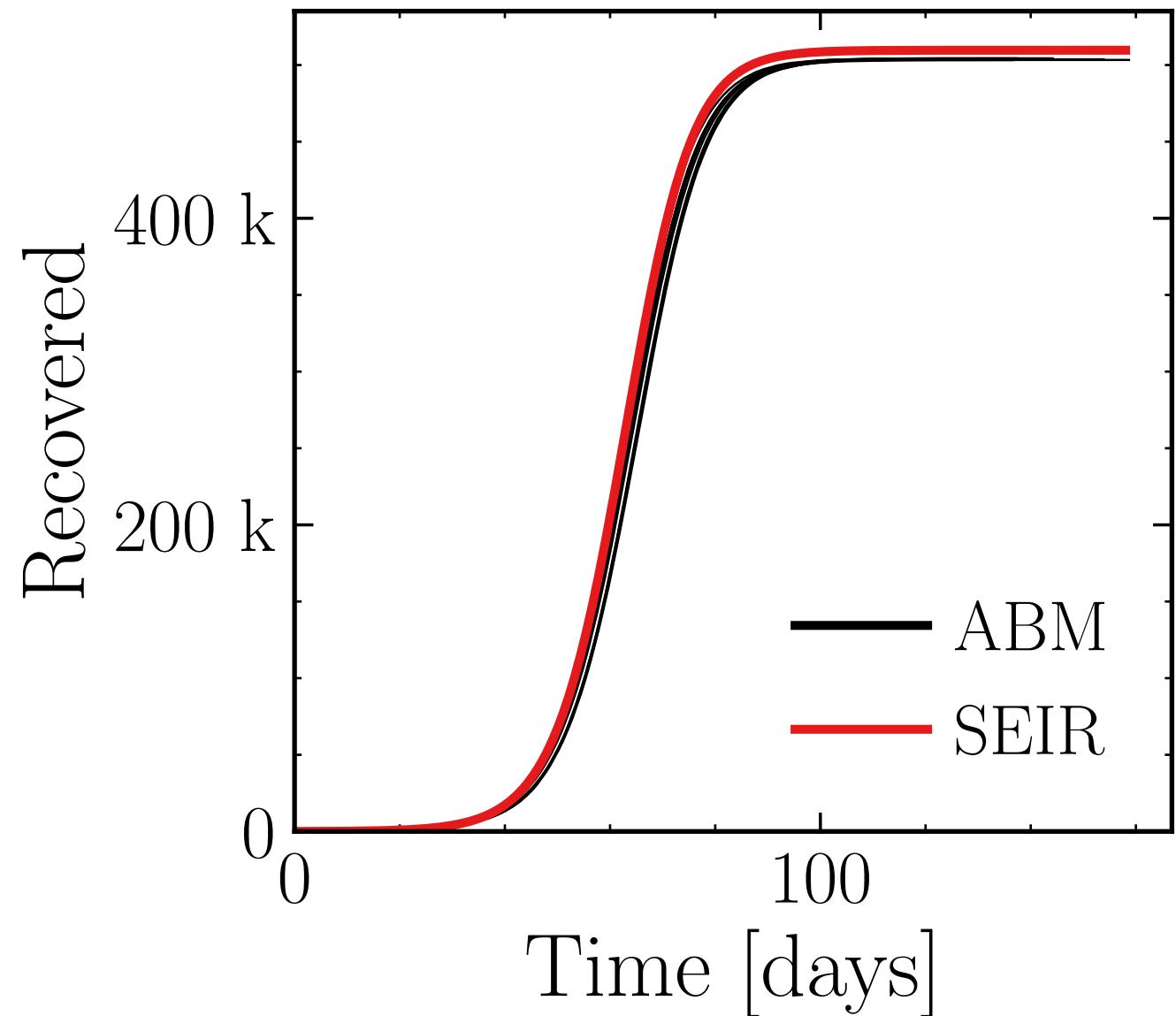
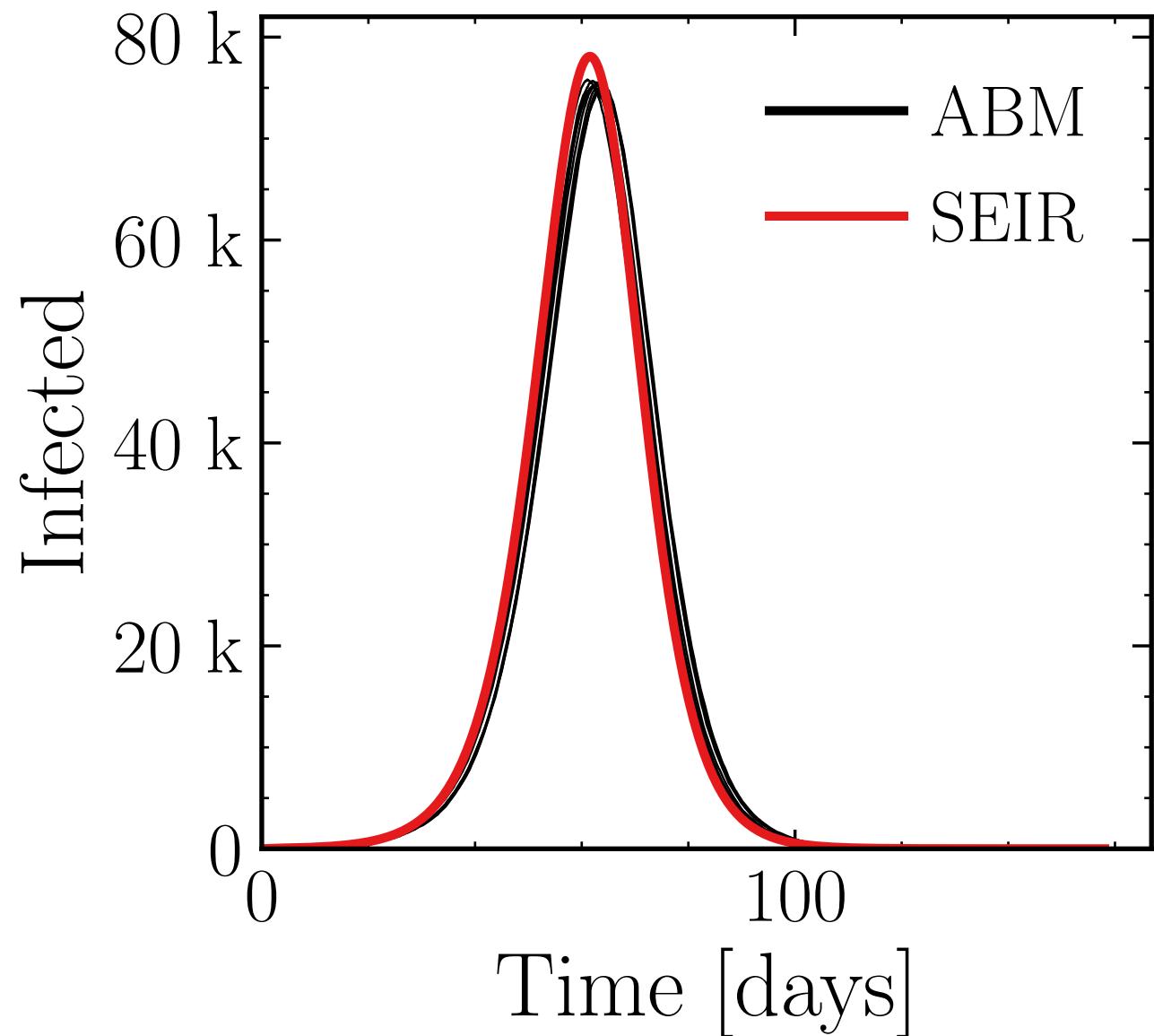
$$R_{\infty}^{\text{ABM}} = (454.3 \pm 0.052\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

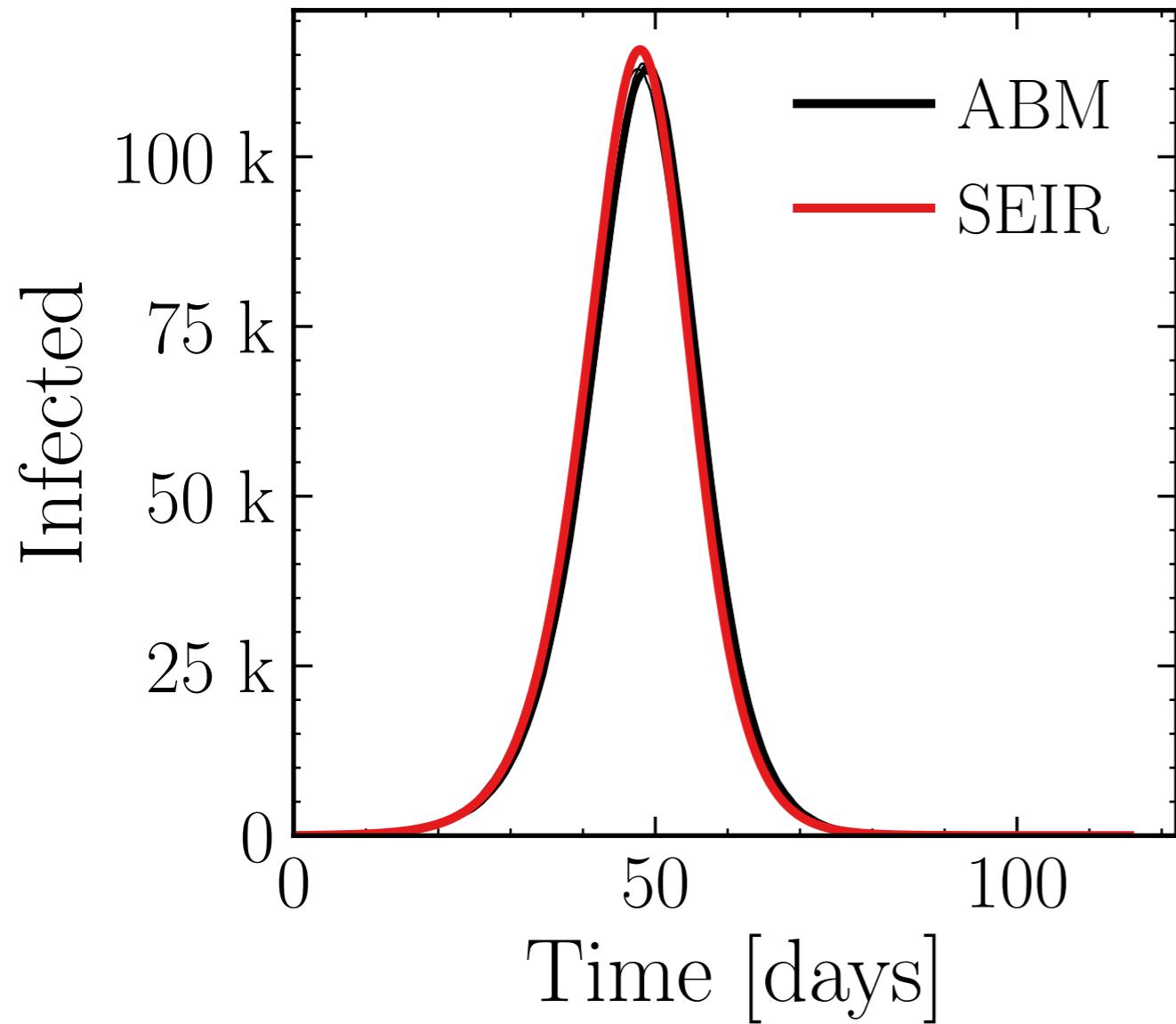
$$I_{\max}^{\text{ABM}} = (75.3 \pm 0.14\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (503.9 \pm 0.024\%) \cdot 10^3$$

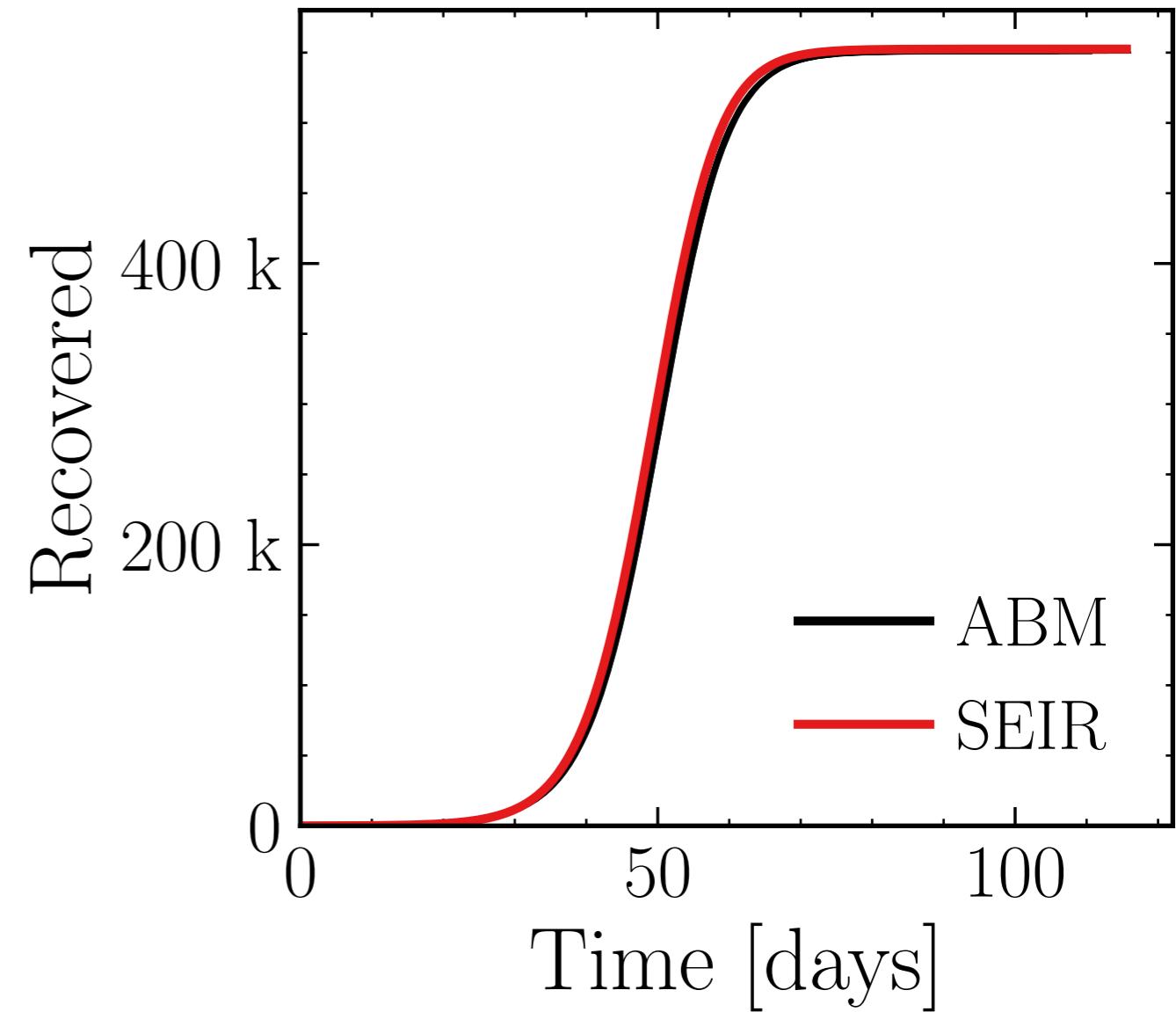


$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (113.1 \pm 0.12\%) \cdot 10^3$$



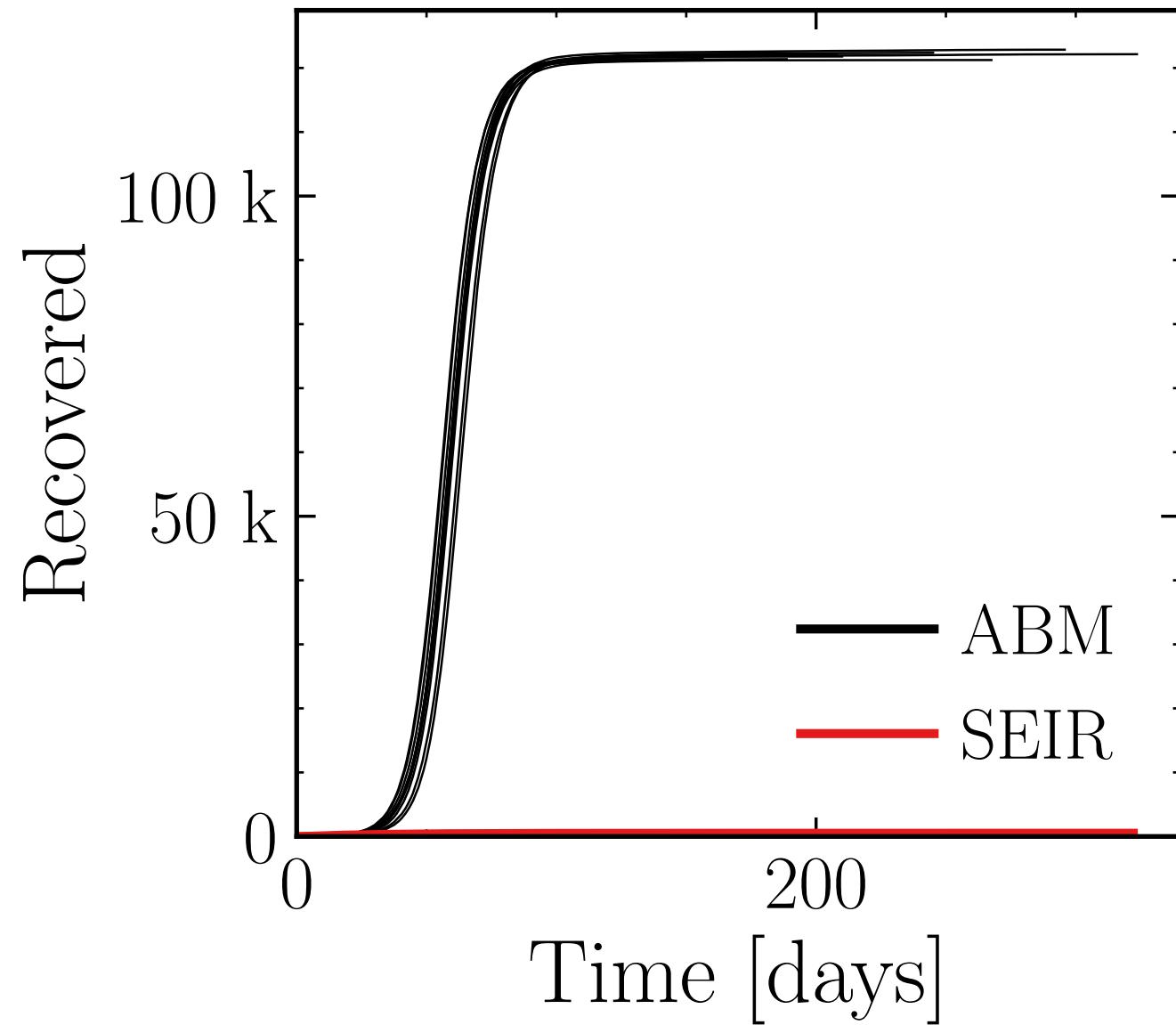
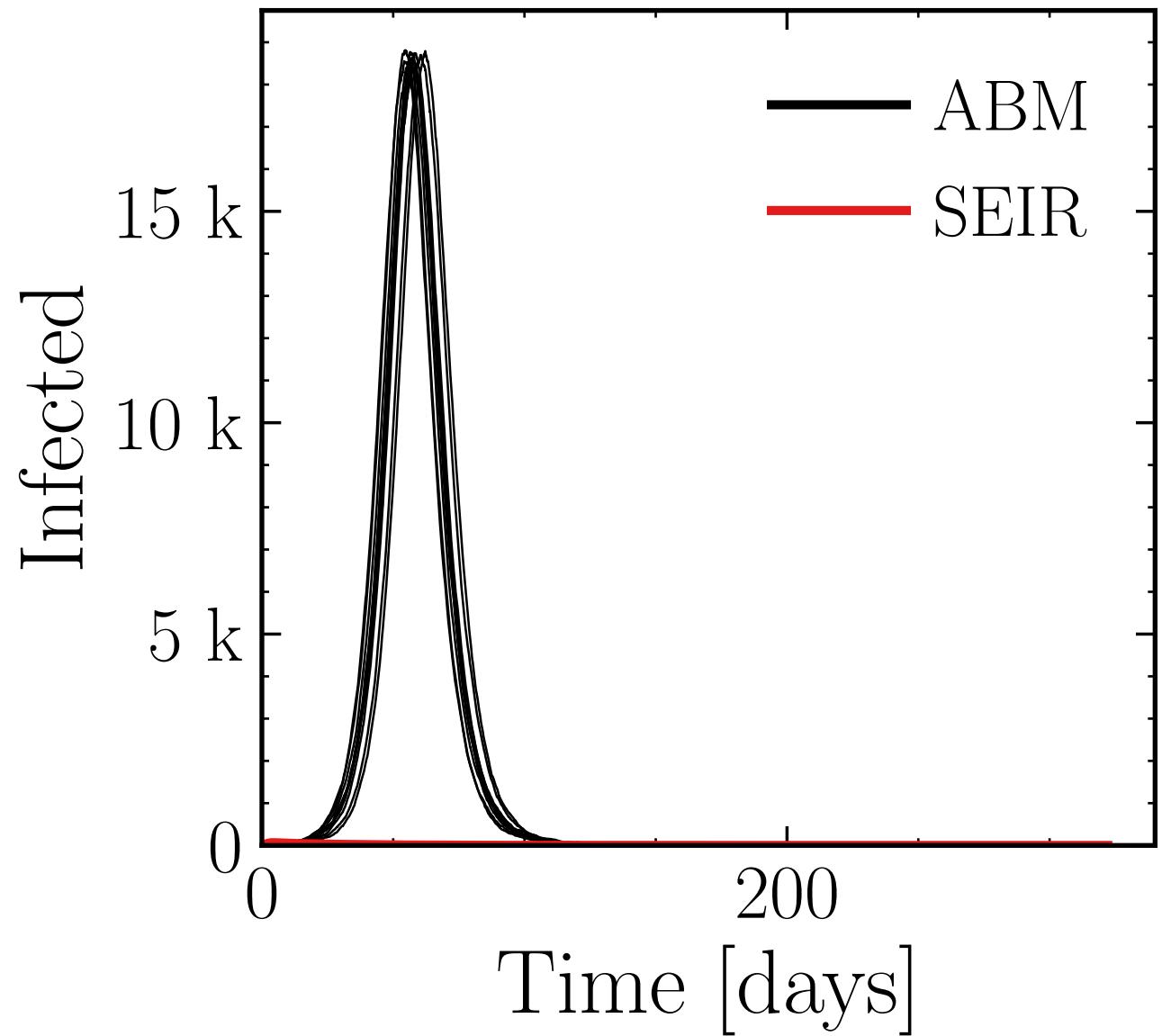
$$R_{\infty}^{\text{ABM}} = (549.9 \pm 0.015\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (18.66 \pm 0.21\%) \cdot 10^3$$

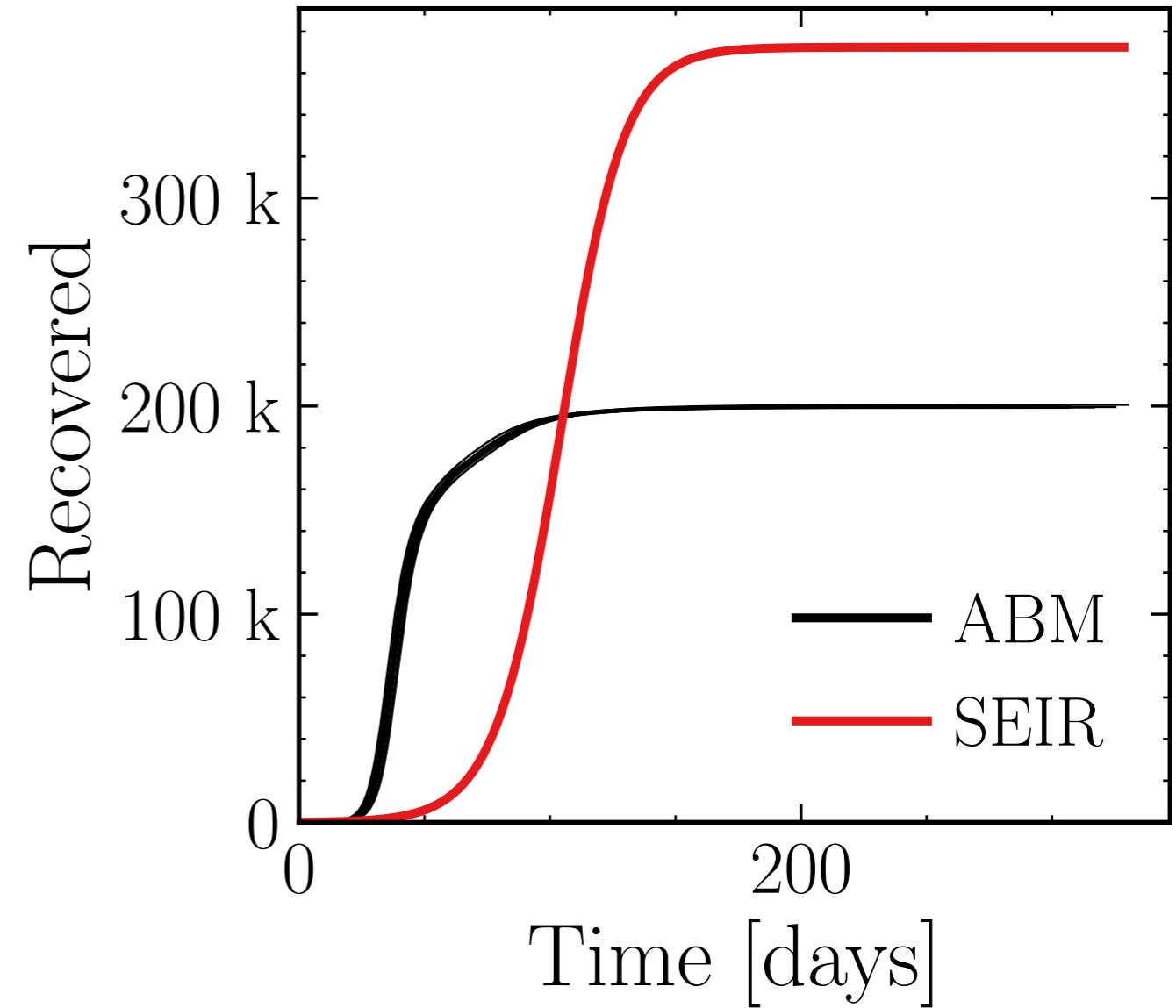
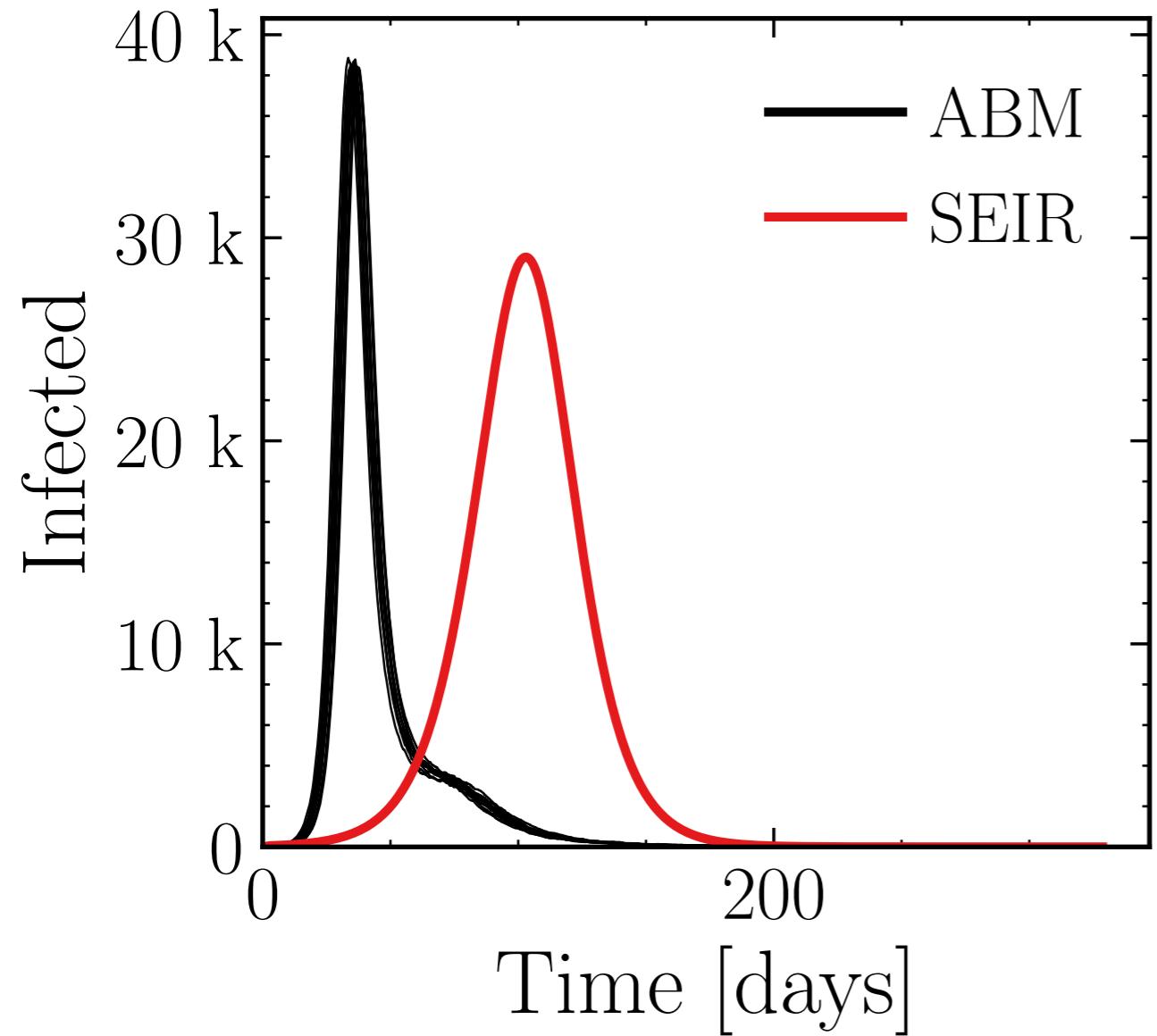
$$R_\infty^{\text{ABM}} = (121.9 \pm 0.12\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.15$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (38.5 \pm 0.16\%) \cdot 10^3$$

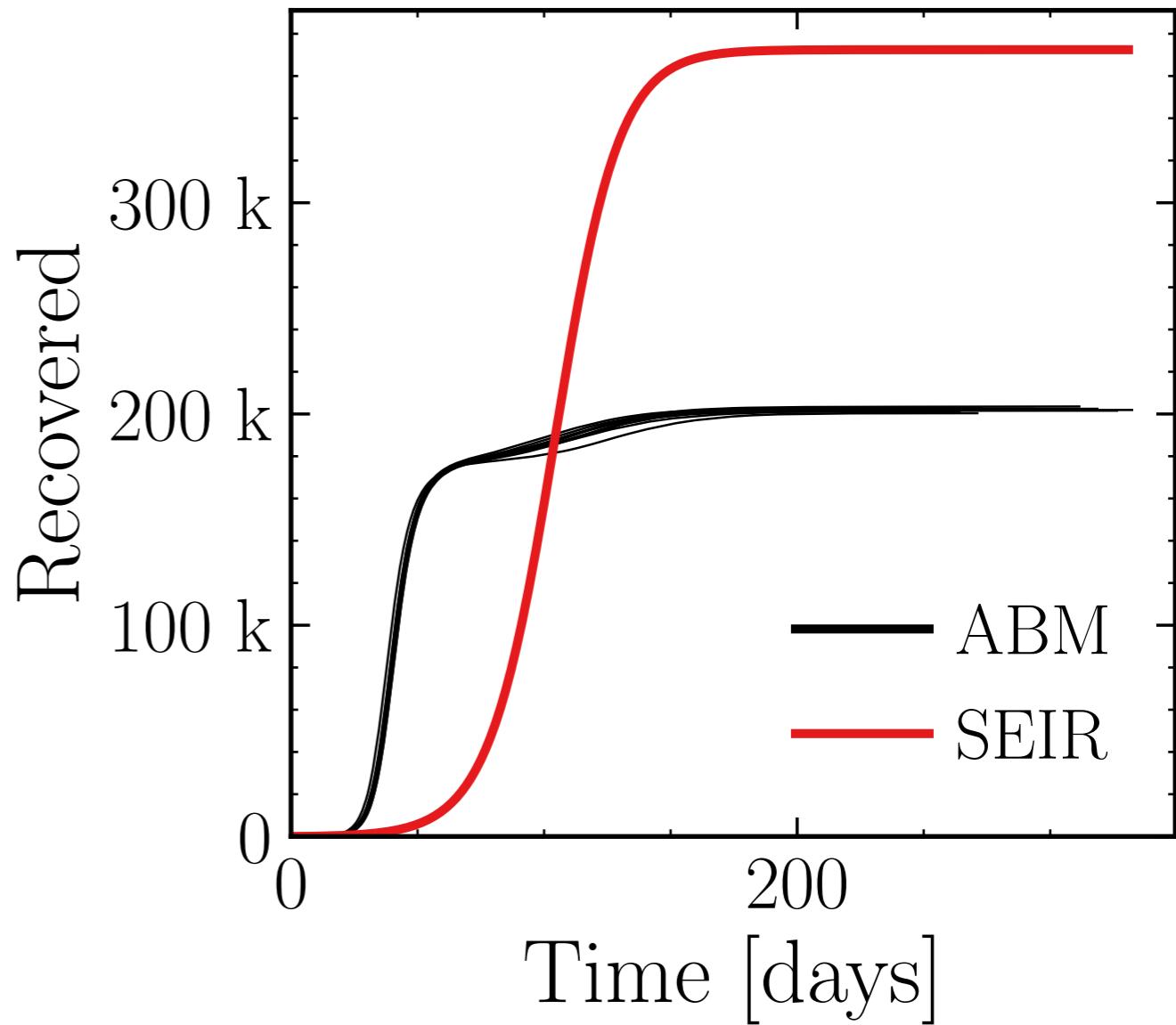
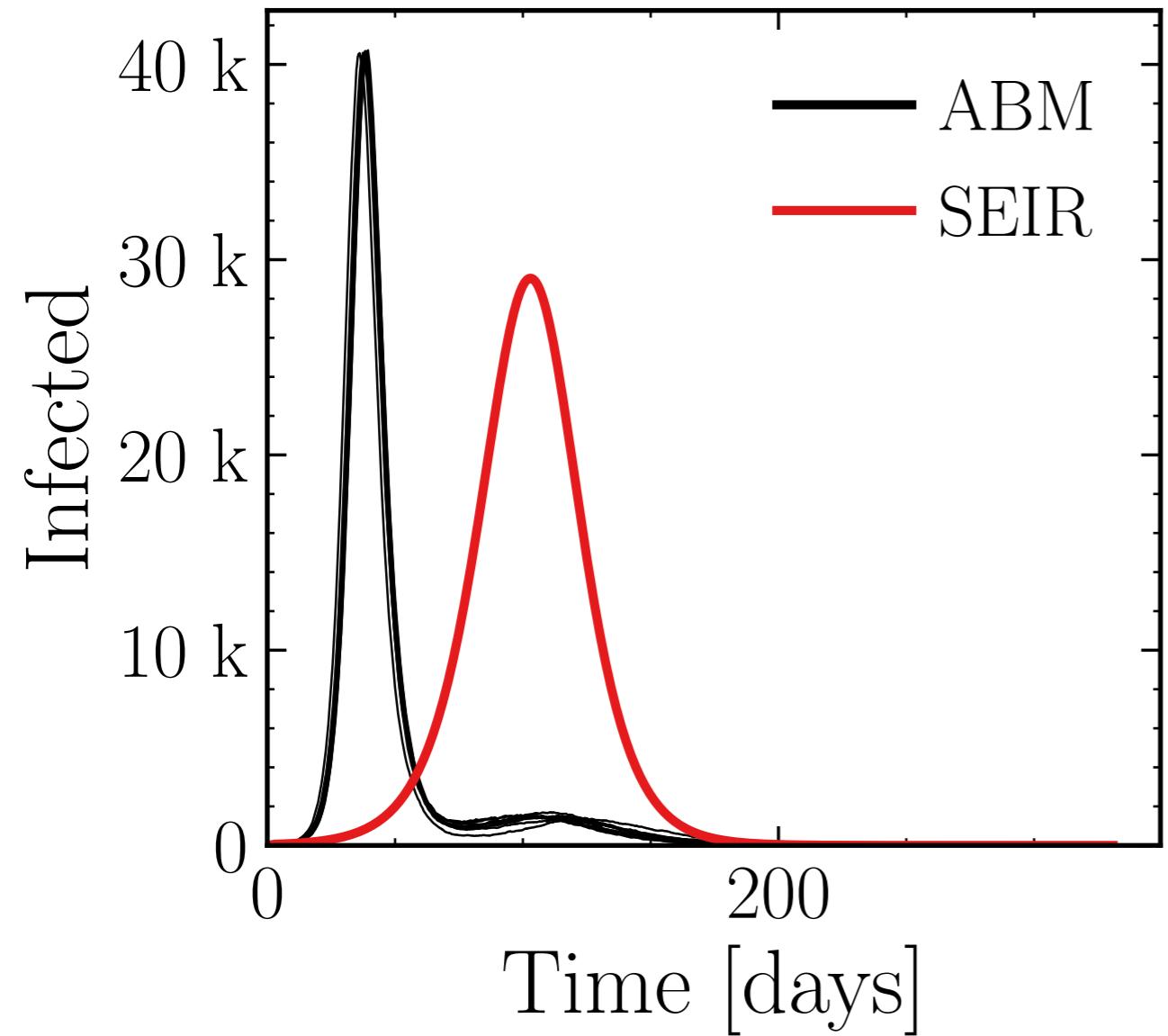
$$R_\infty^{\text{ABM}} = (200 \pm 0.076\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.005$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.52 \pm 0.14\%) \cdot 10^3$$

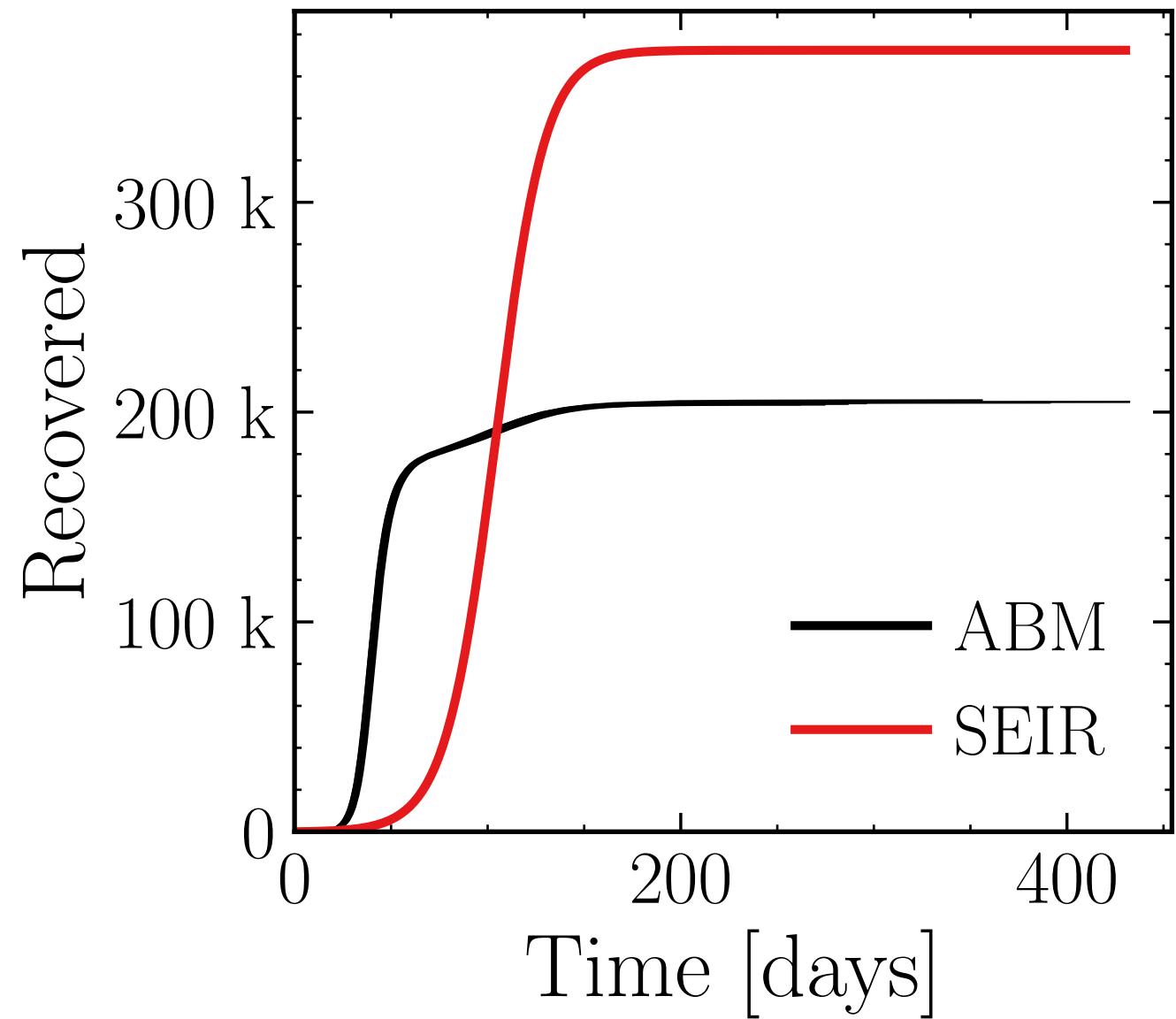
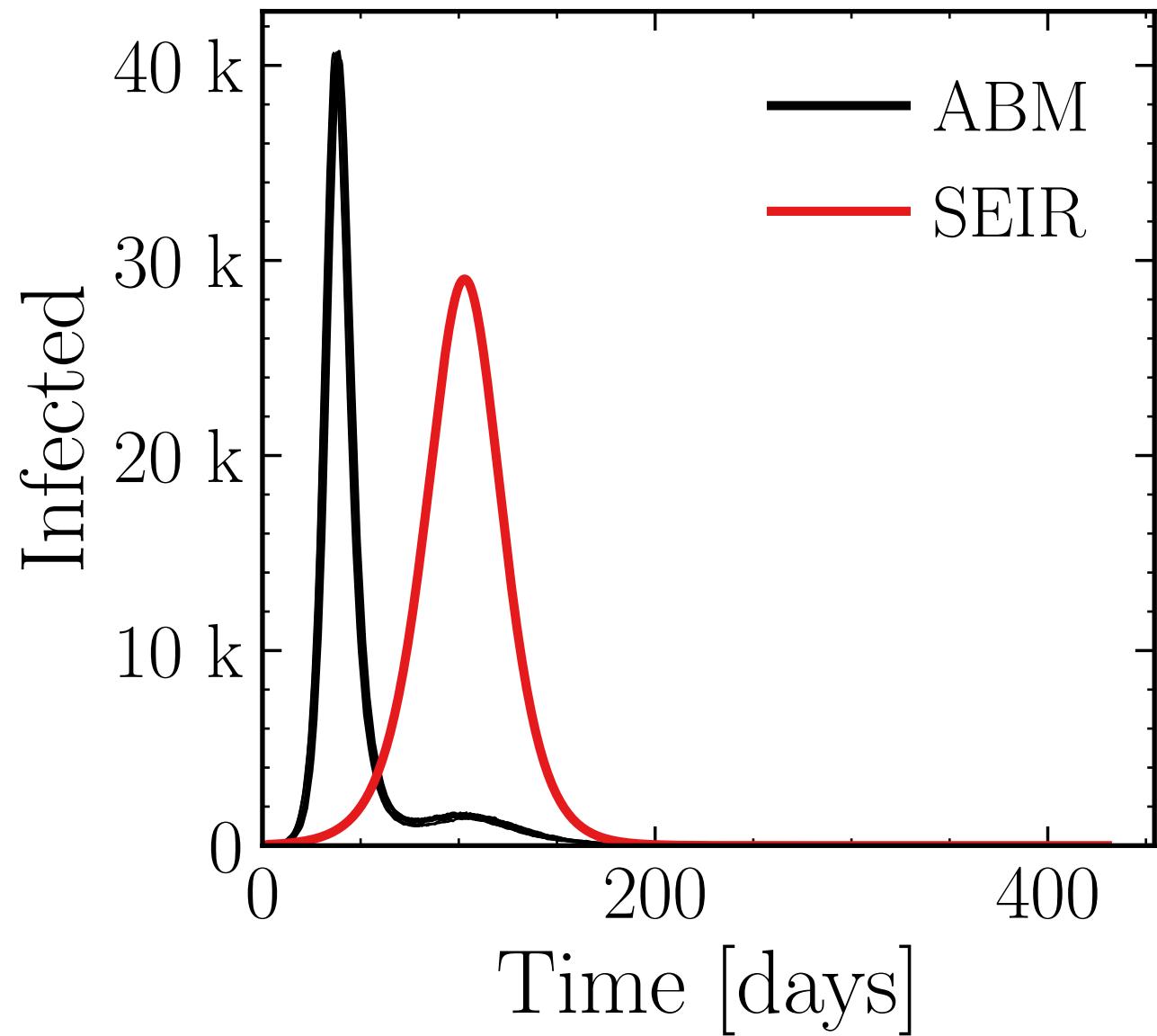
$$R_\infty^{\text{ABM}} = (202 \pm 0.13\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.01$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.54 \pm 0.13\%) \cdot 10^3$$

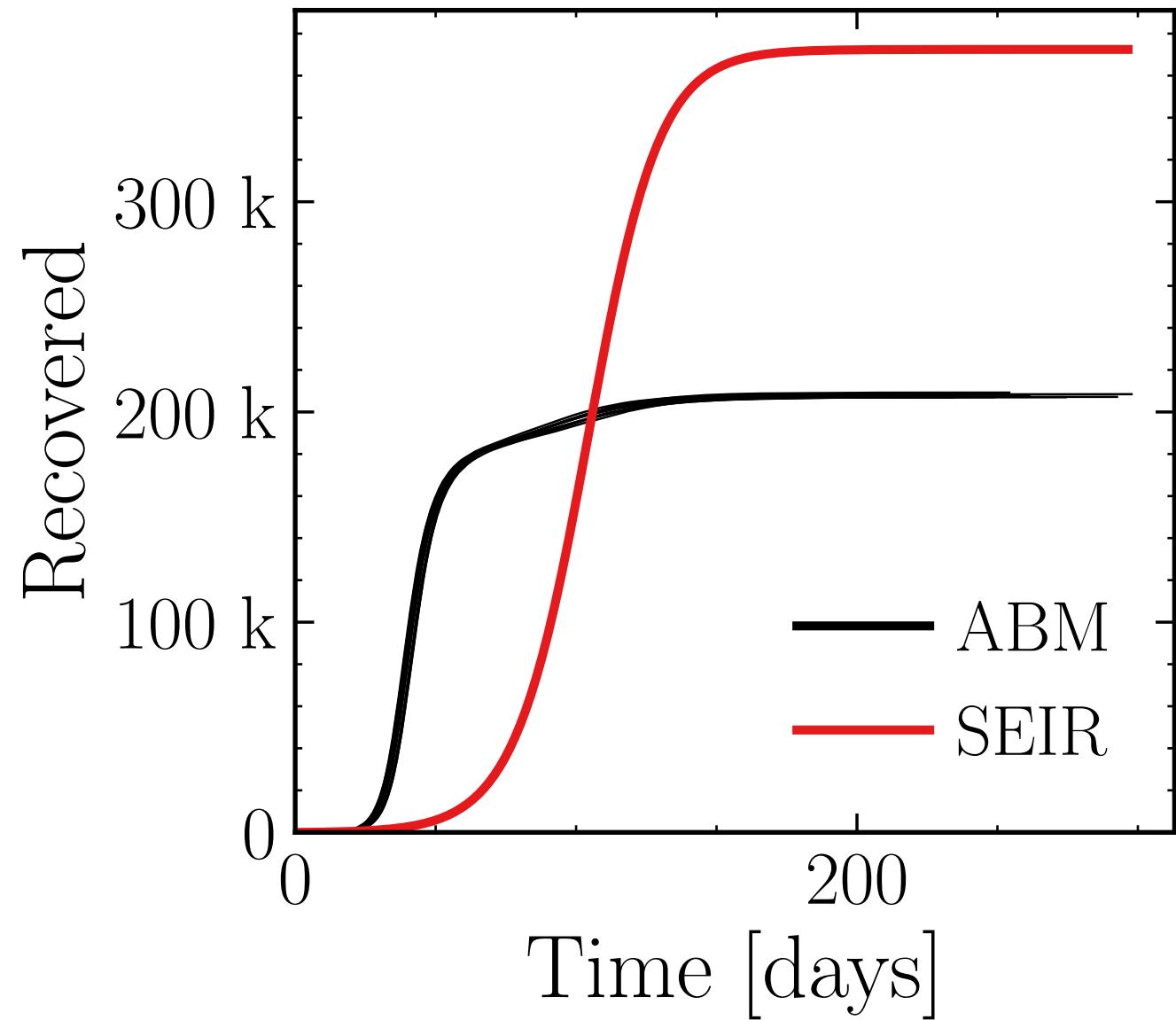
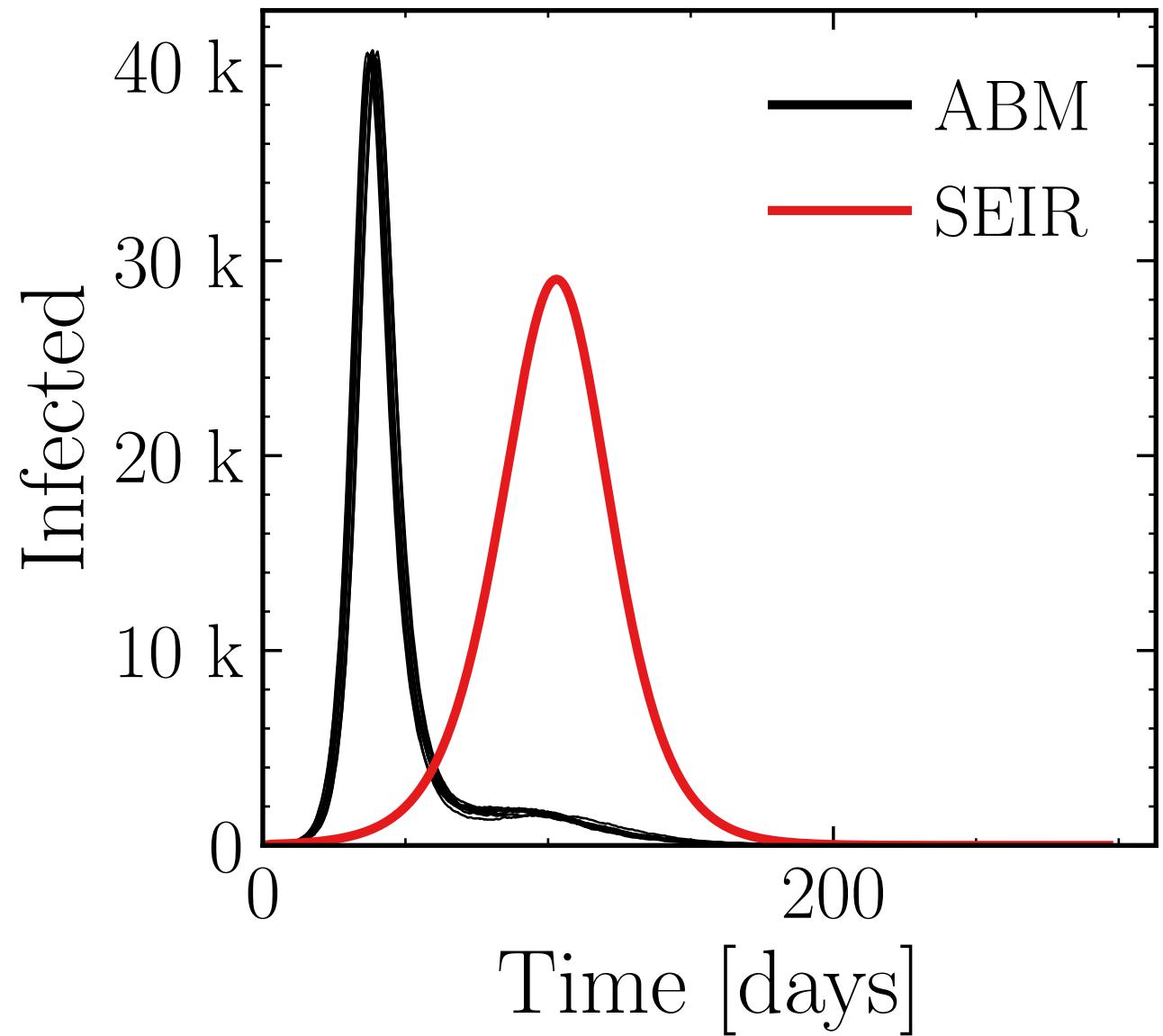
$$R_\infty^{\text{ABM}} = (204.4 \pm 0.087\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.02$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.6 \pm 0.12\%) \cdot 10^3$$

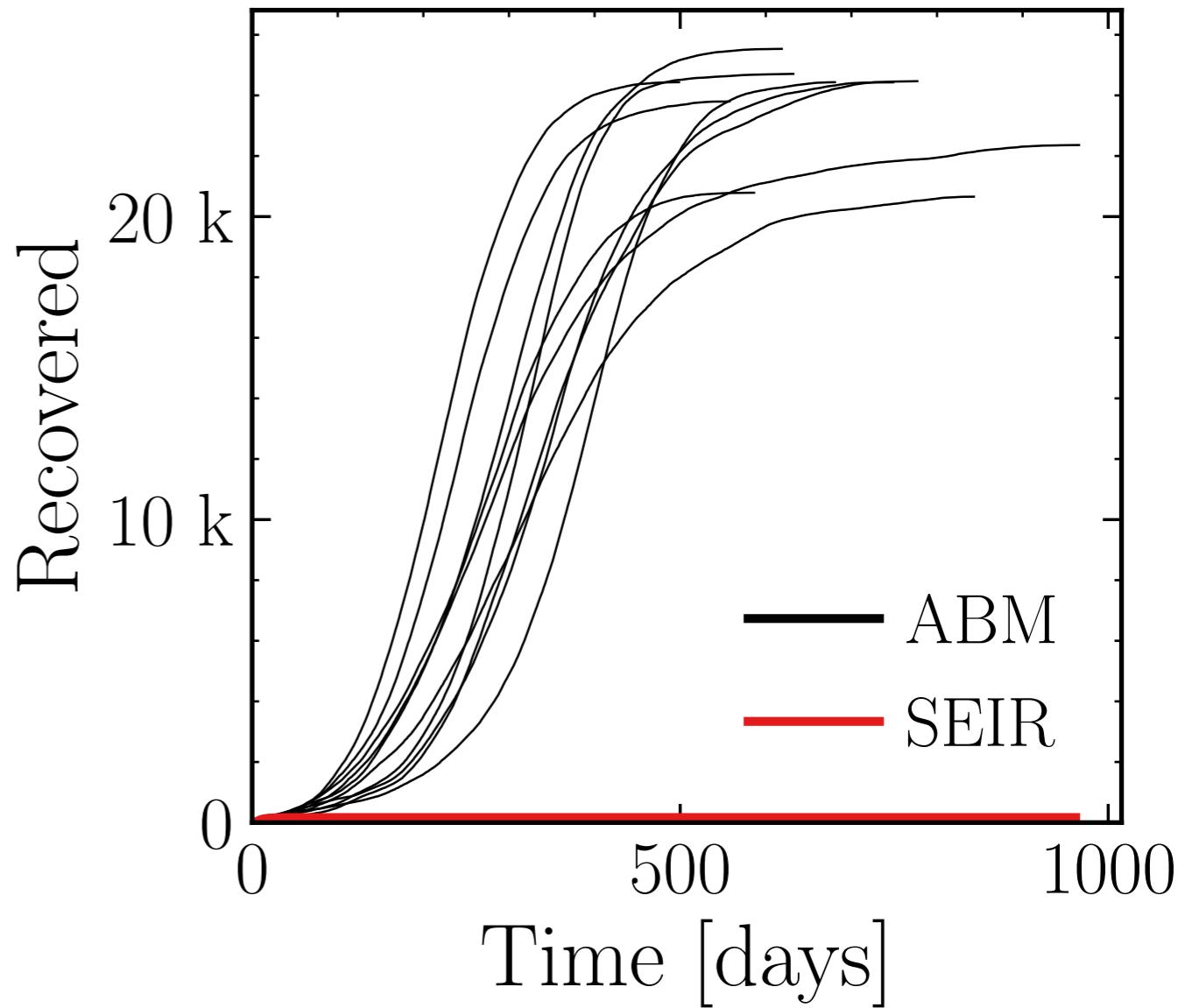
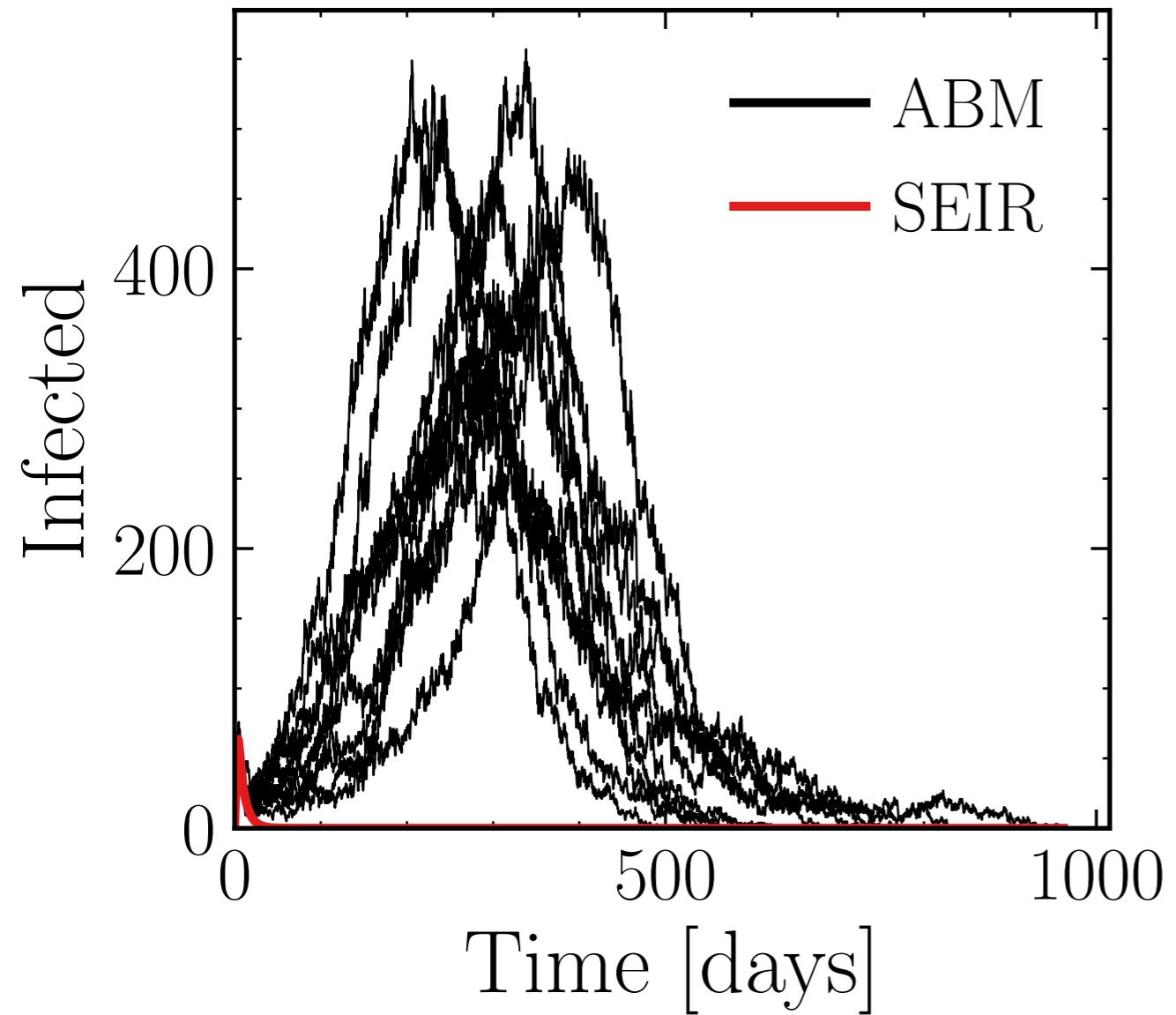
$$R_\infty^{\text{ABM}} = (207.8 \pm 0.12\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

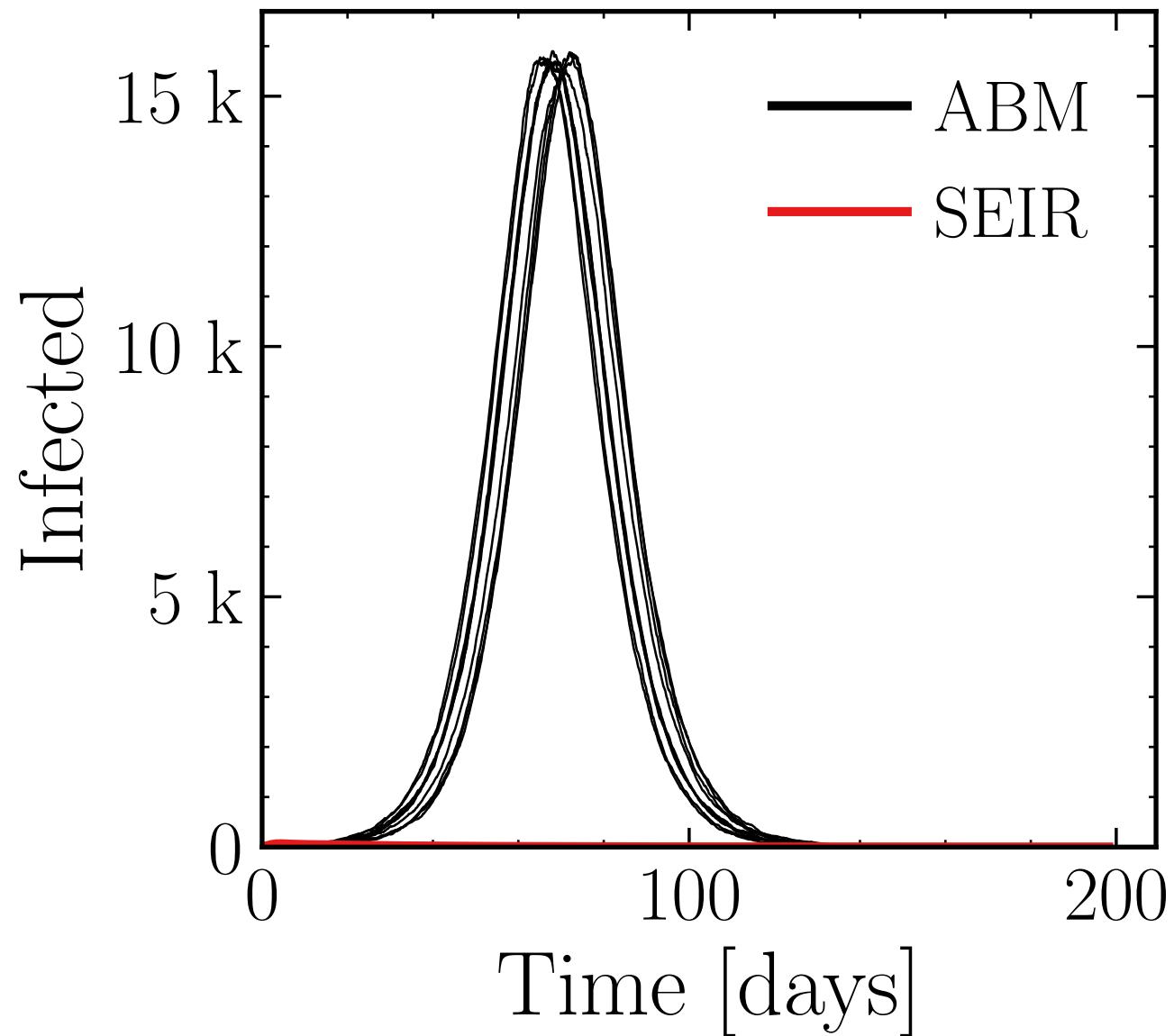
$$I_{\max}^{\text{ABM}} = (440 \pm 6.3\%)$$

$$R_\infty^{\text{ABM}} = (23.6 \pm 2.2\%) \cdot 10^3$$

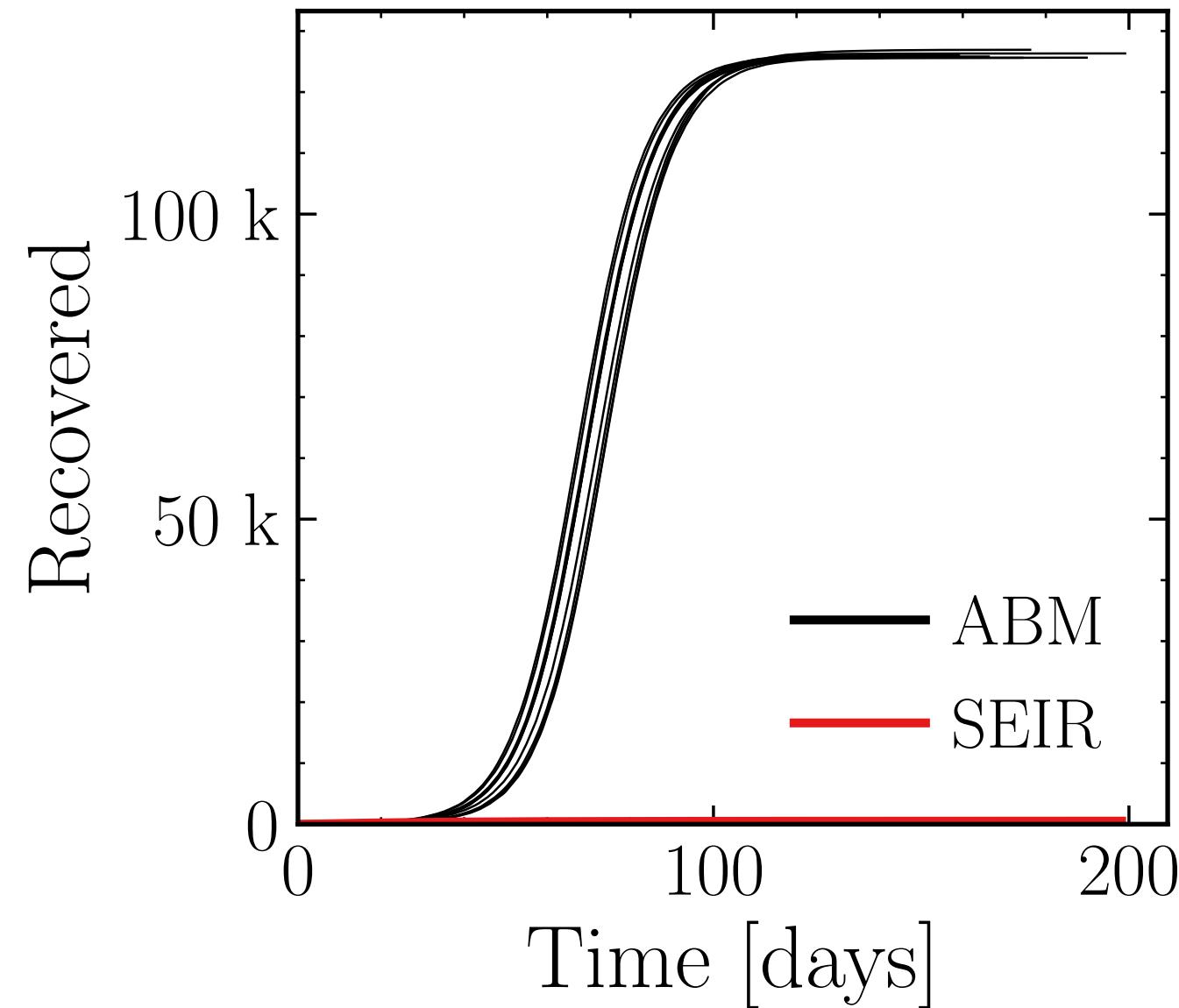


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (15.75 \pm 0.22\%) \cdot 10^3$$



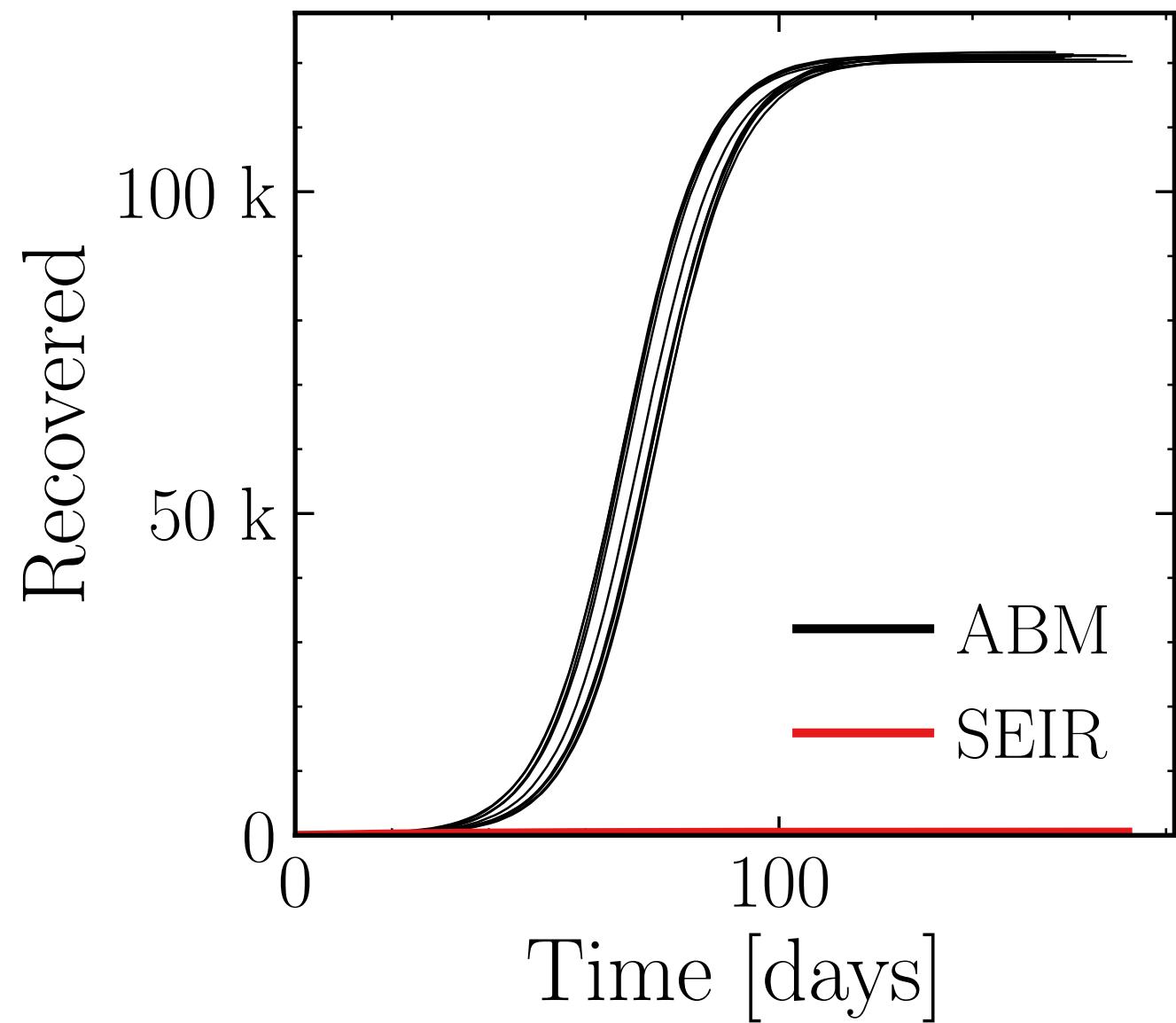
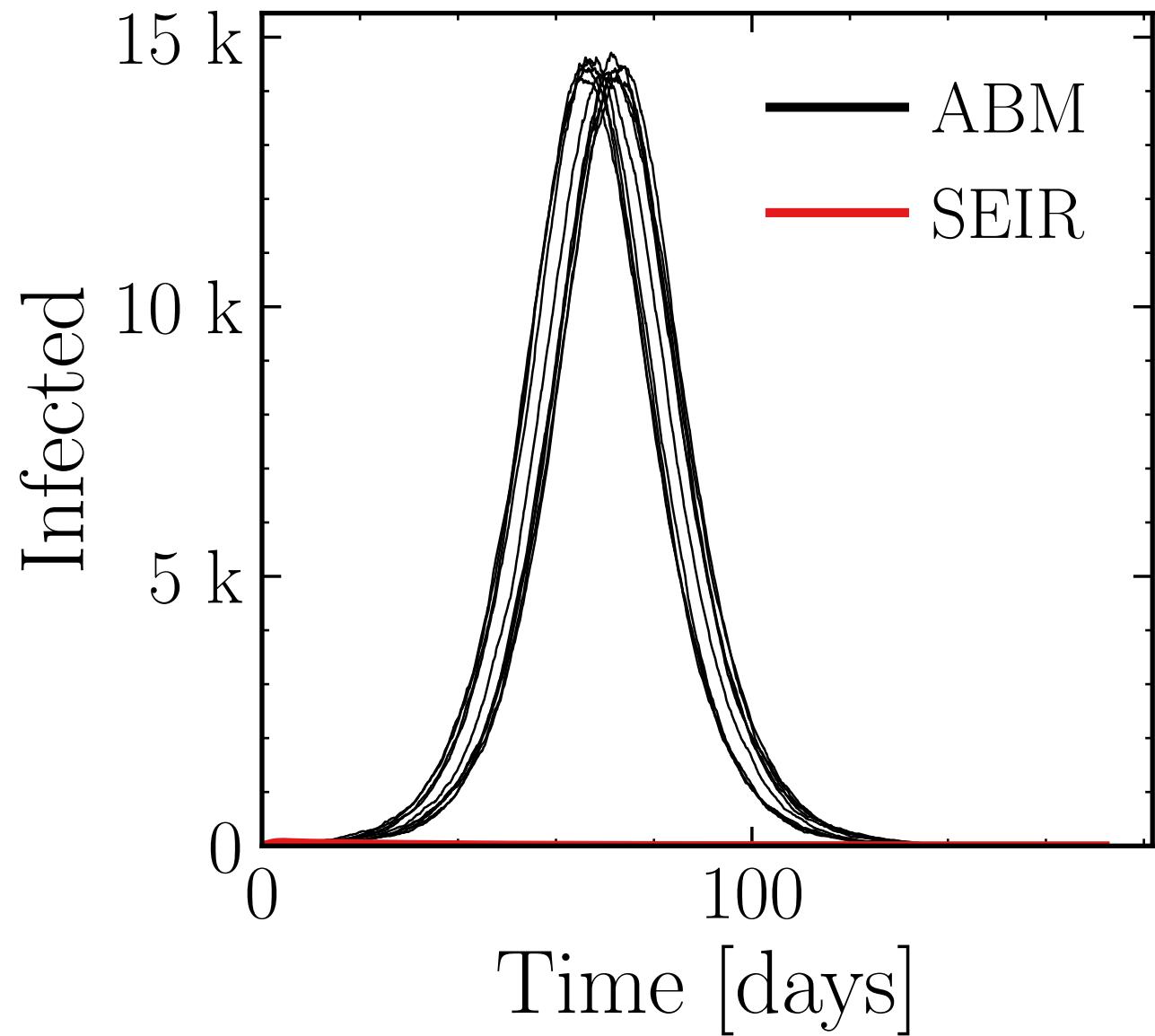
$$R_{\infty}^{\text{ABM}} = (126 \pm 0.095\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (14.43 \pm 0.36\%) \cdot 10^3$$

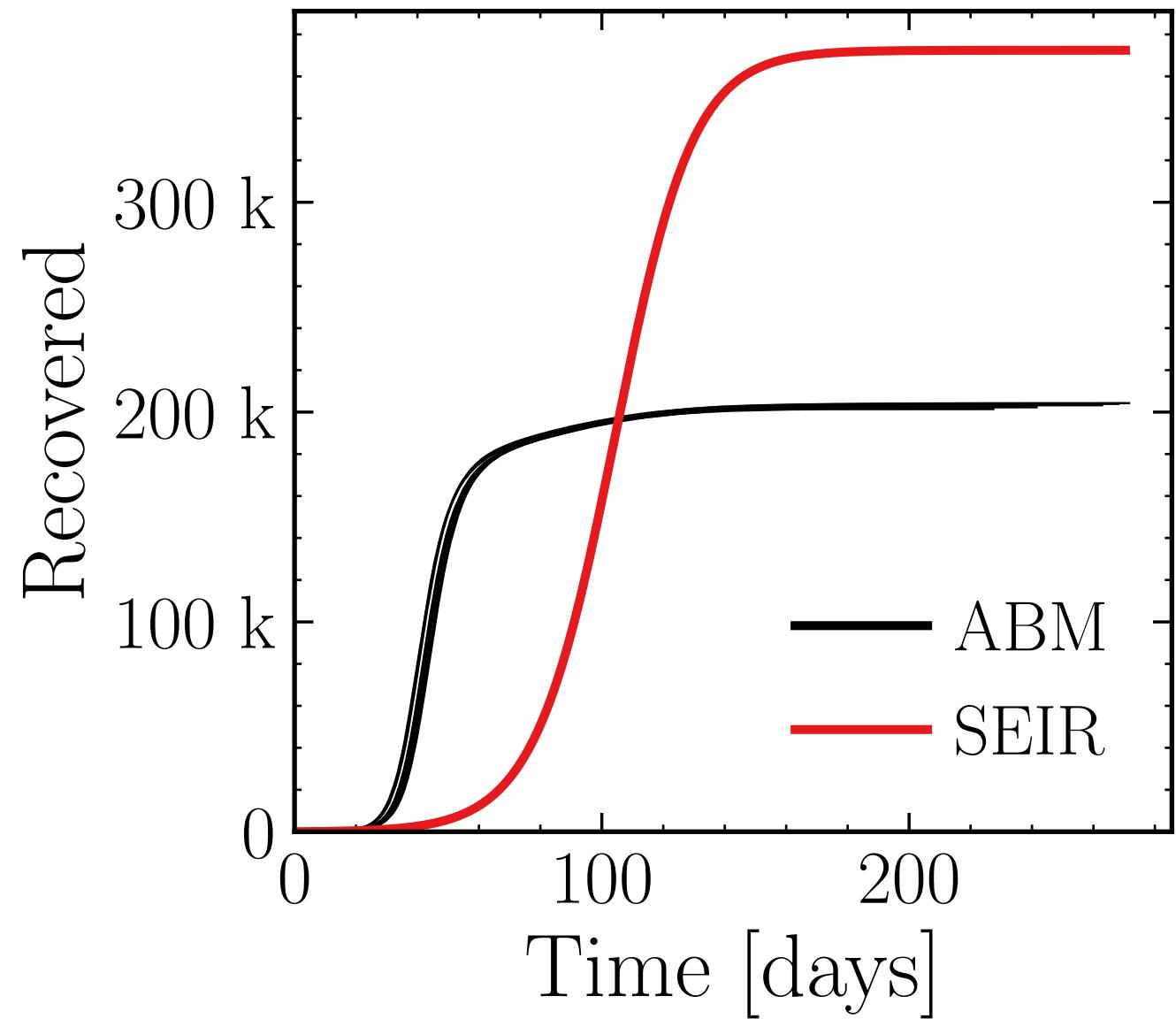
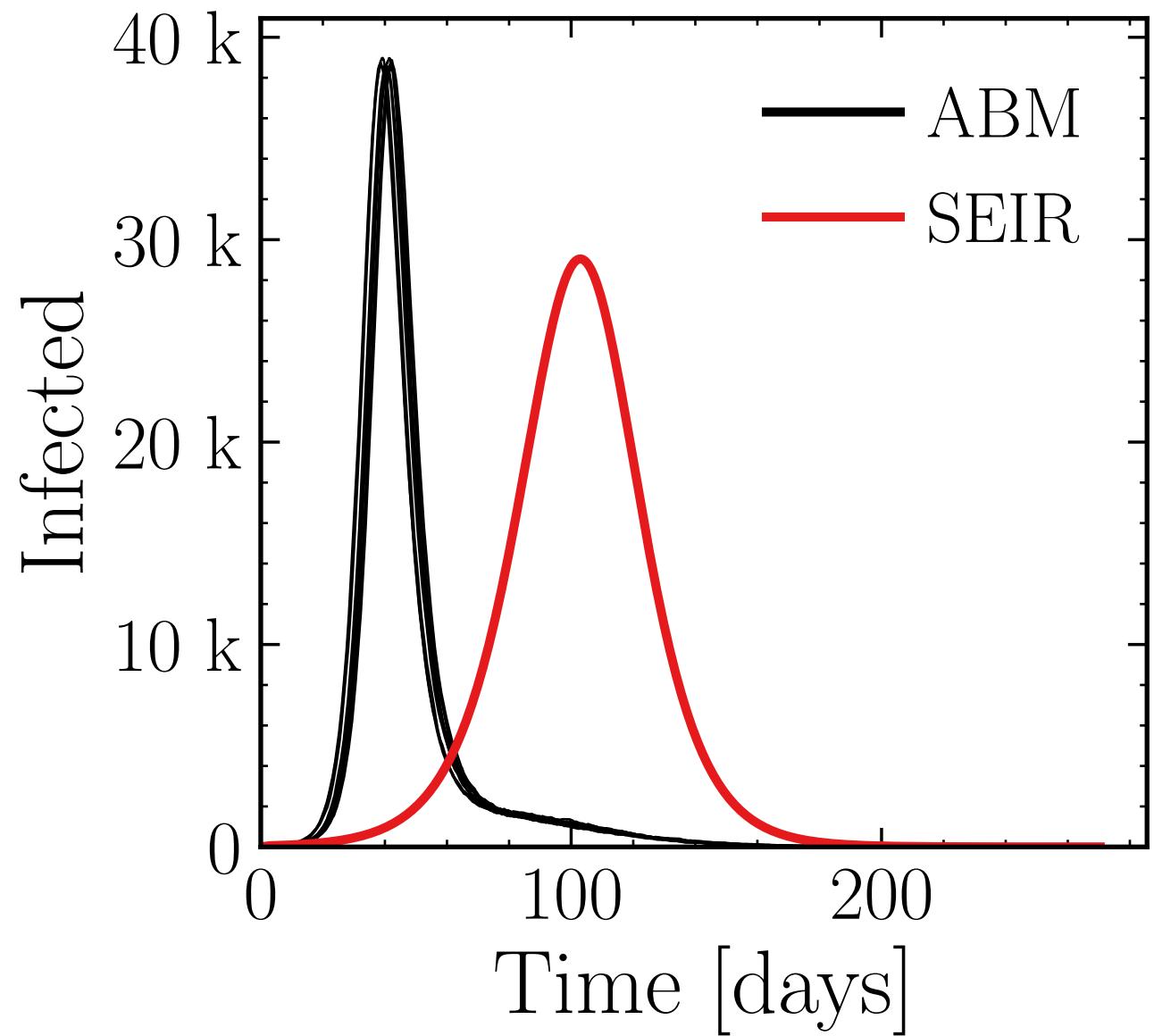
$$R_\infty^{\text{ABM}} = (121 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (38.71 \pm 0.16\%) \cdot 10^3$$

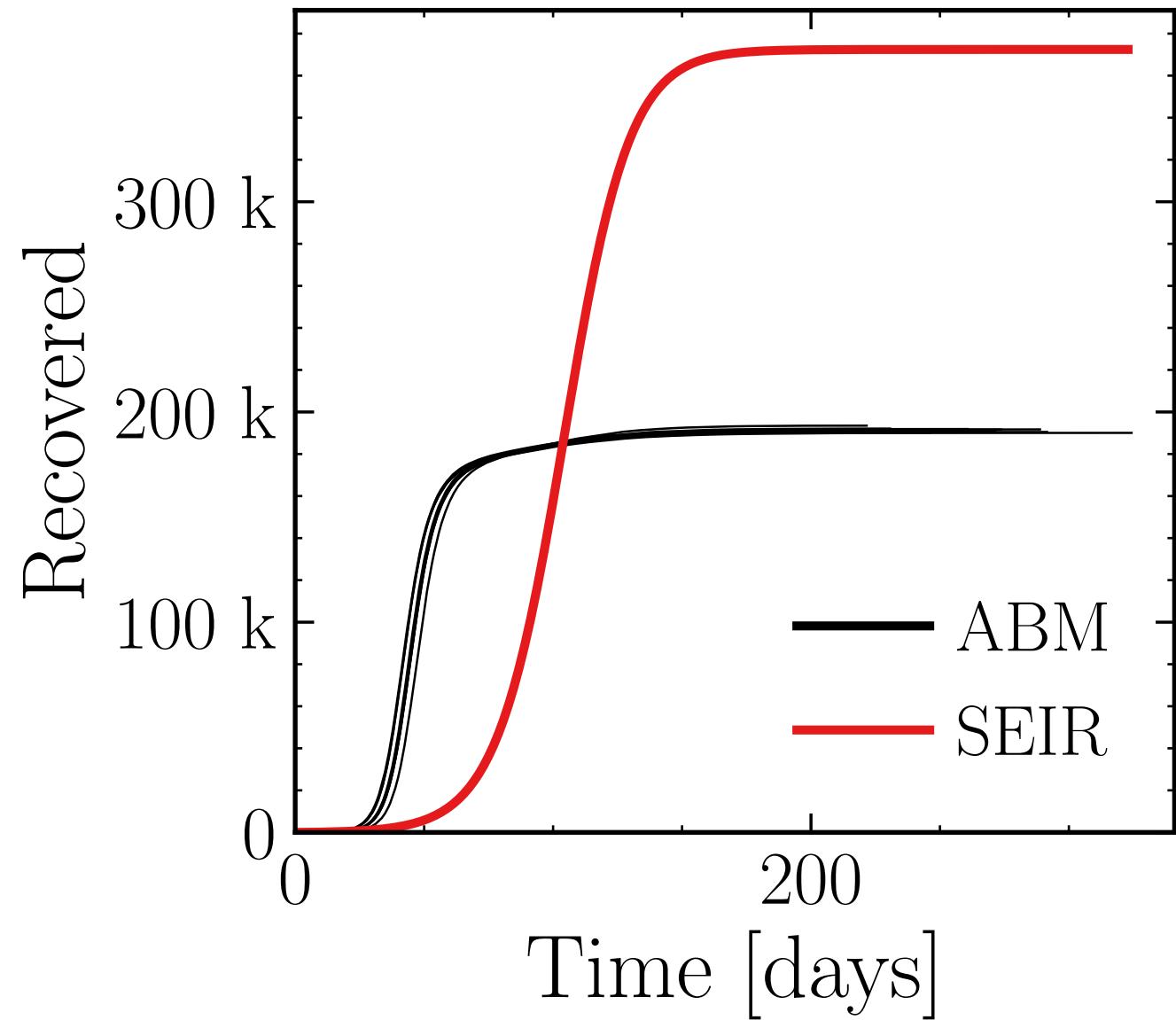
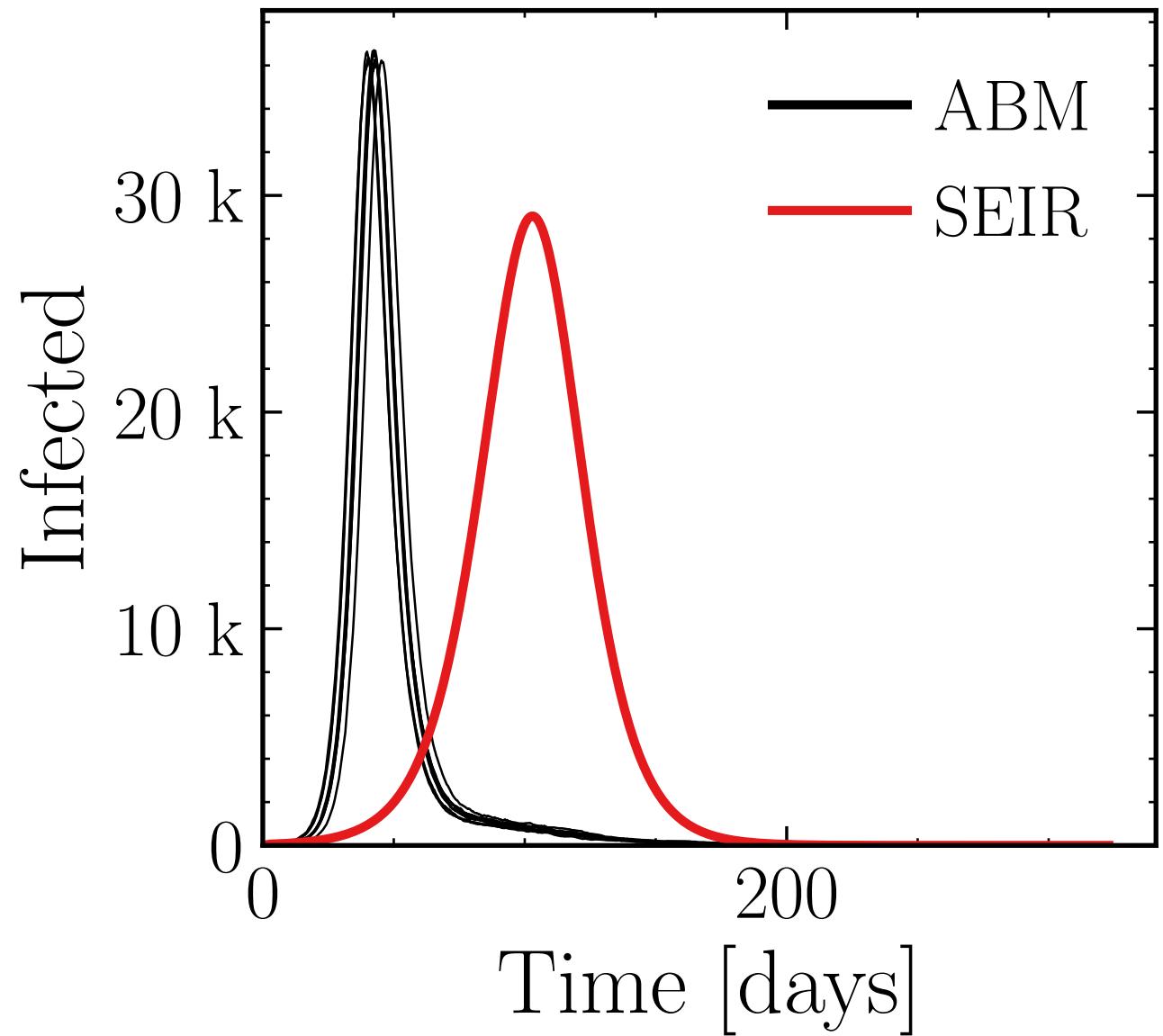
$$R_{\infty}^{\text{ABM}} = (203 \pm 0.13\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

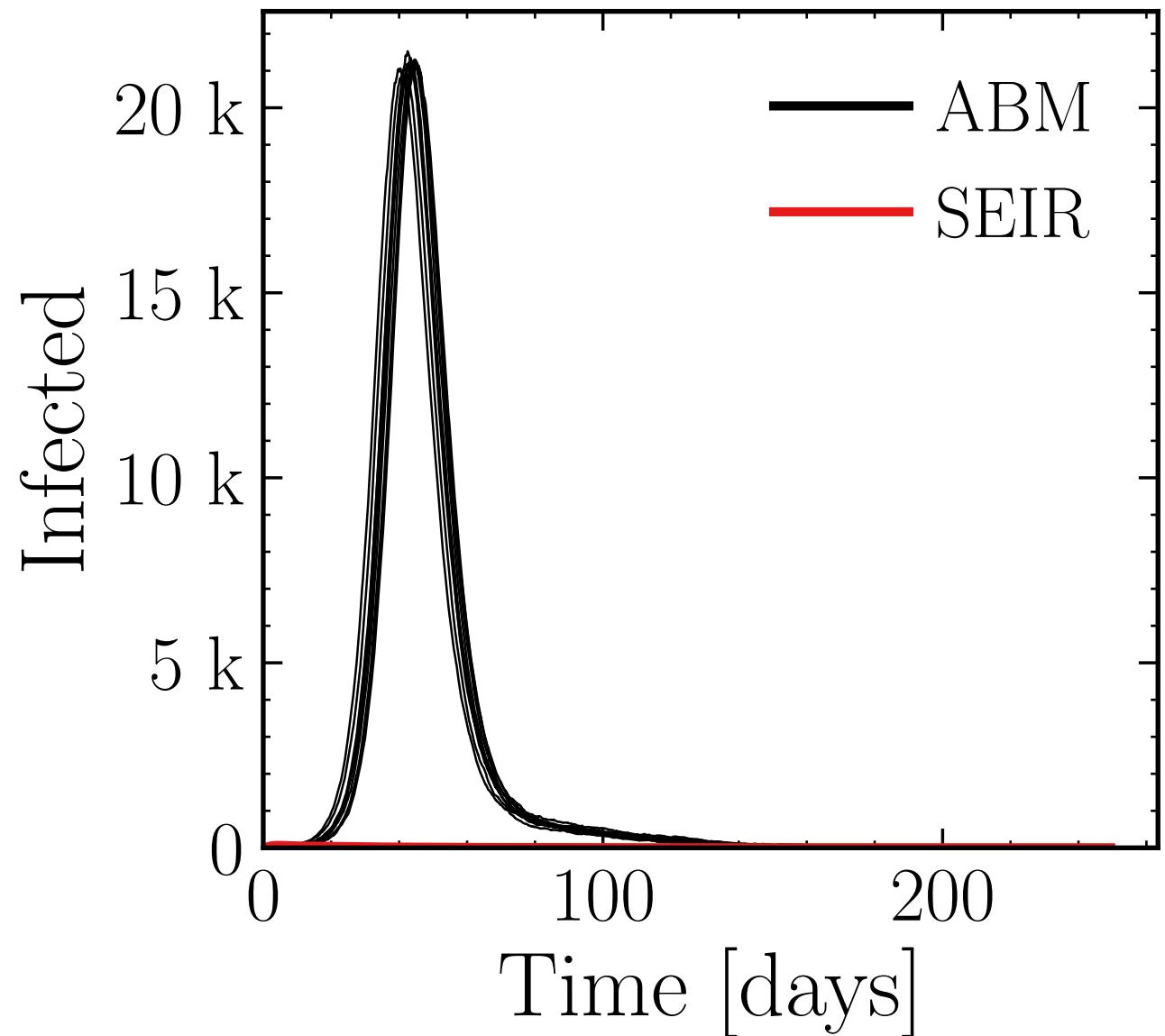
$$I_{\max}^{\text{ABM}} = (36.38 \pm 0.19\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (191.4 \pm 0.16\%) \cdot 10^3$$

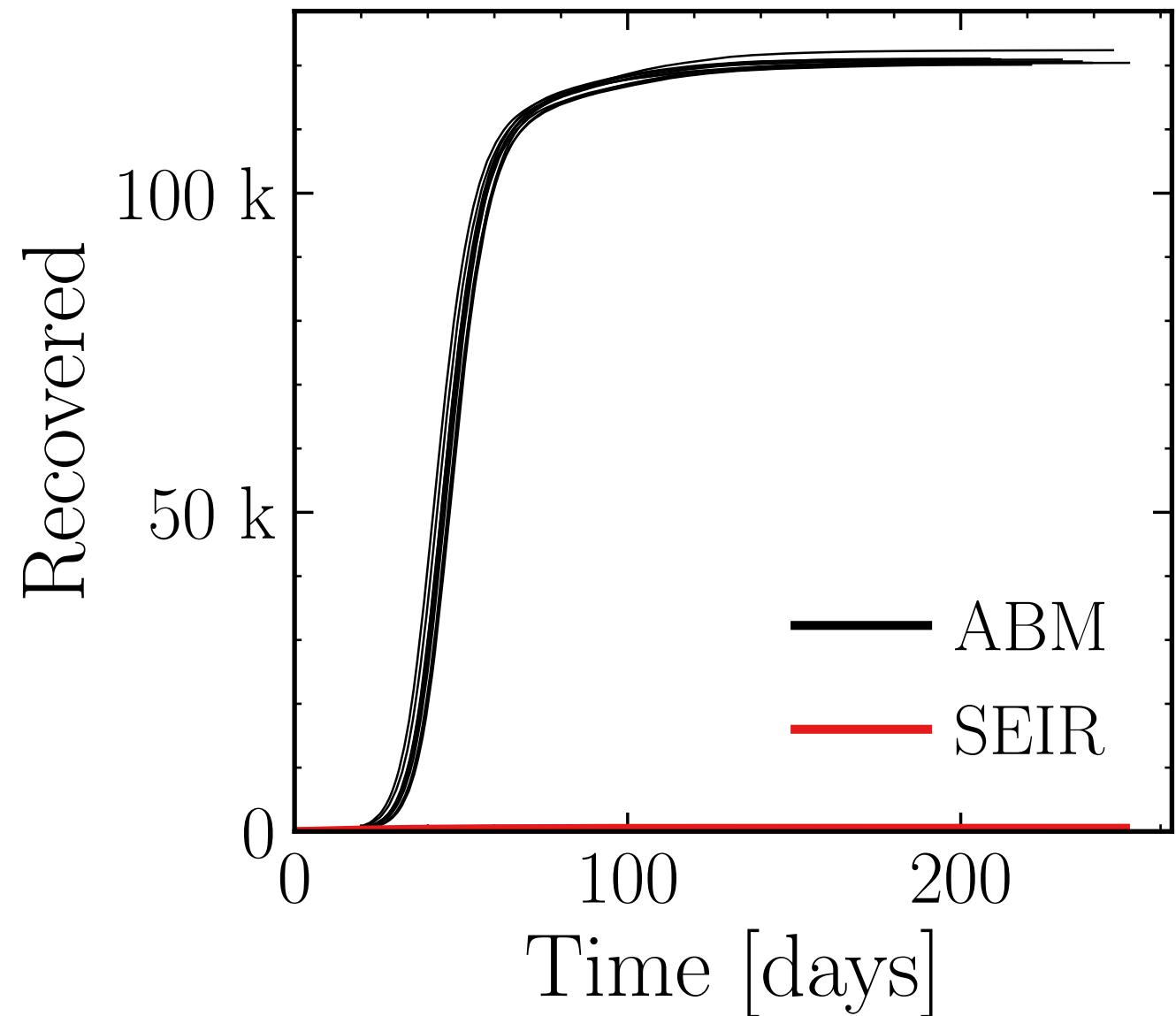


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (21.24 \pm 0.18\%) \cdot 10^3$$



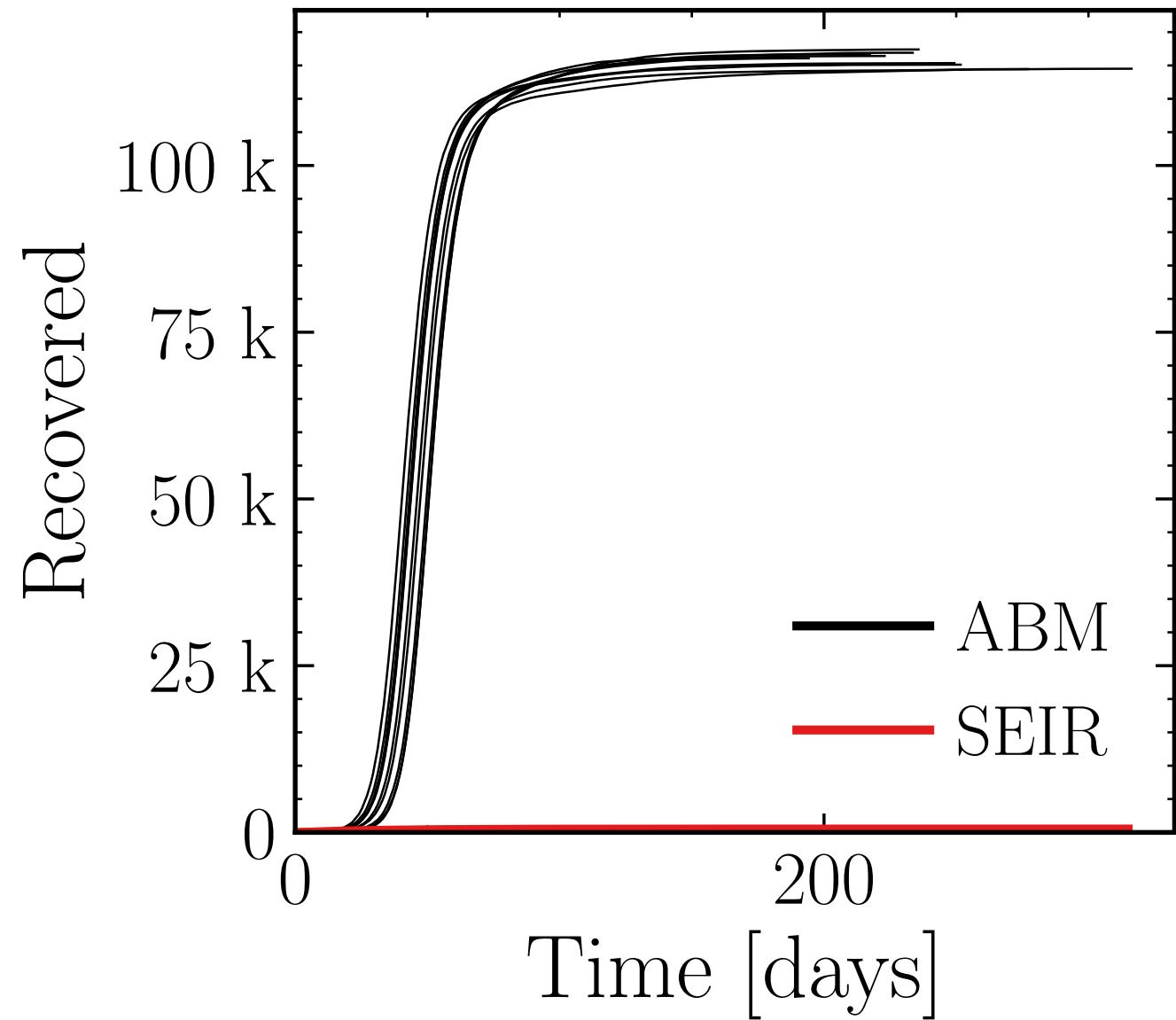
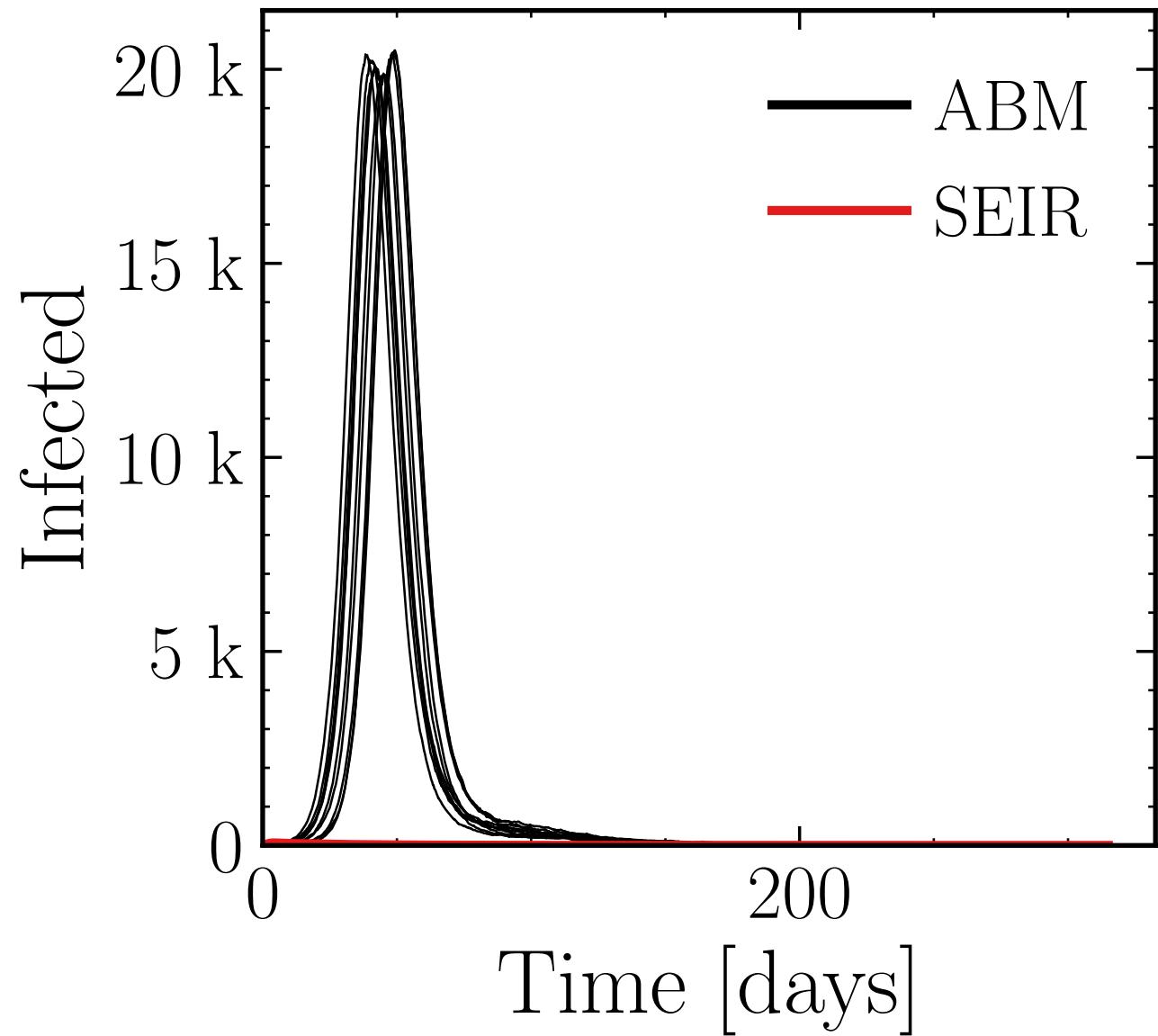
$$R_\infty^{\text{ABM}} = (120.8 \pm 0.16\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (20.19 \pm 0.34\%) \cdot 10^3$$

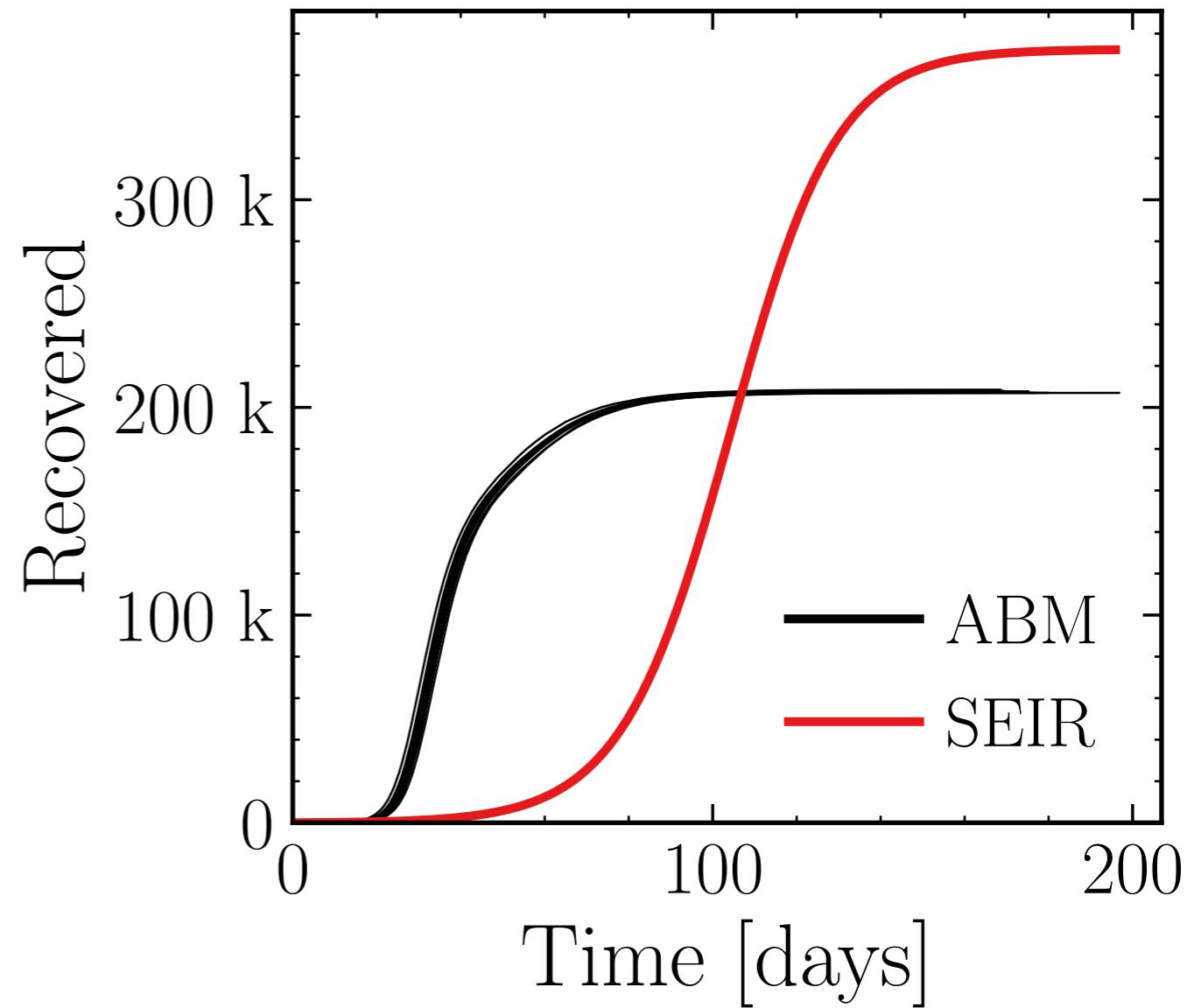
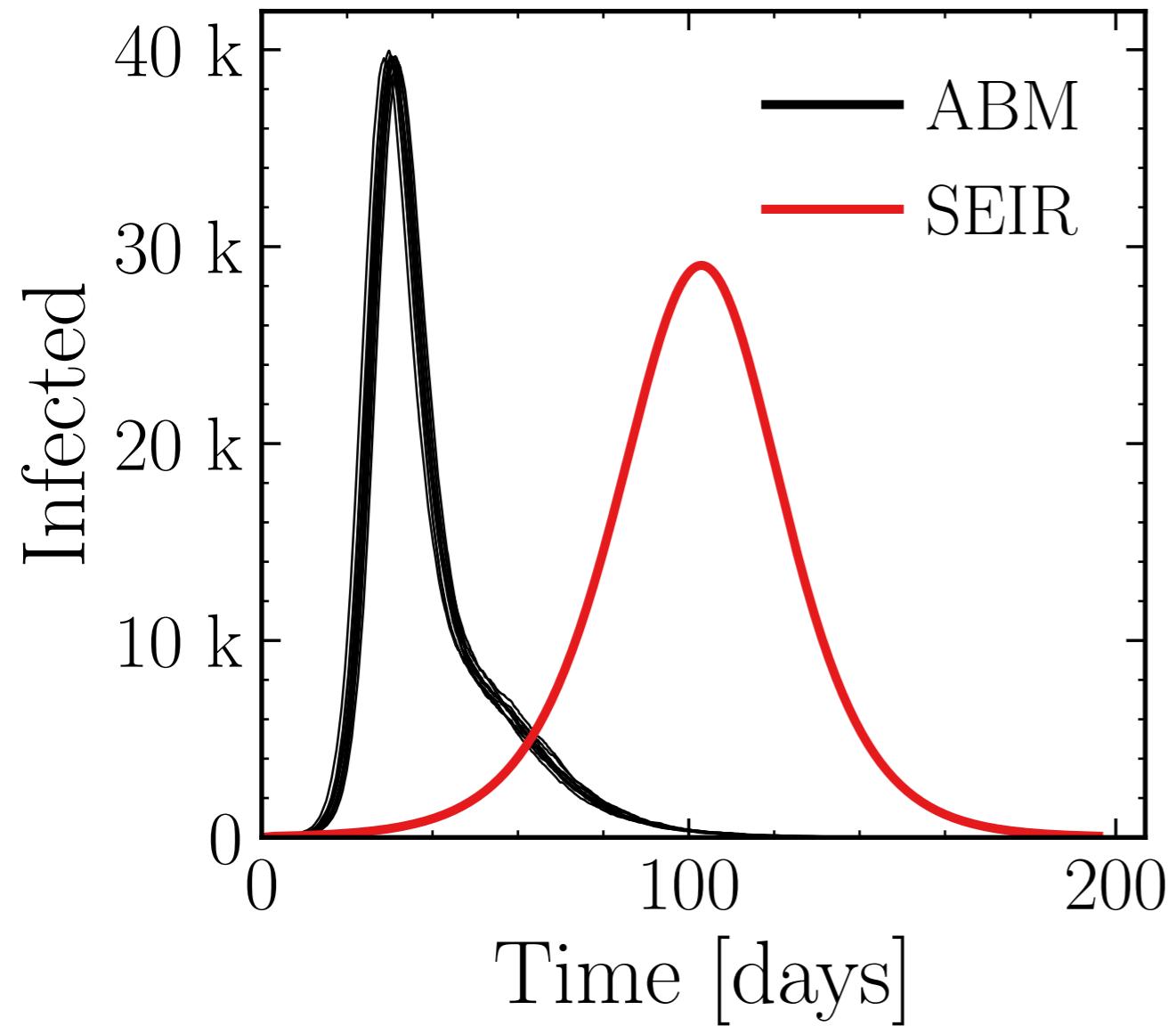
$$R_\infty^{\text{ABM}} = (115.9 \pm 0.26\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (39.52 \pm 0.19\%) \cdot 10^3$$

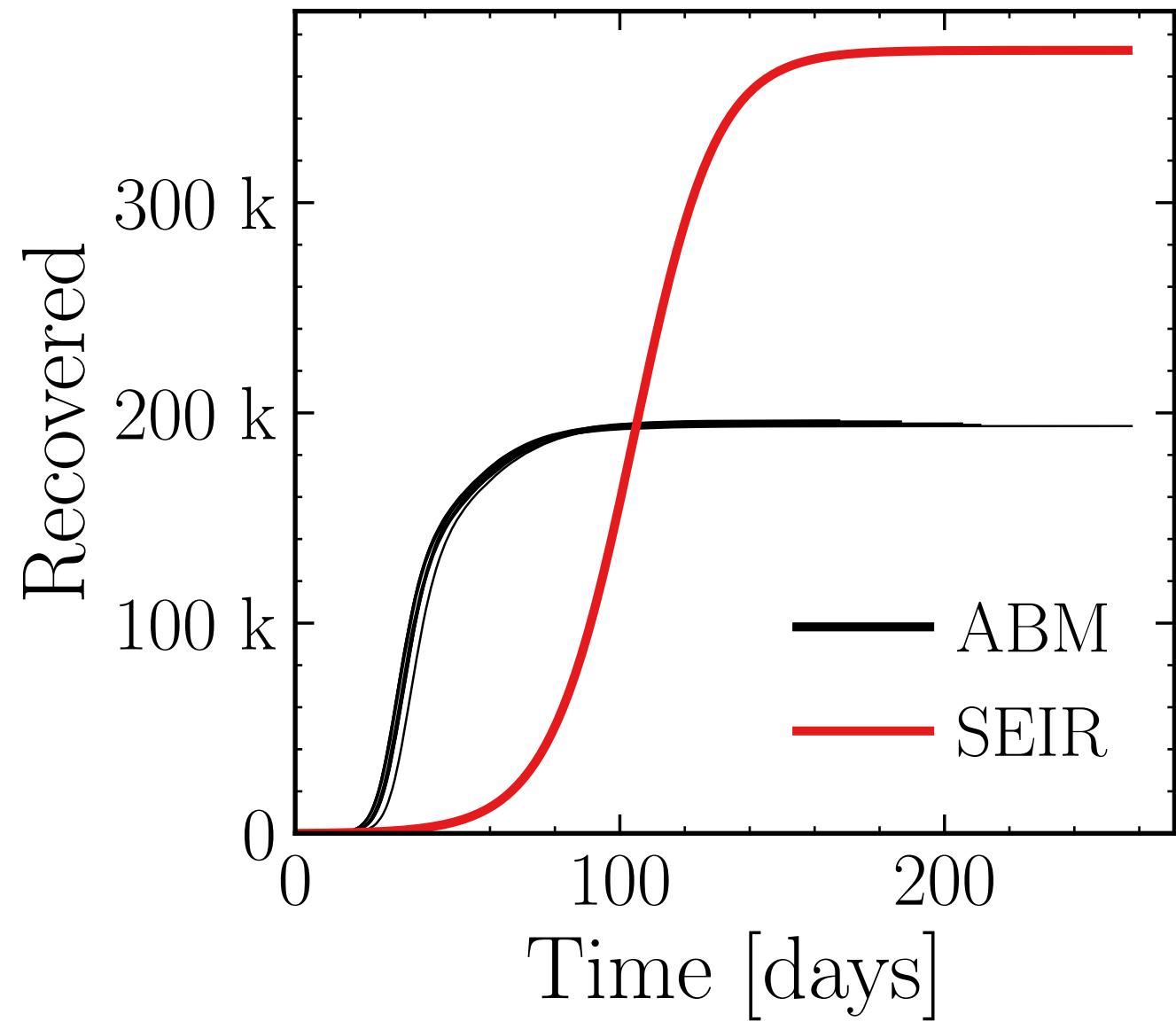
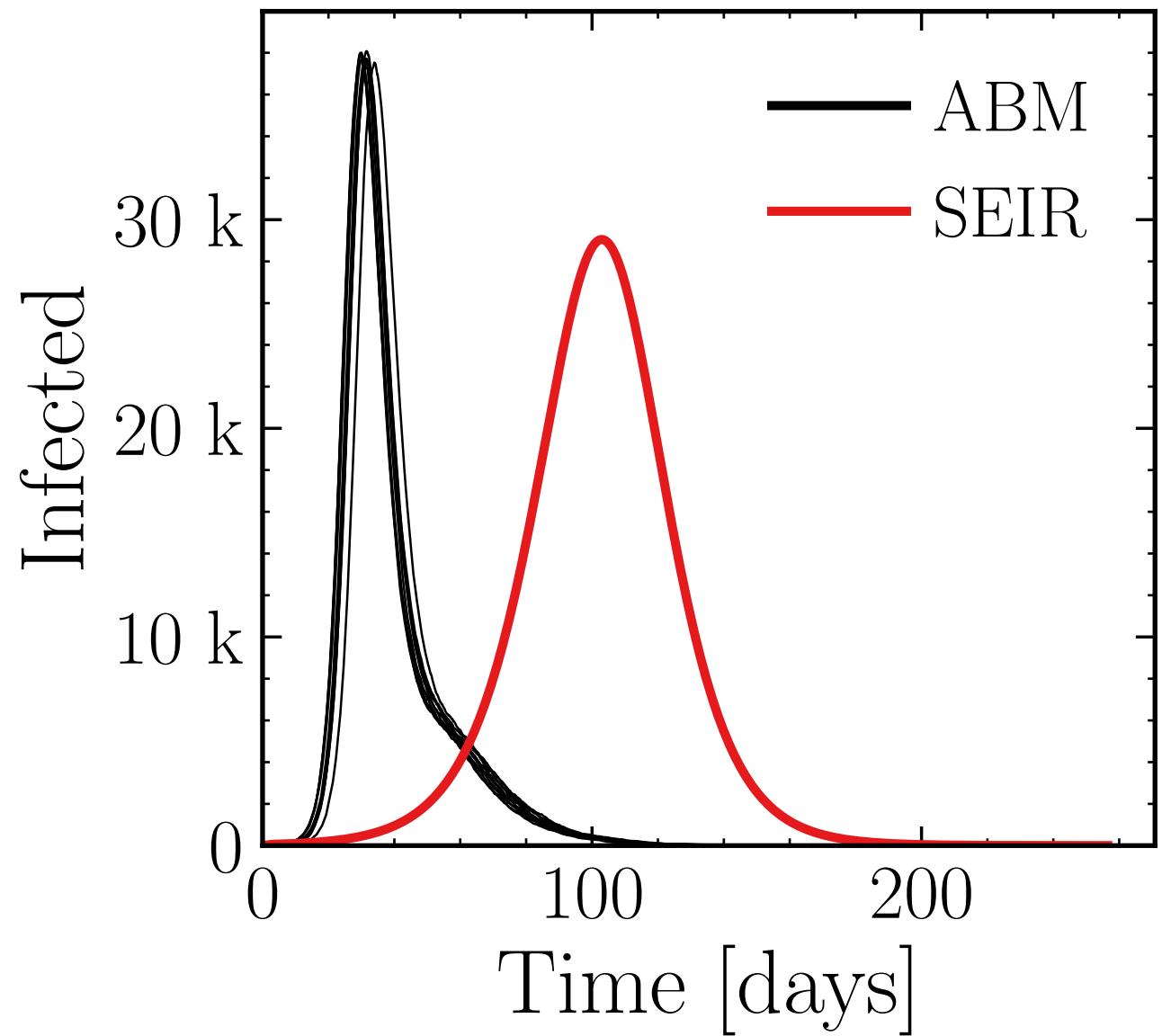
$$R_\infty^{\text{ABM}} = (207.6 \pm 0.073\%) \cdot 10^3$$



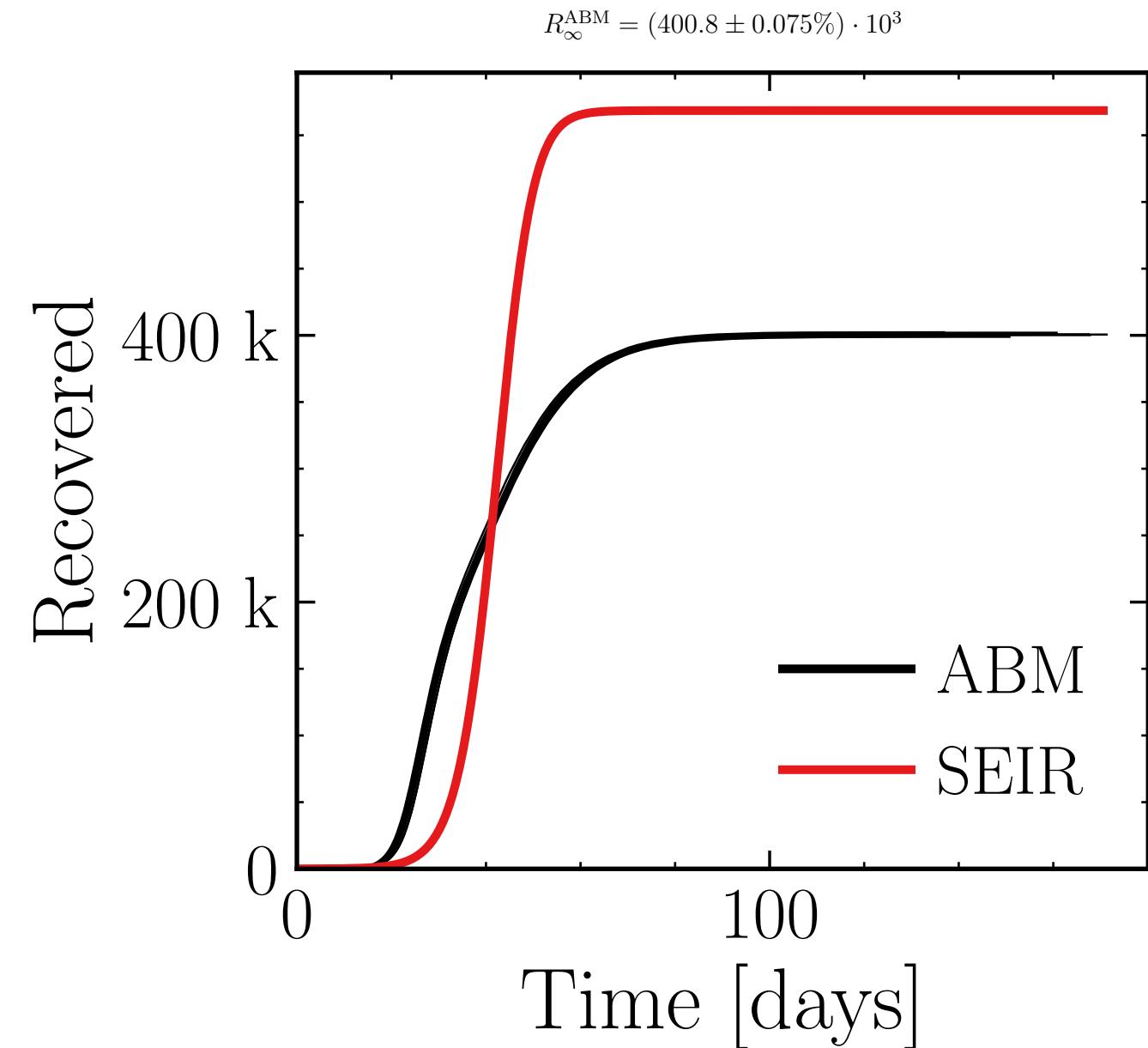
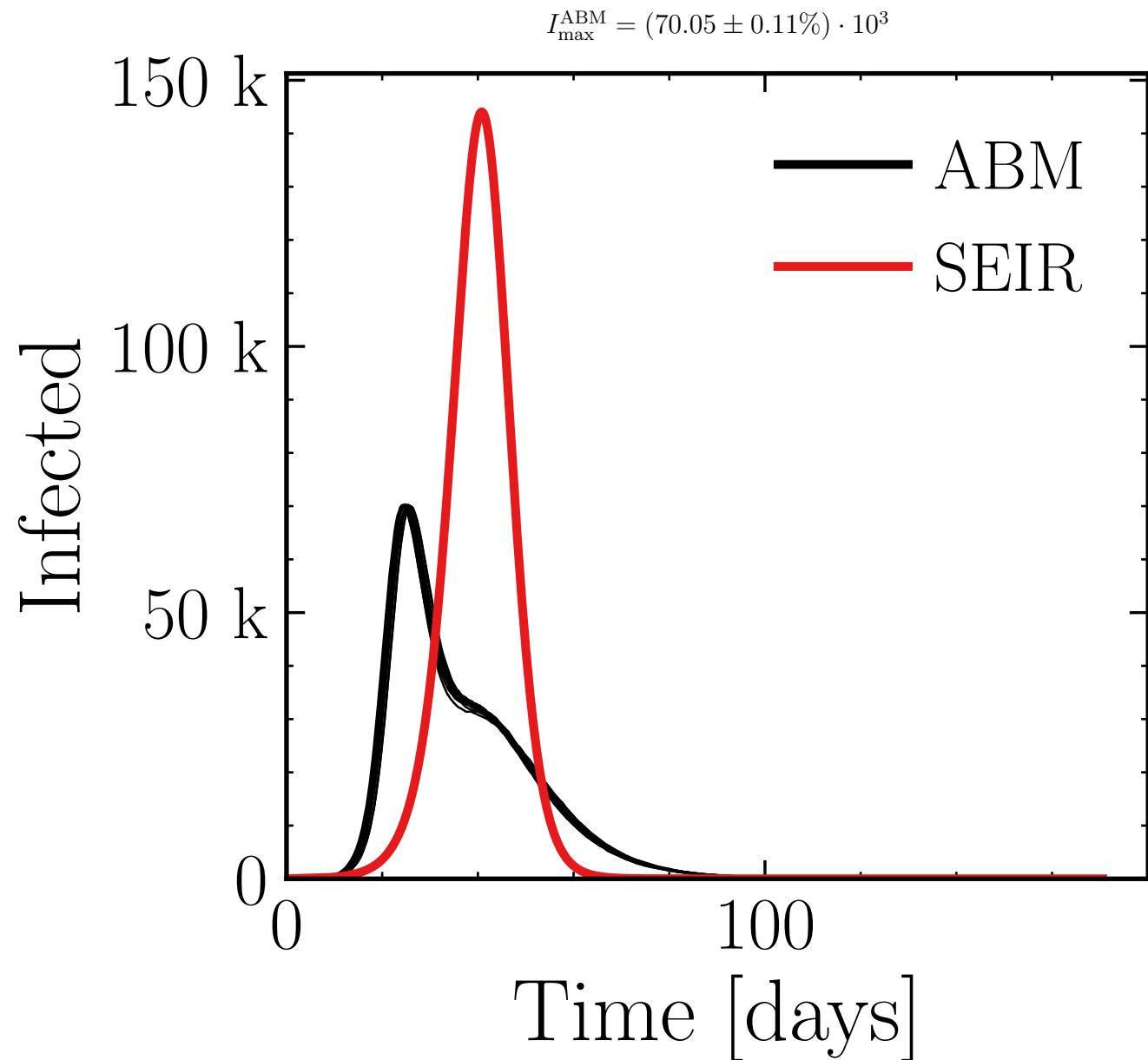
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 10.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (37.72 \pm 0.18\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (195 \pm 0.11\%) \cdot 10^3$$



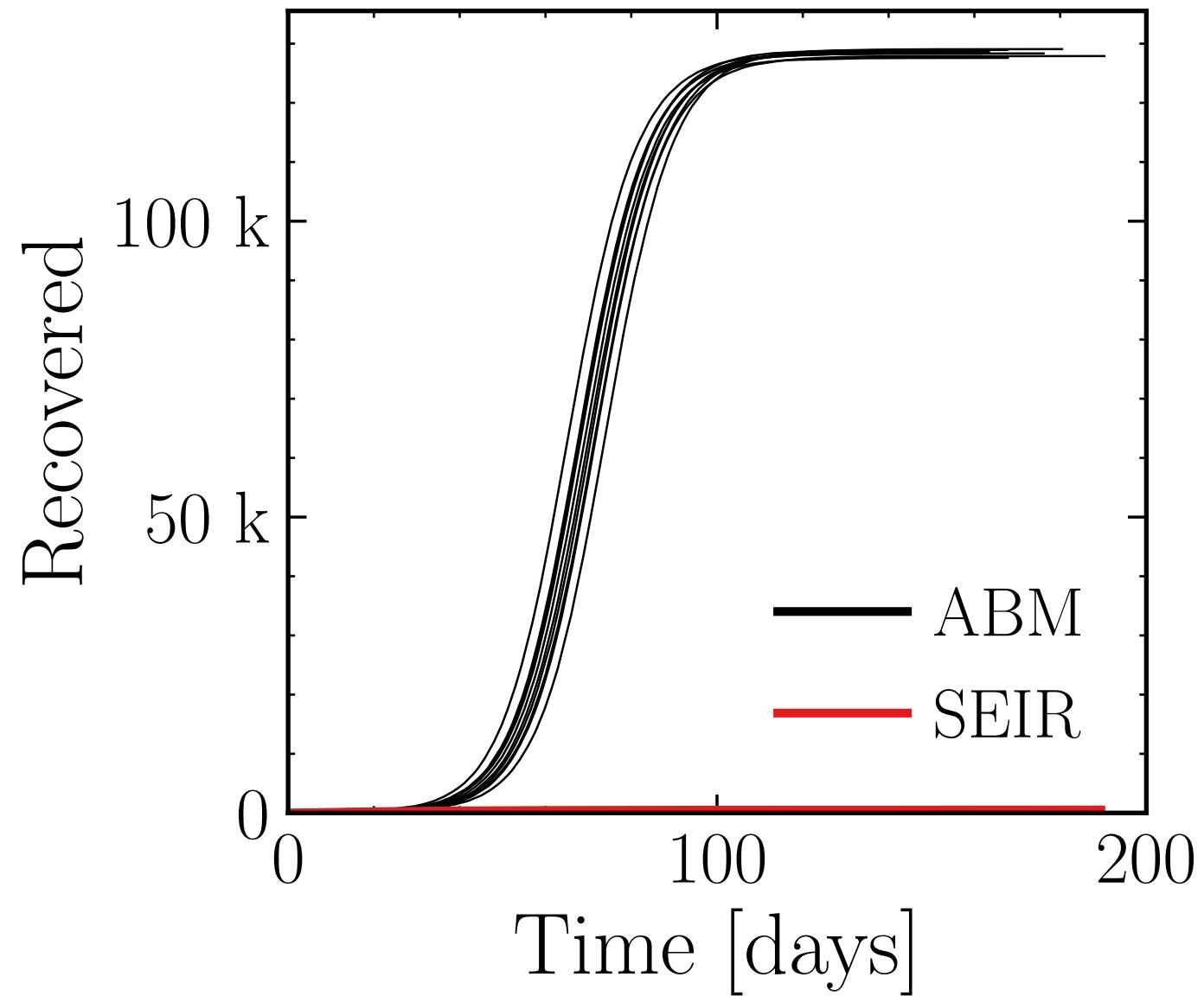
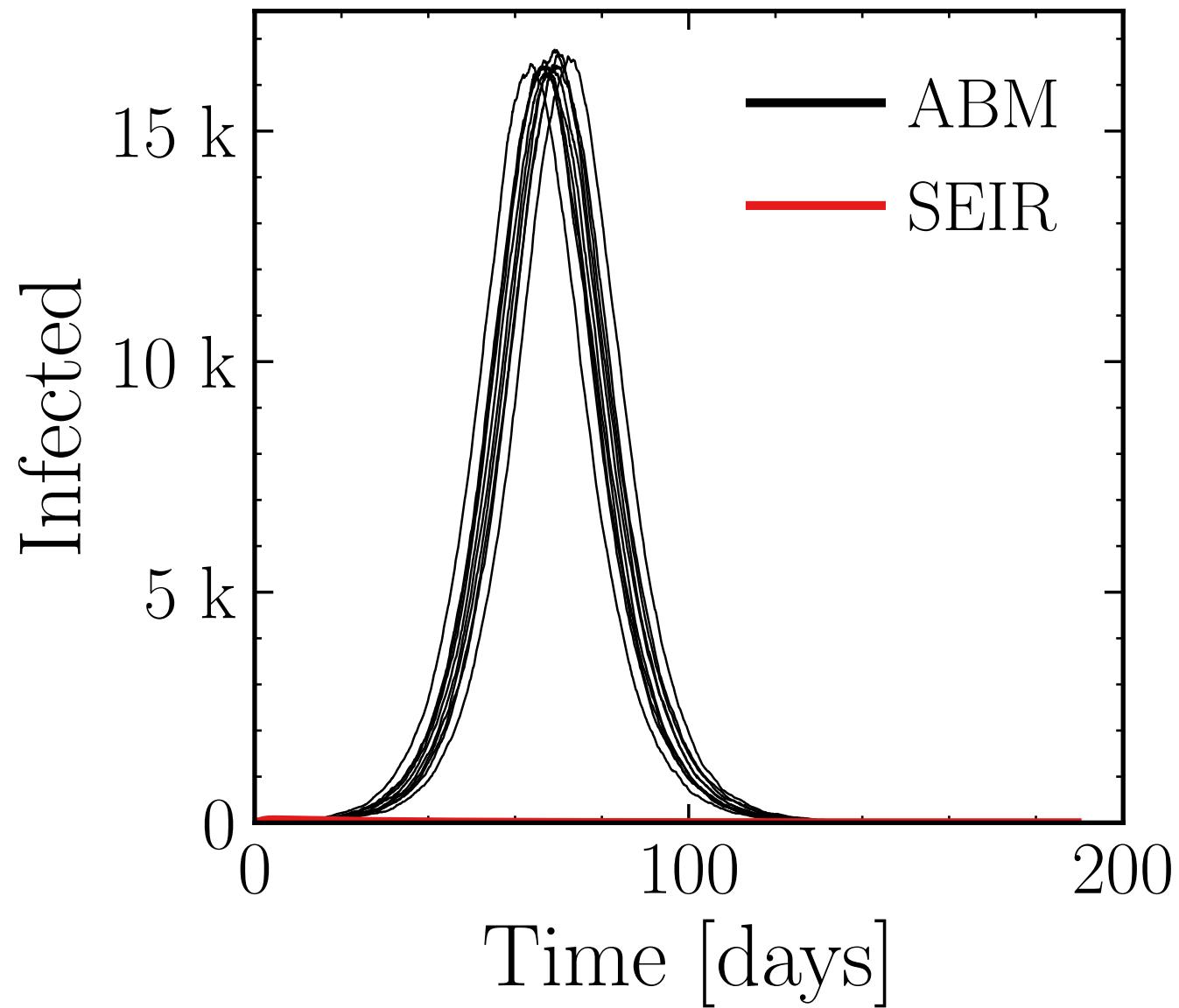
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 100.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retry}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (16.48 \pm 0.29\%) \cdot 10^3$$

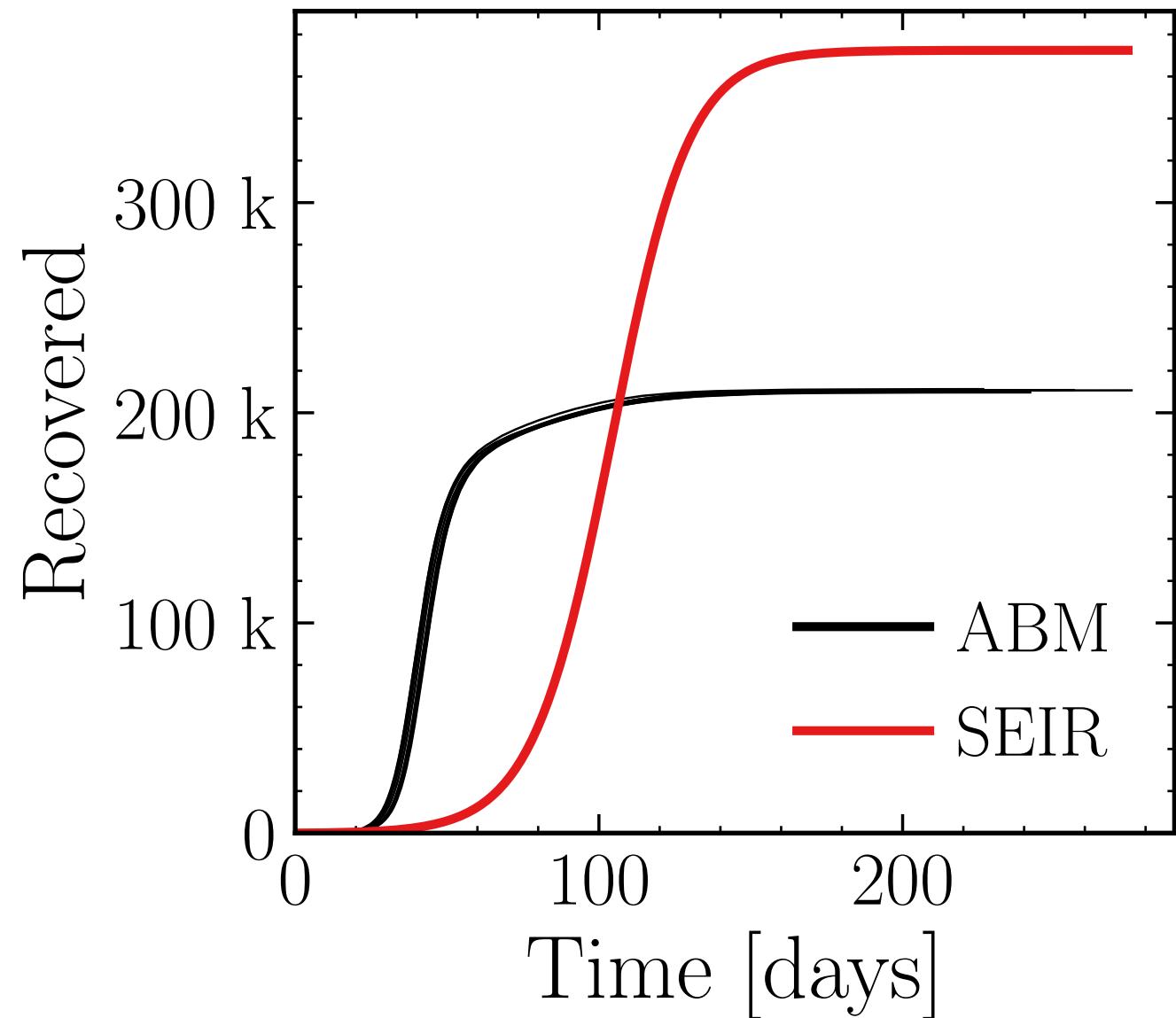
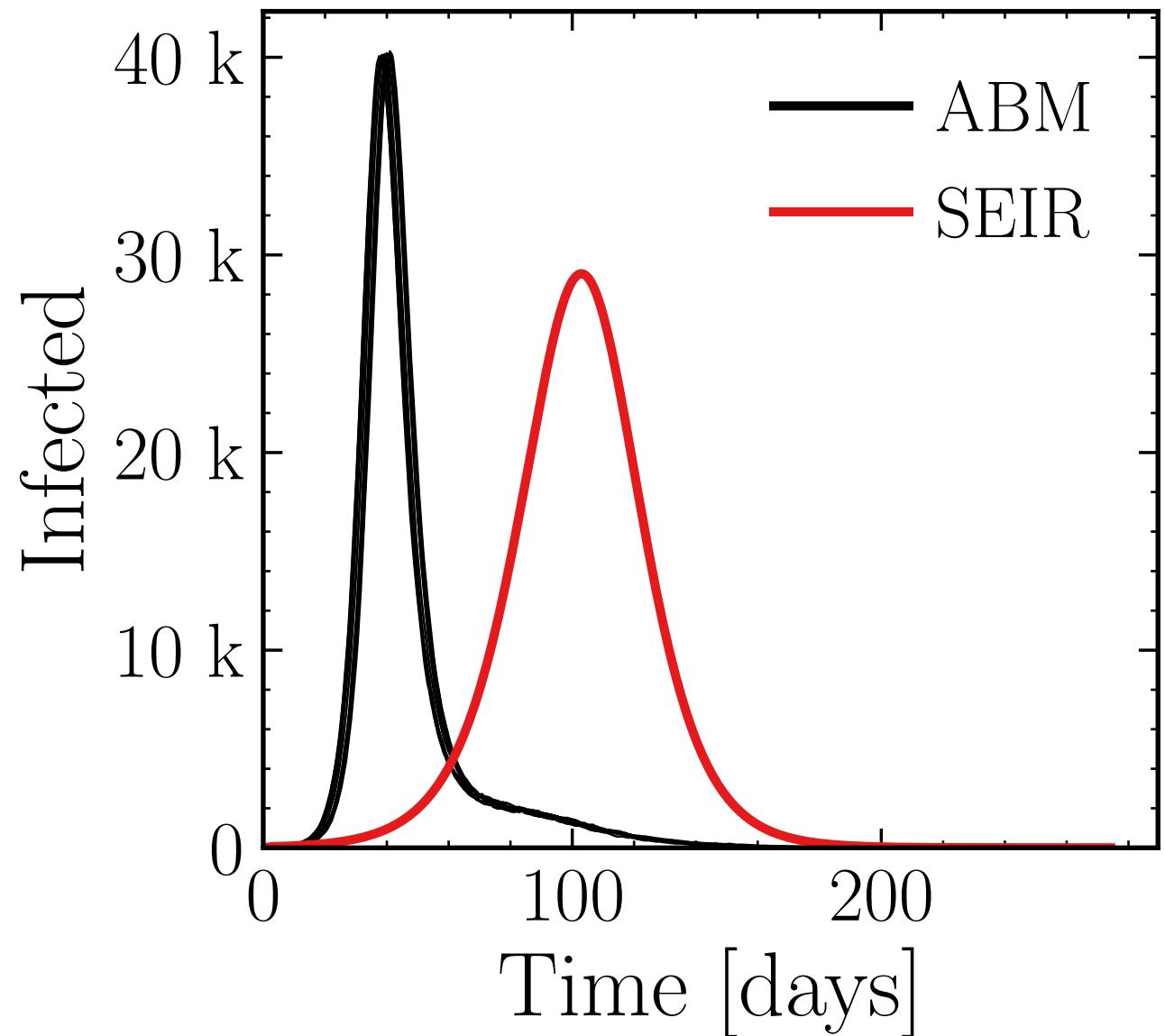
$$R_\infty^{\text{ABM}} = (128.5 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.07 \pm 0.13\%) \cdot 10^3$$

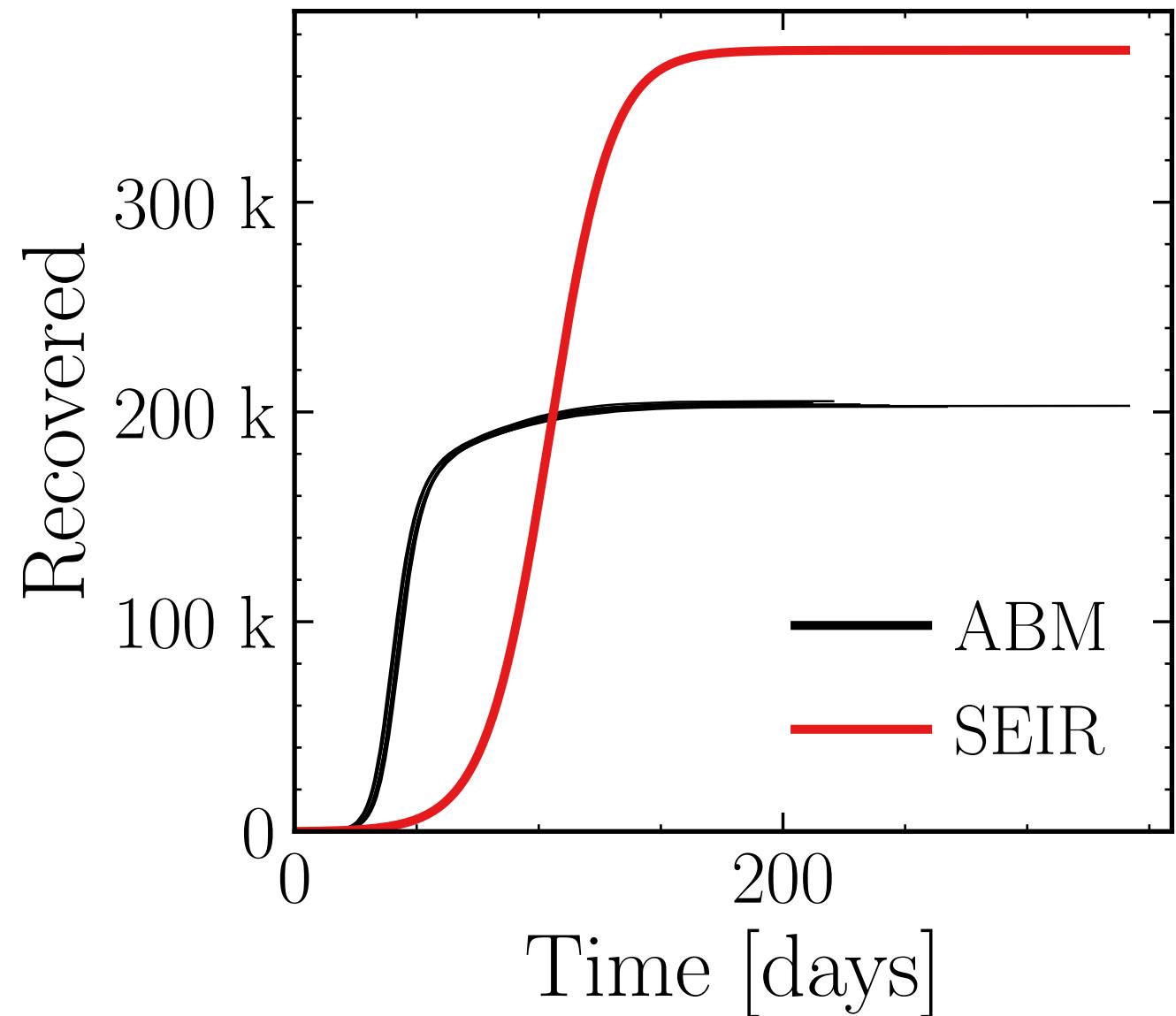
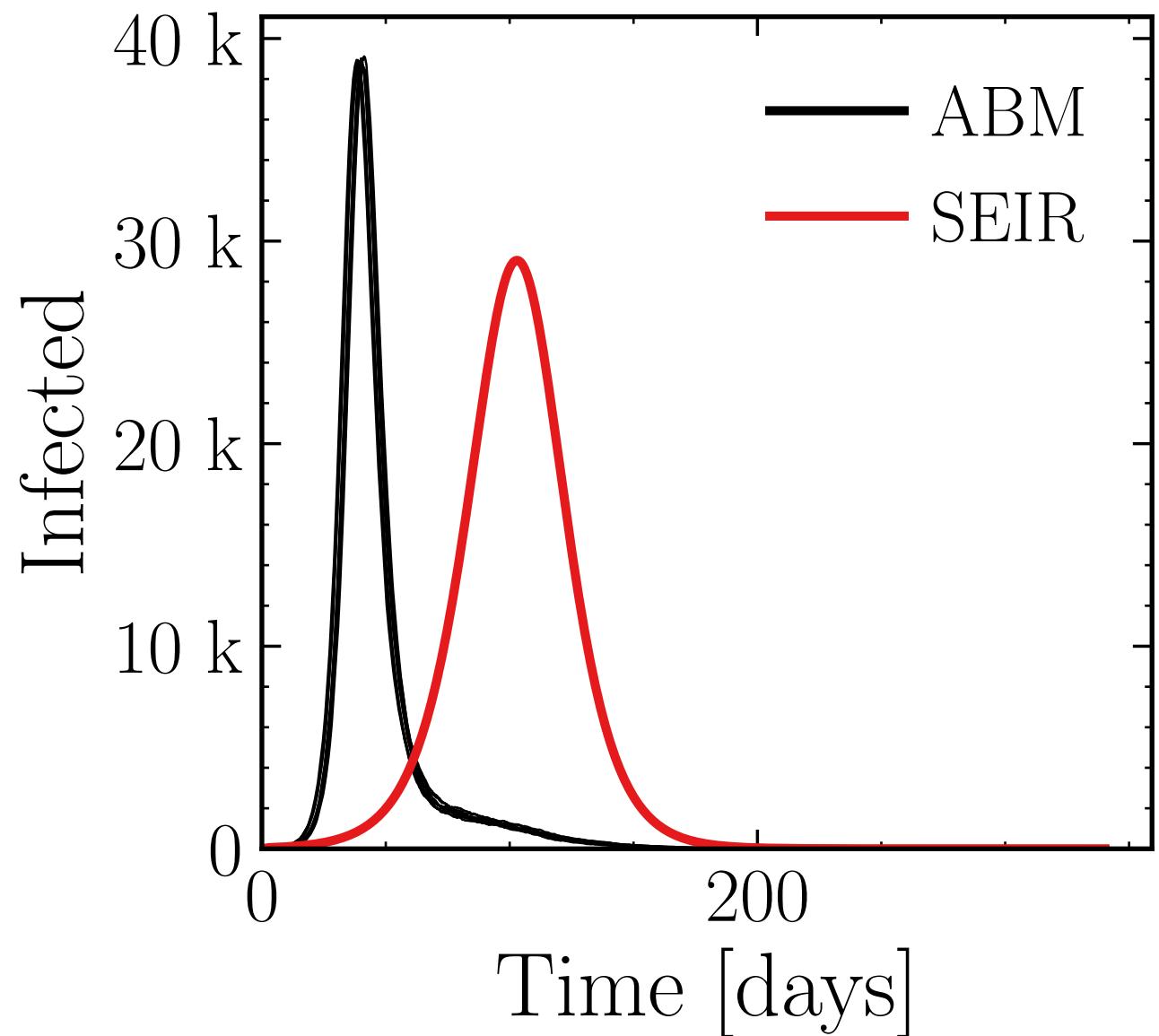
$$R_\infty^{\text{ABM}} = (210.5 \pm 0.069\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

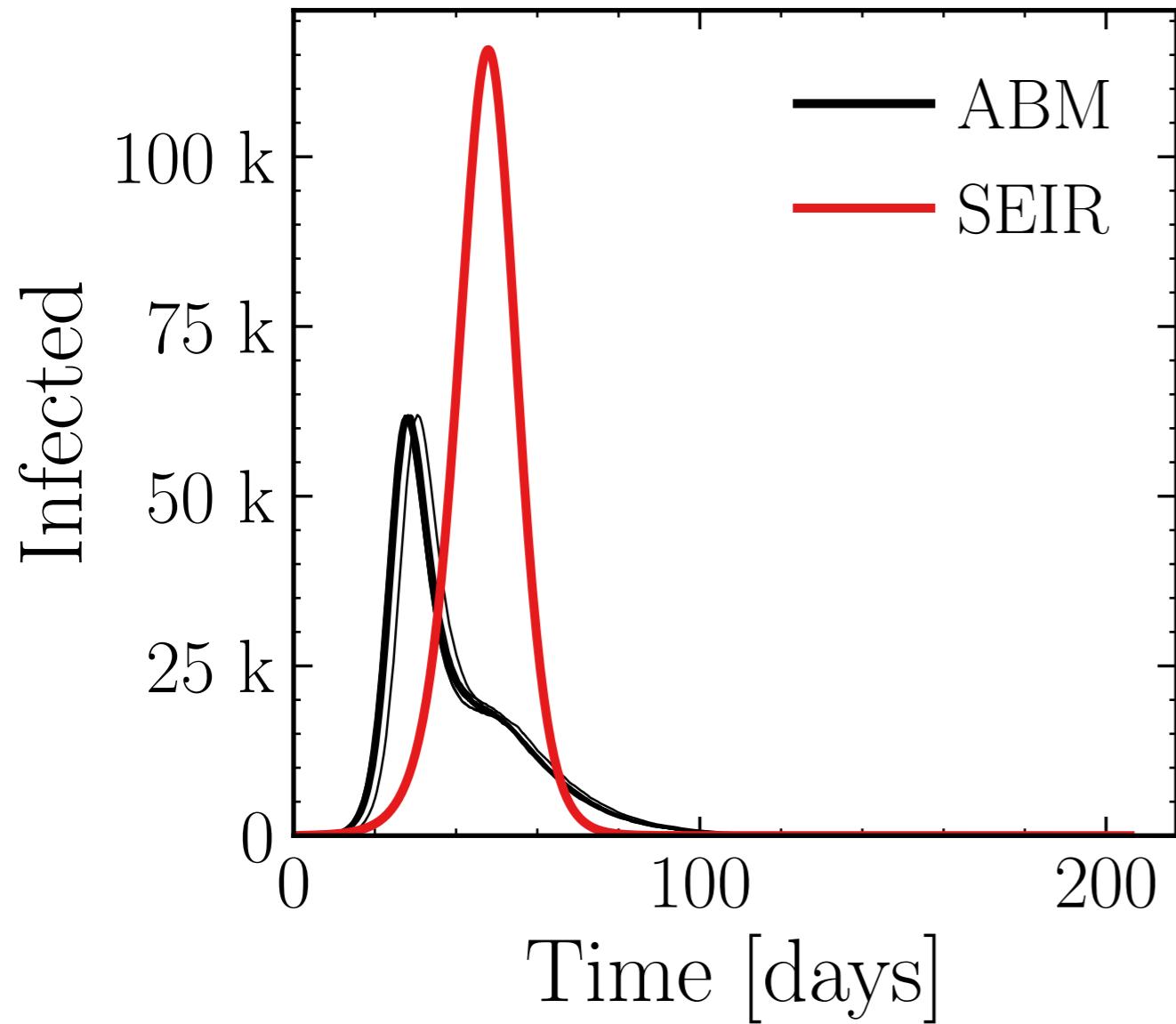
$$I_{\max}^{\text{ABM}} = (38.81 \pm 0.16\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (203.6 \pm 0.12\%) \cdot 10^3$$

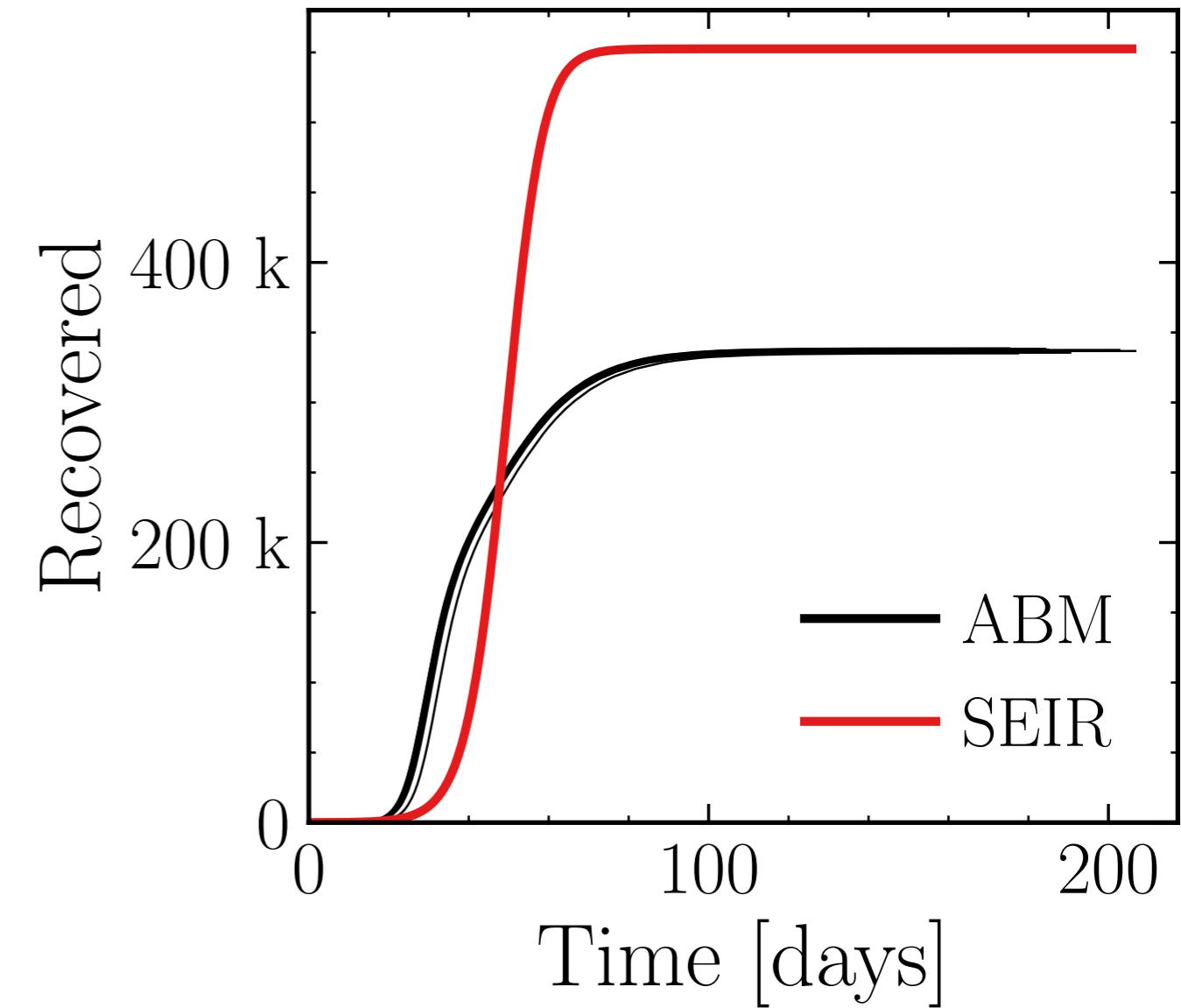


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (61.69 \pm 0.15\%) \cdot 10^3$$

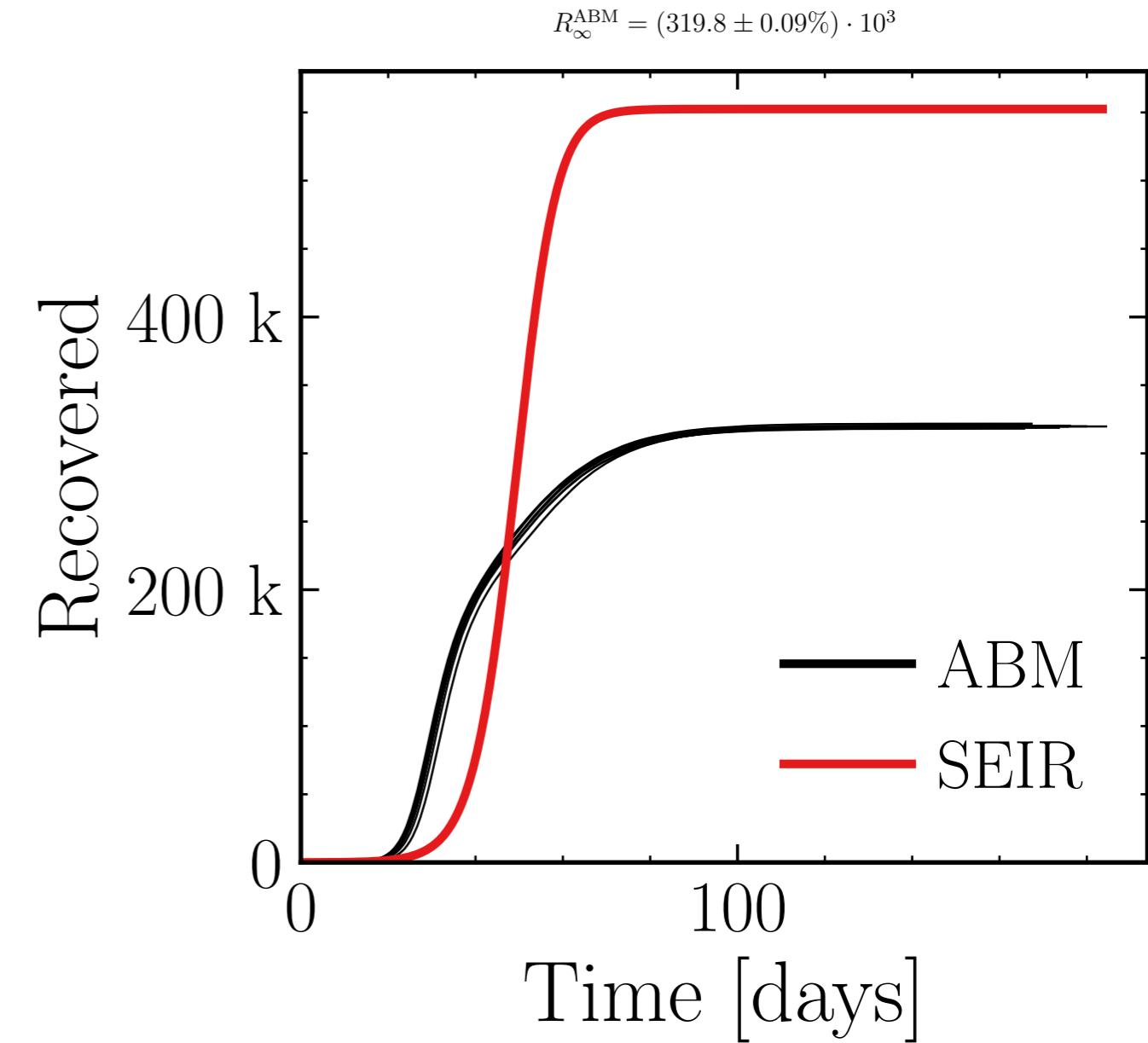
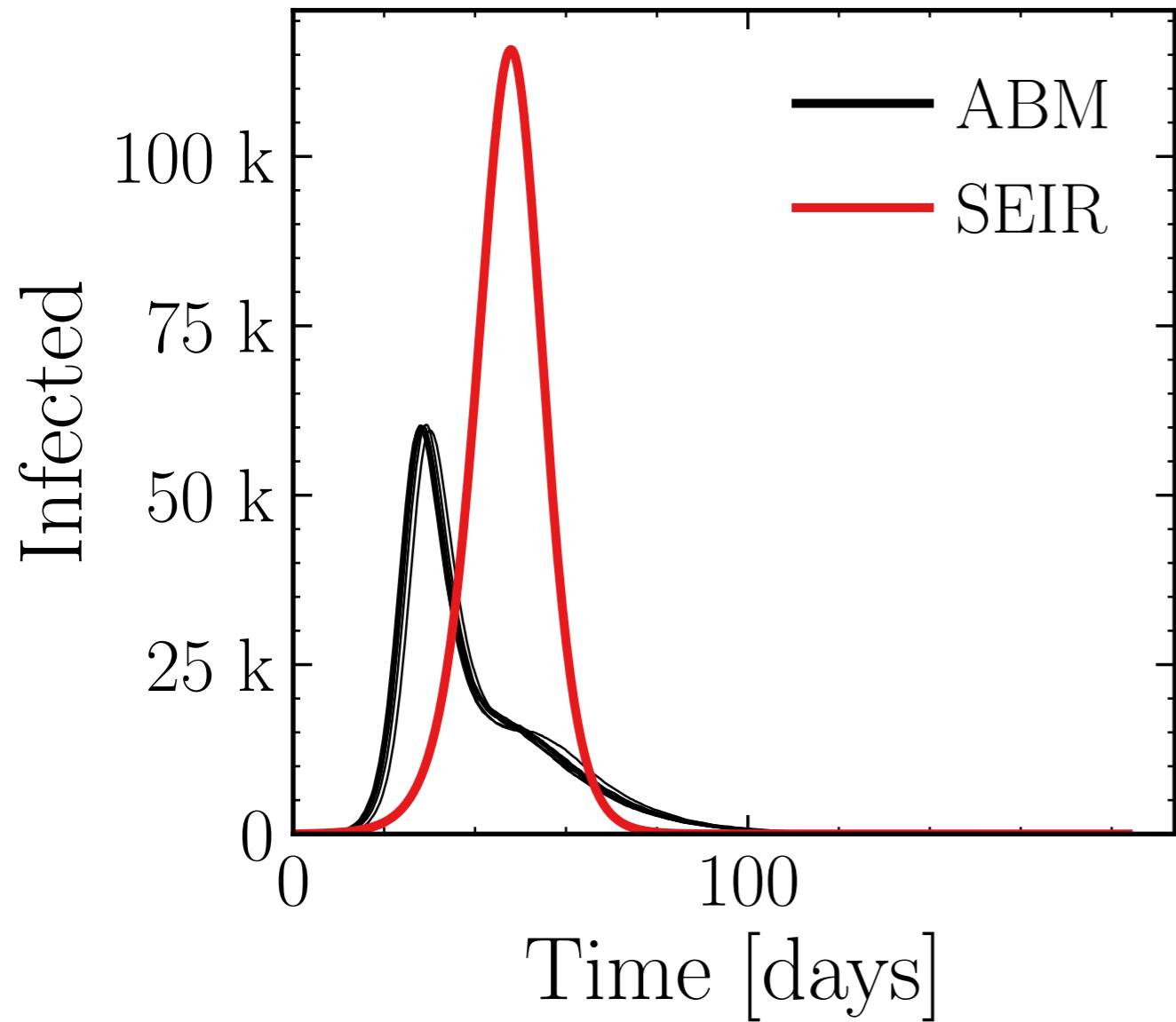


$$R_\infty^{\text{ABM}} = (336.9 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (60.03 \pm 0.14\%) \cdot 10^3$$

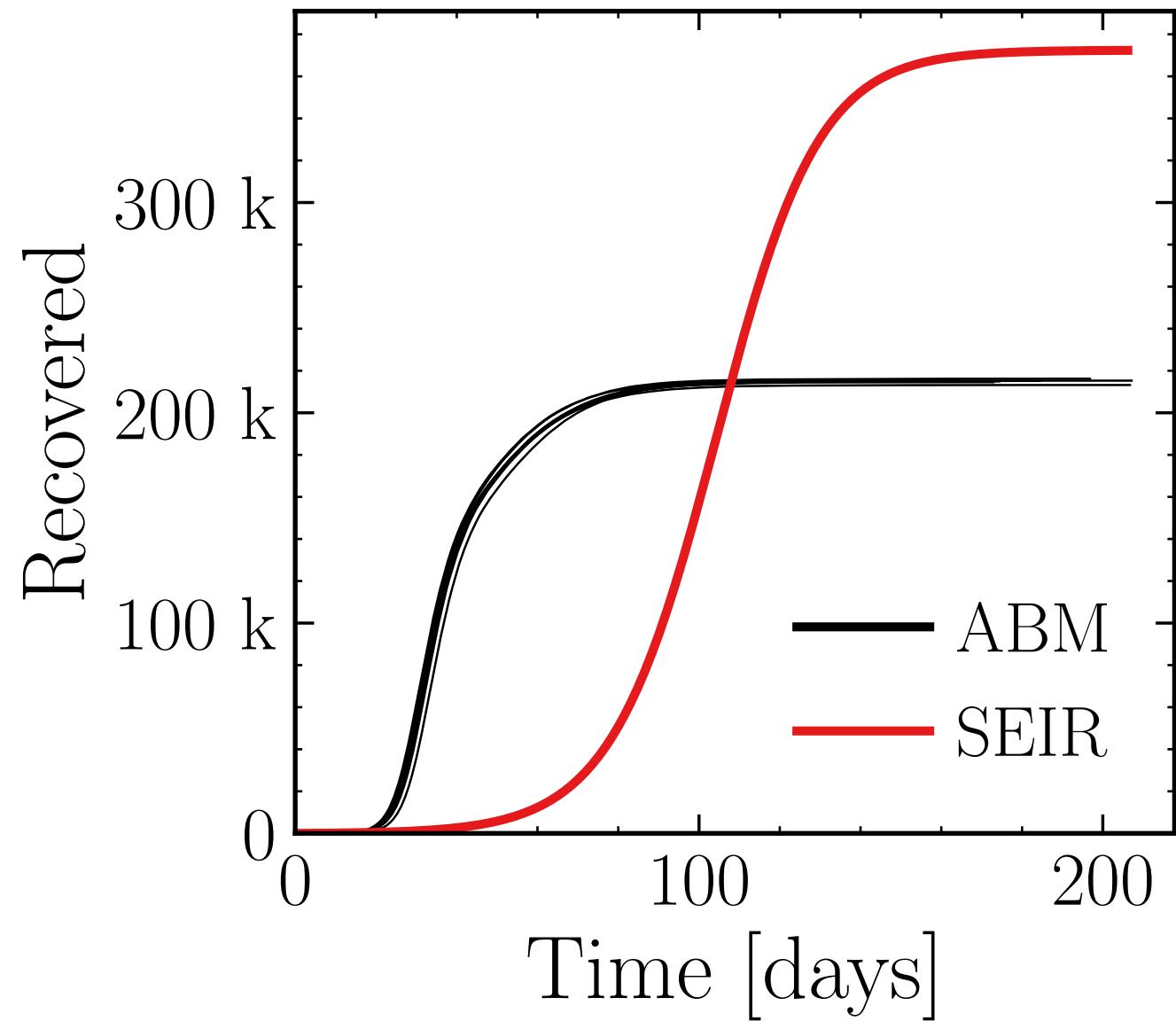
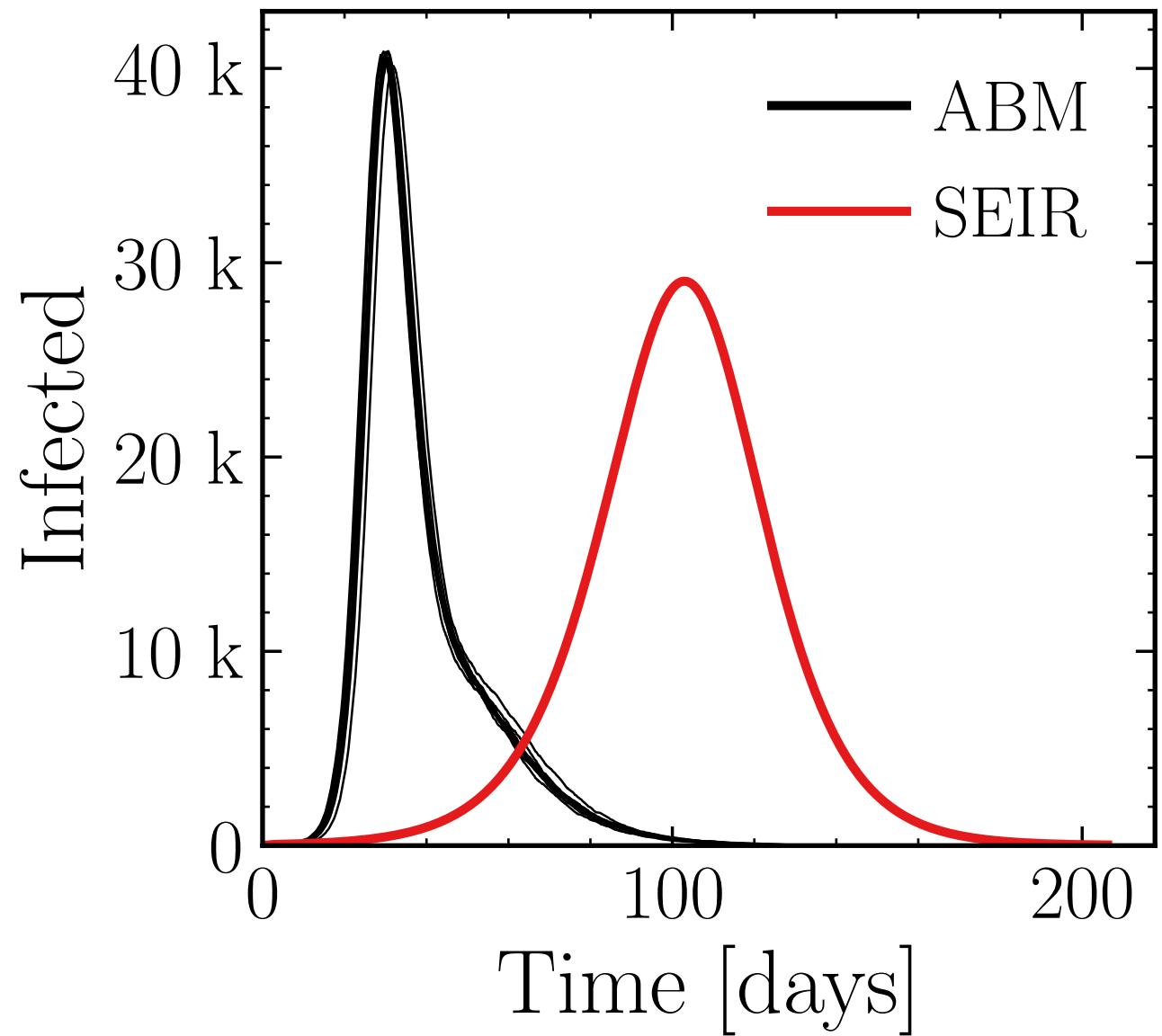


$$R_{\infty}^{\text{ABM}} = (319.8 \pm 0.09\%) \cdot 10^3$$

$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.64 \pm 0.17\%) \cdot 10^3$$

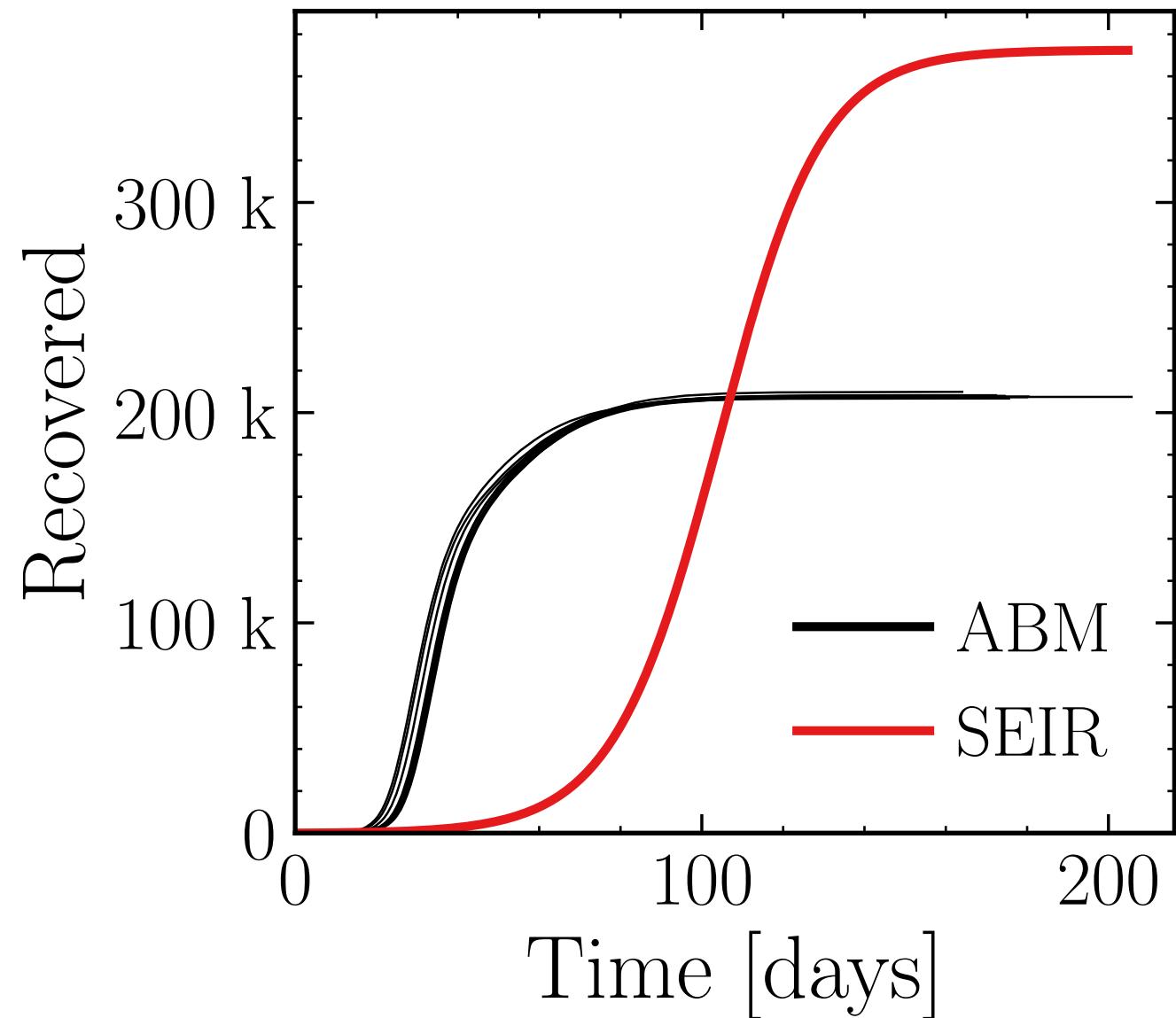
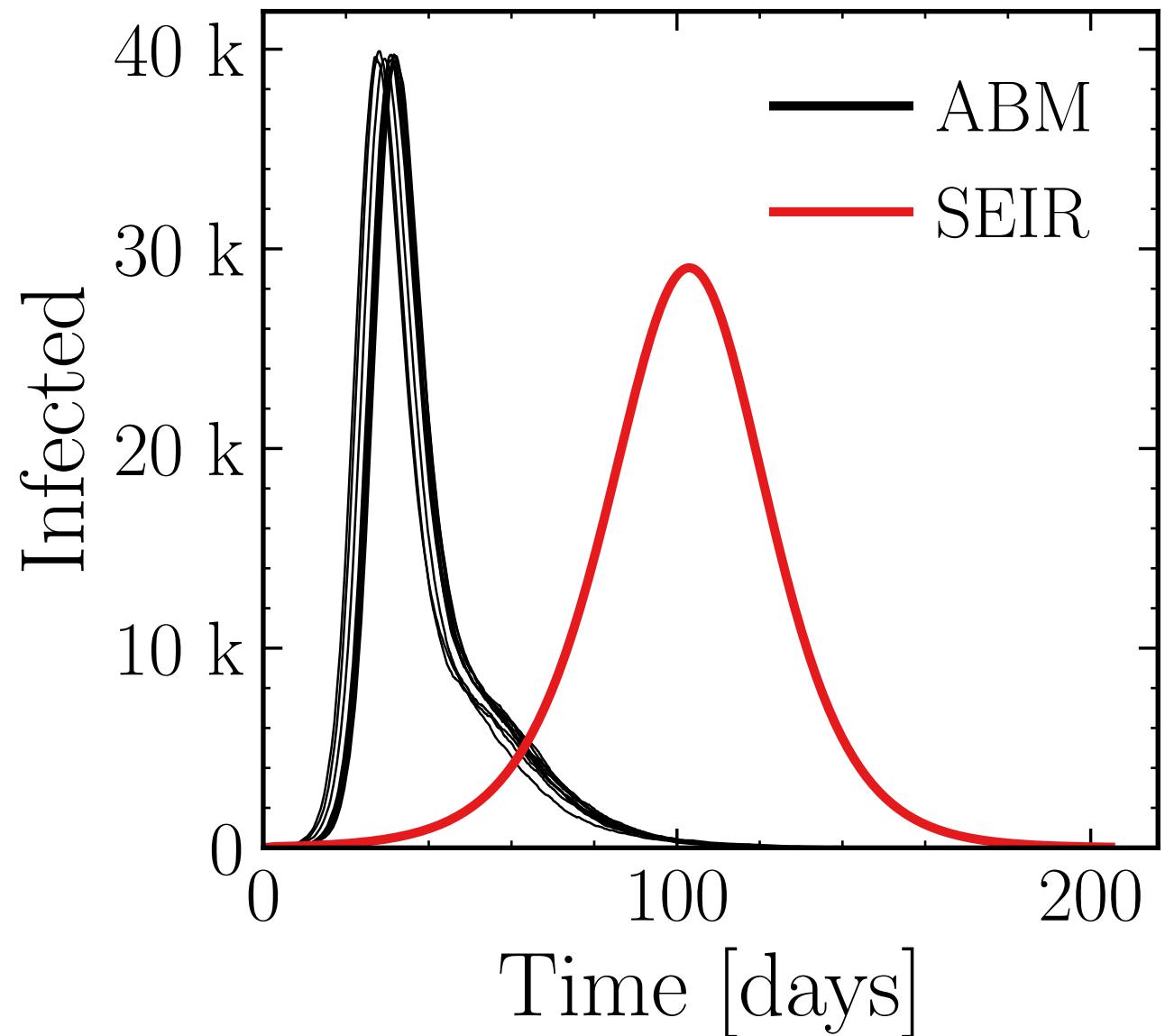
$$R_\infty^{\text{ABM}} = (215.1 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.02$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

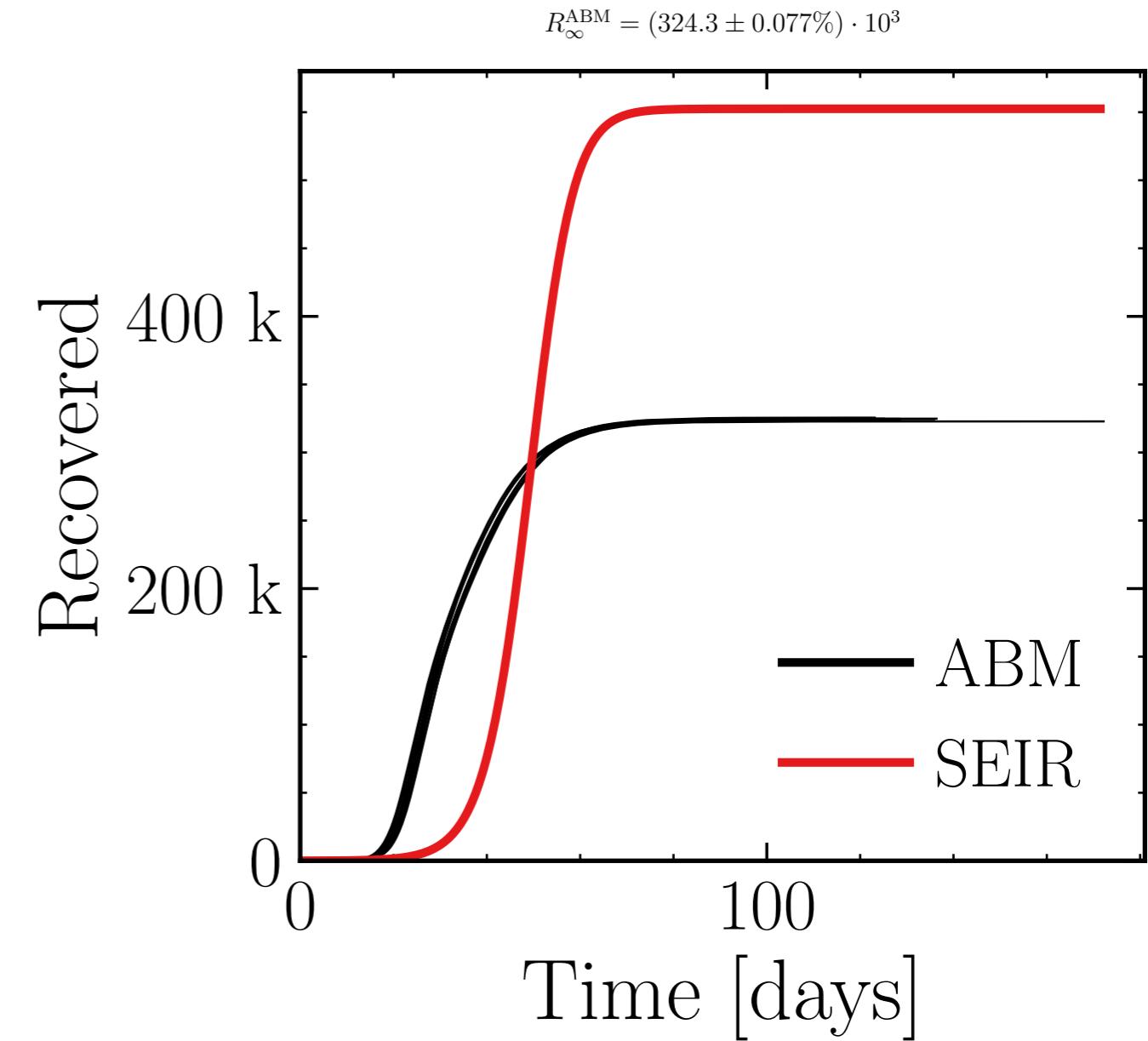
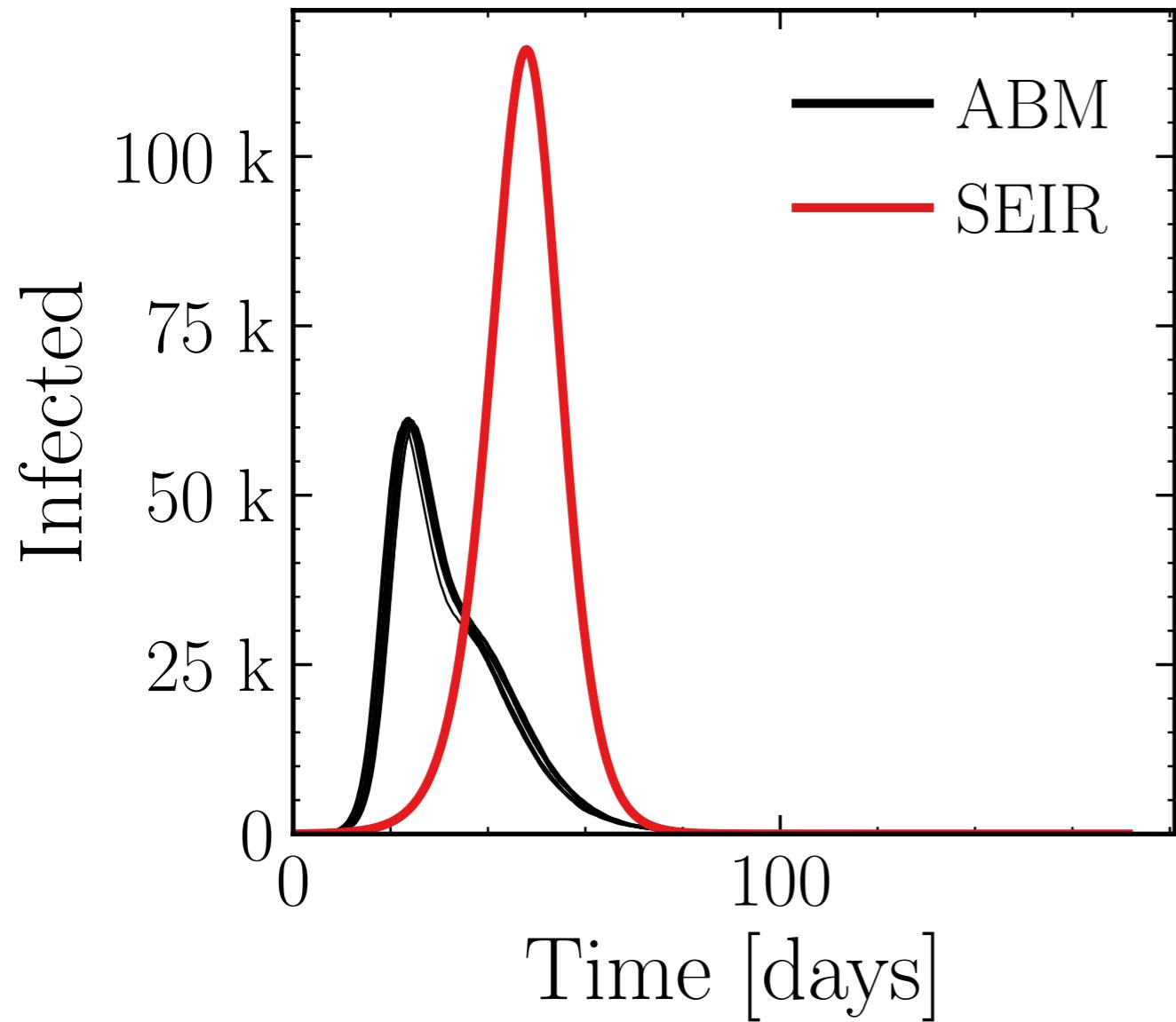
$$I_{\max}^{\text{ABM}} = (39.56 \pm 0.16\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (207.8 \pm 0.12\%) \cdot 10^3$$



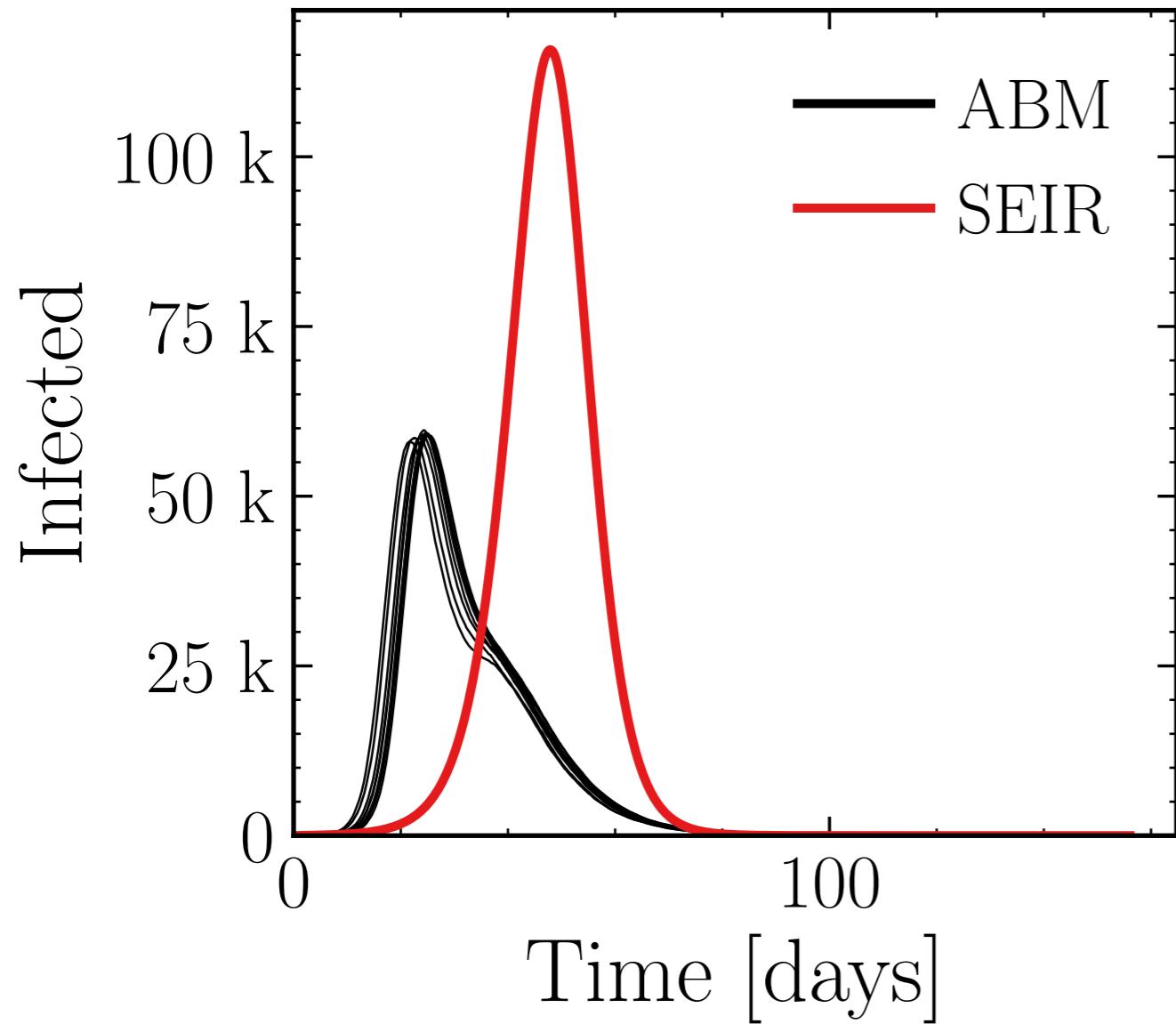
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (60.7 \pm 0.22\%) \cdot 10^3$$

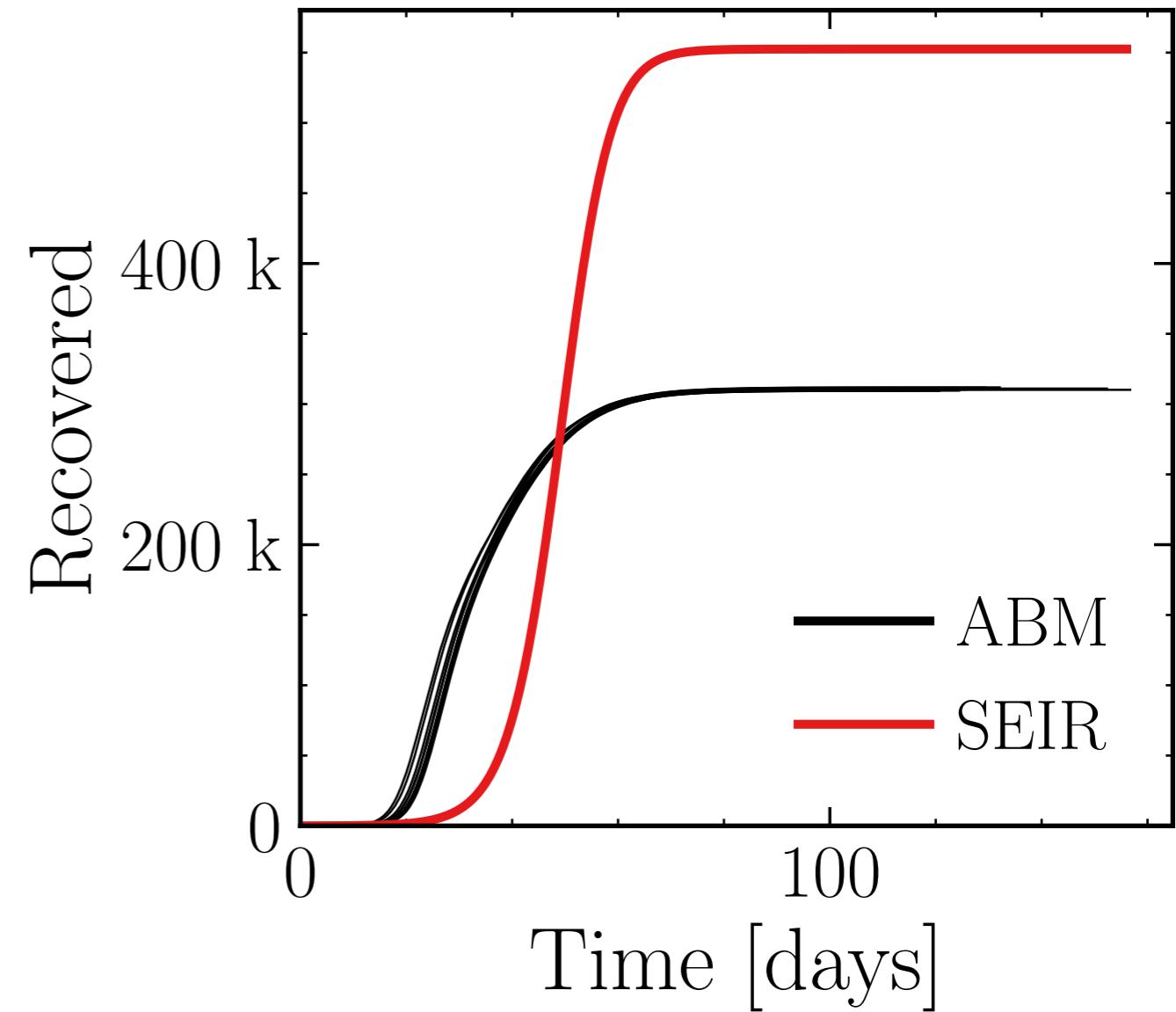


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 1.0$, $\beta = 0.04$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (59 \pm 0.23\%) \cdot 10^3$$



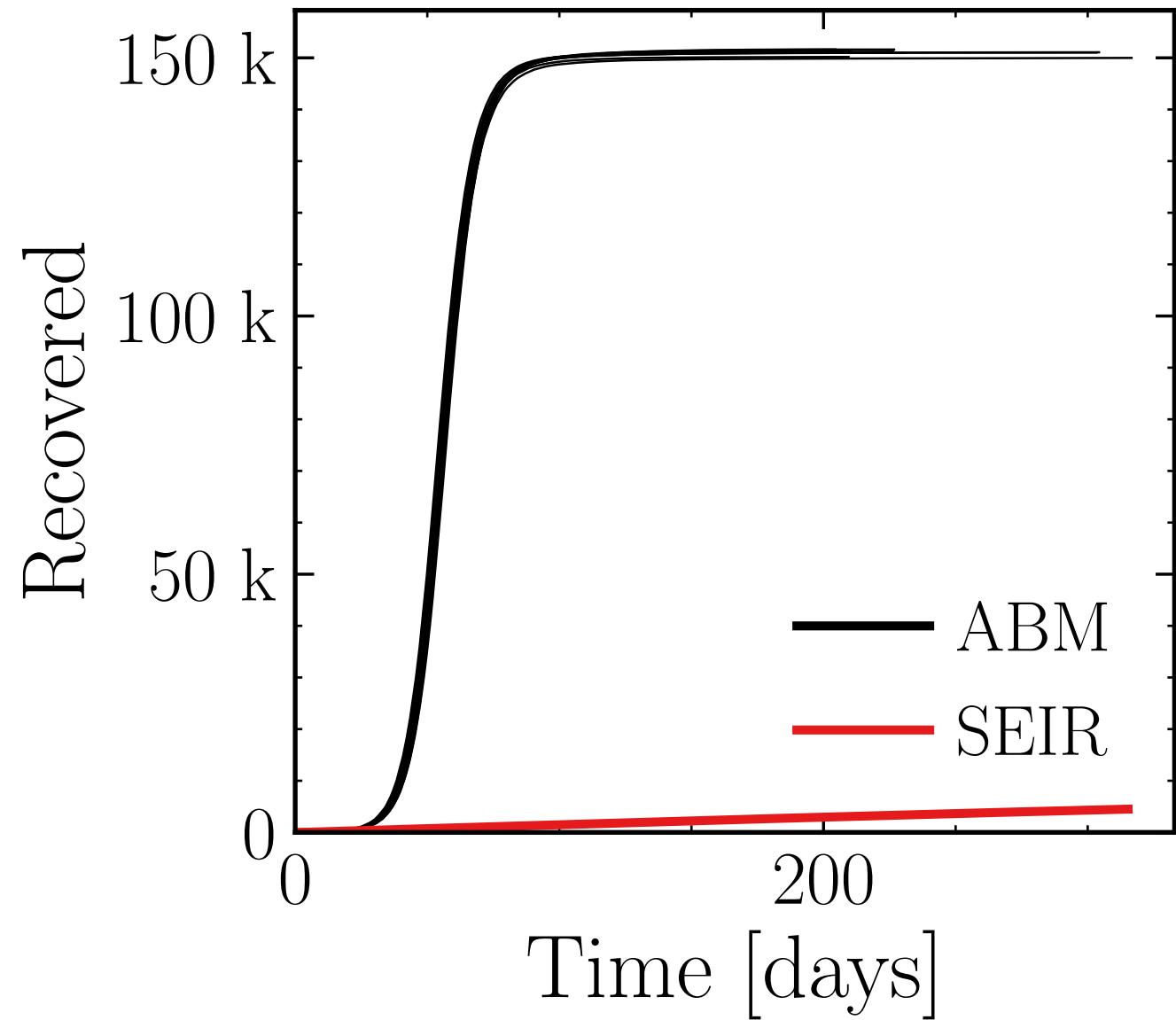
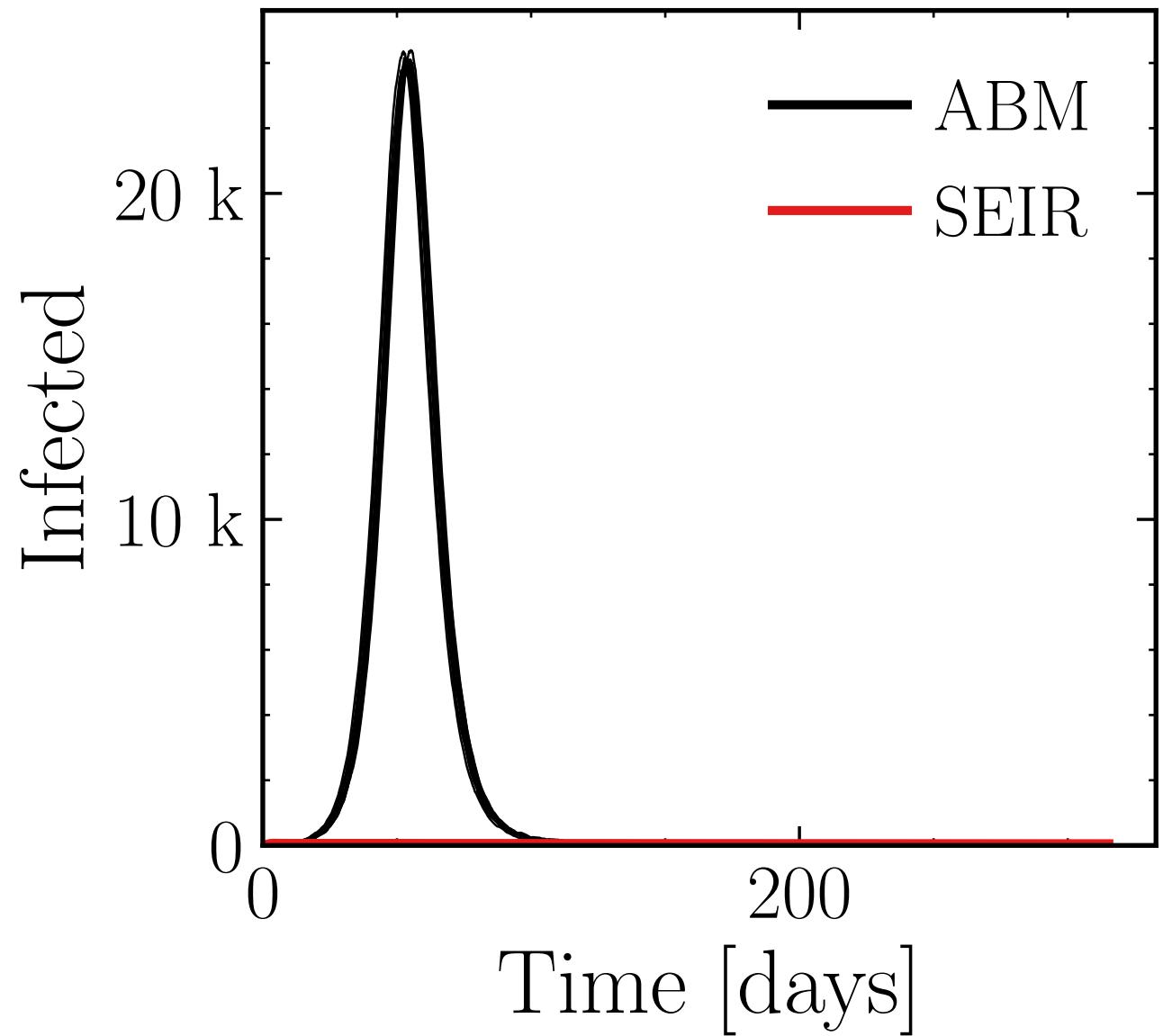
$$R_{\infty}^{\text{ABM}} = (310.5 \pm 0.084\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 25.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (24.12 \pm 0.21\%) \cdot 10^3$$

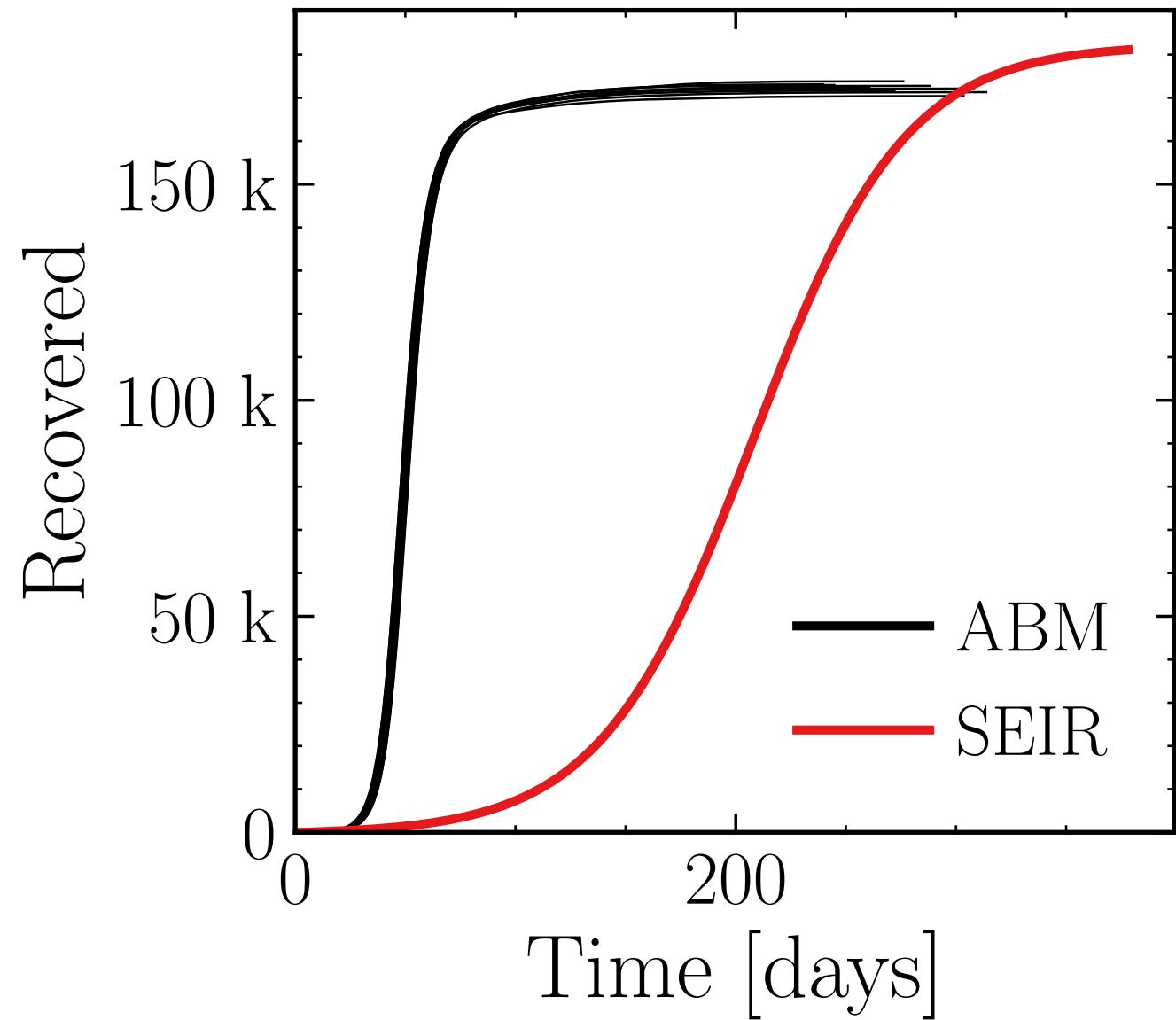
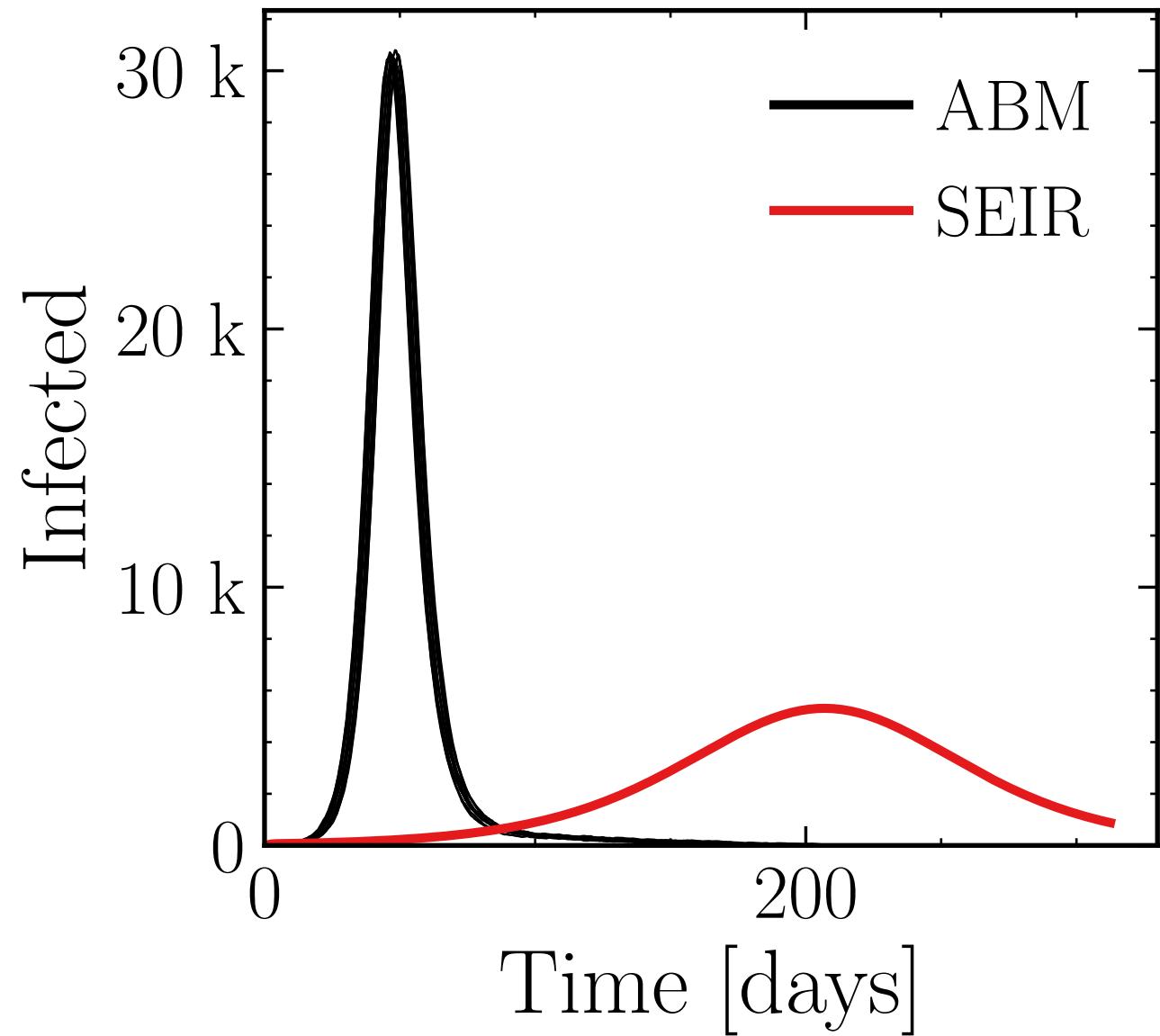
$$R_\infty^{\text{ABM}} = (151 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 30.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

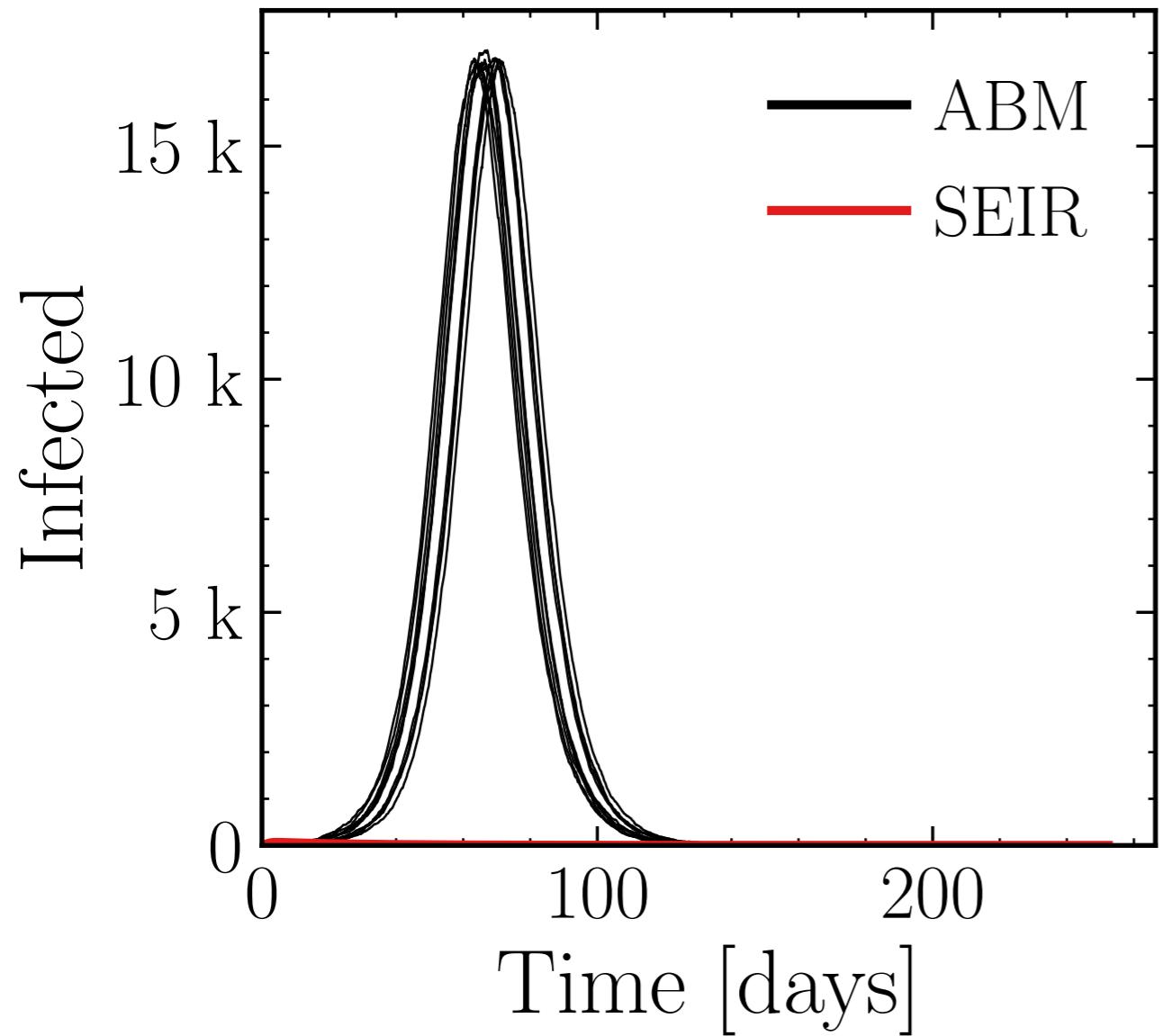
$$I_{\max}^{\text{ABM}} = (30.57 \pm 0.13\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (172.3 \pm 0.17\%) \cdot 10^3$$

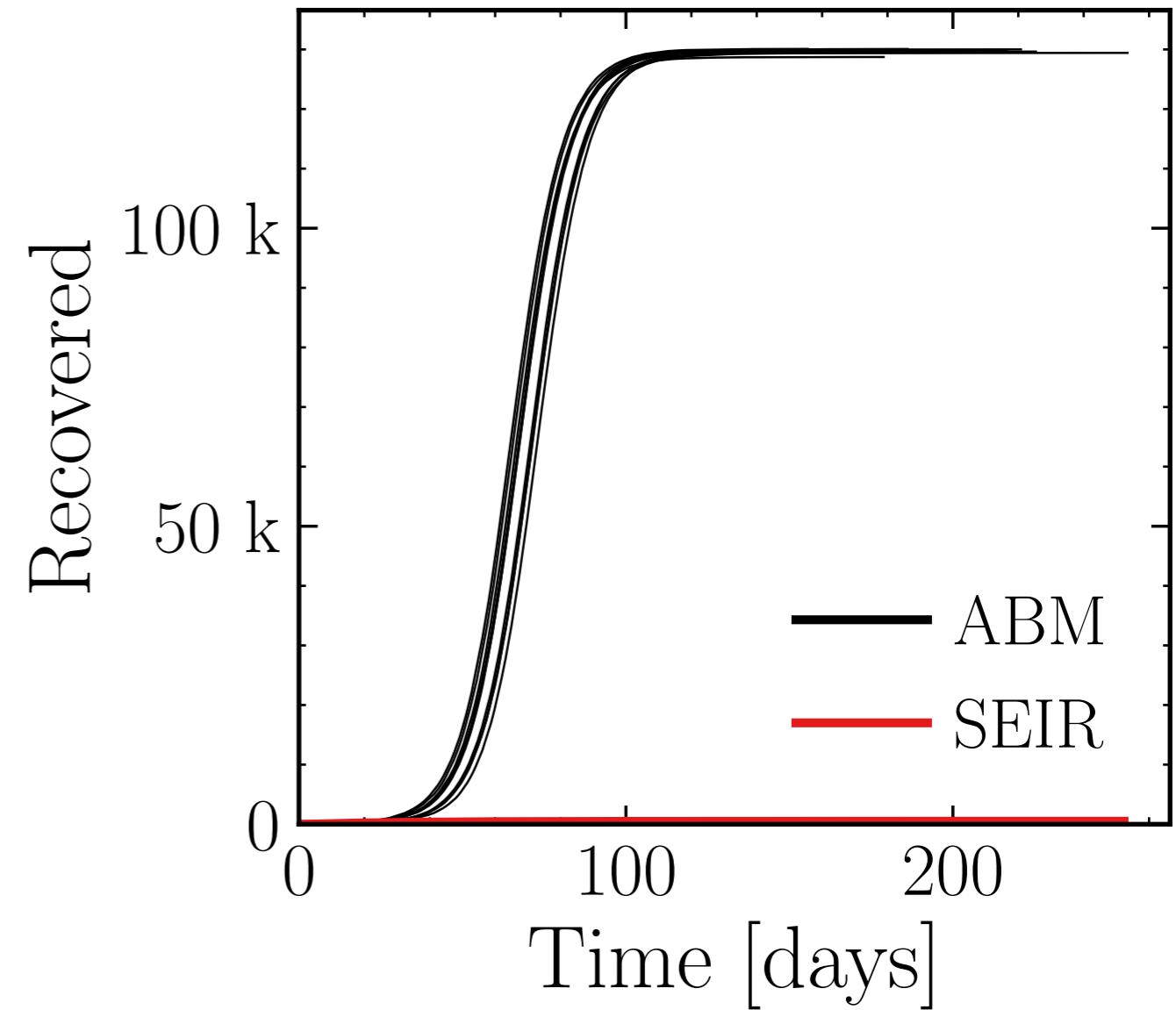


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

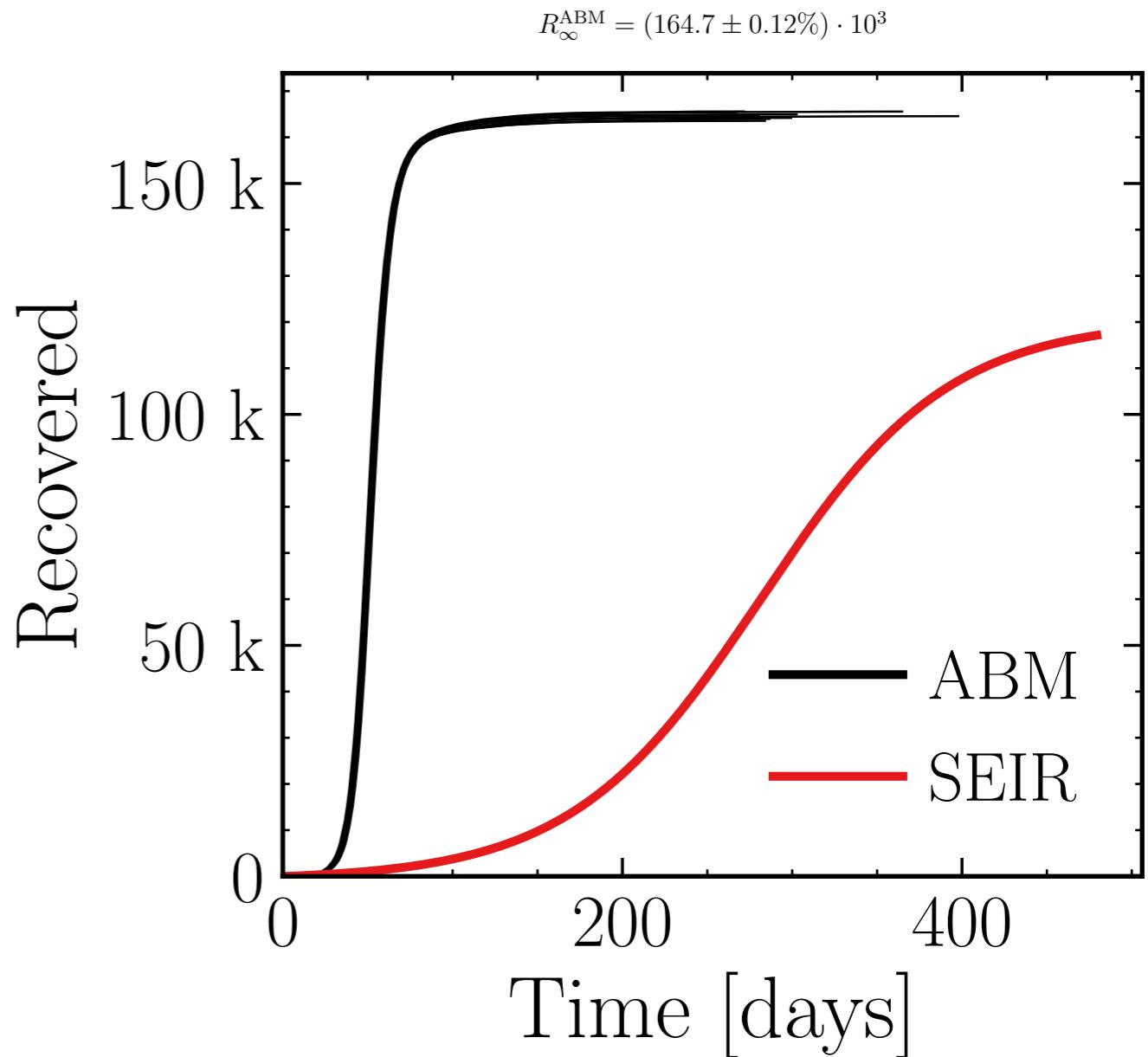
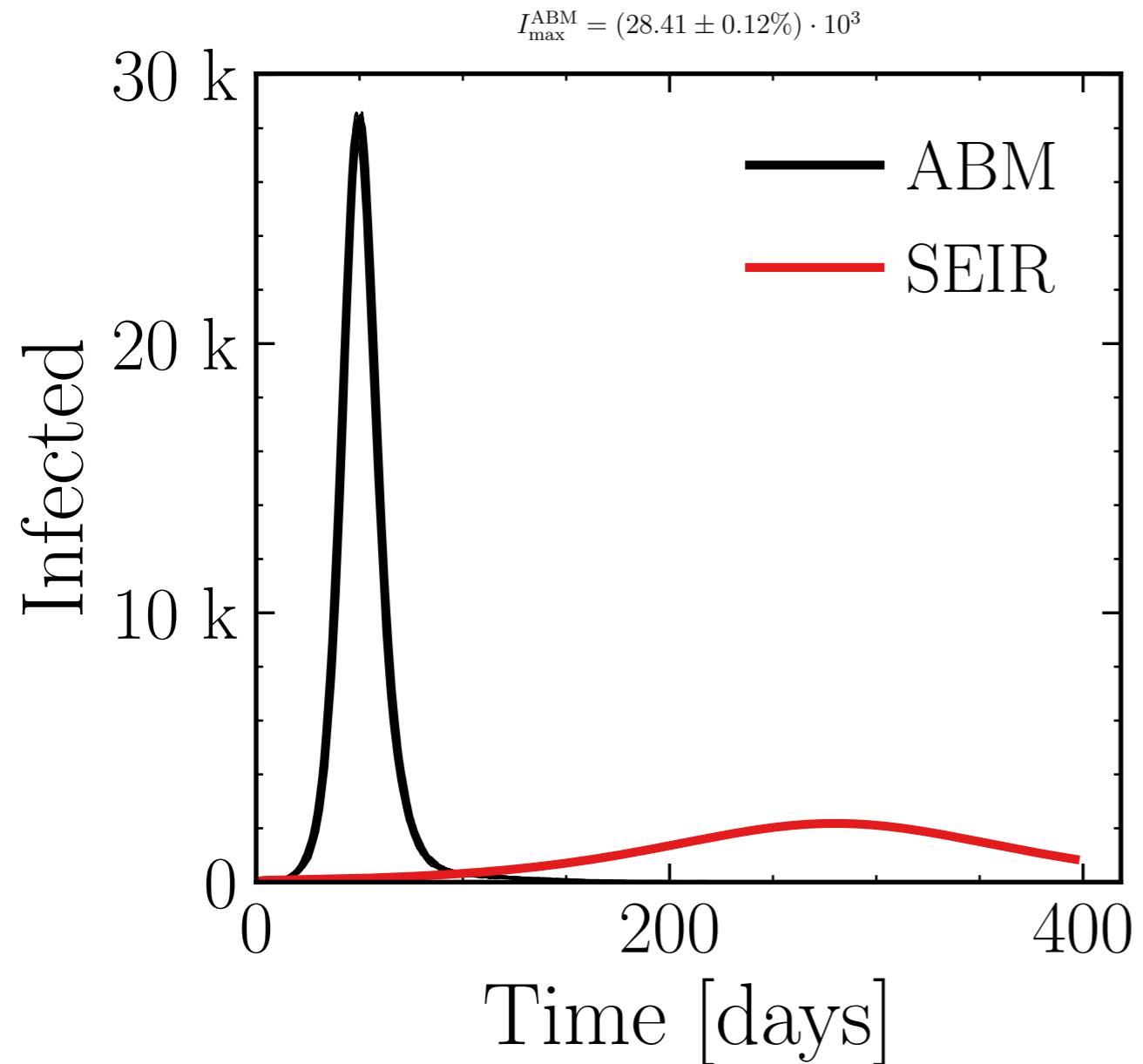
$$I_{\max}^{\text{ABM}} = (16.84 \pm 0.18\%) \cdot 10^3$$



$$R_\infty^{\text{ABM}} = (129.7 \pm 0.093\%) \cdot 10^3$$



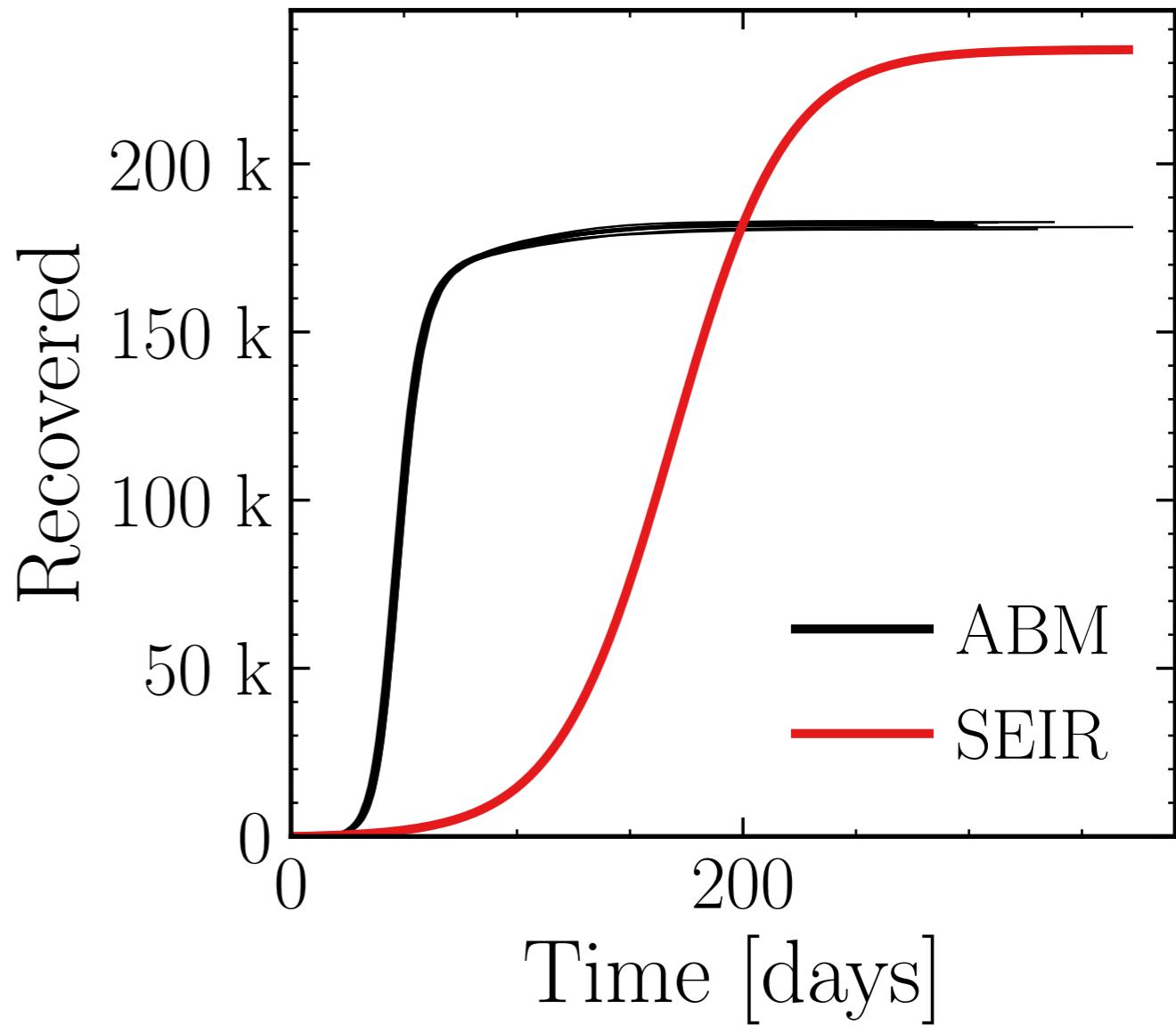
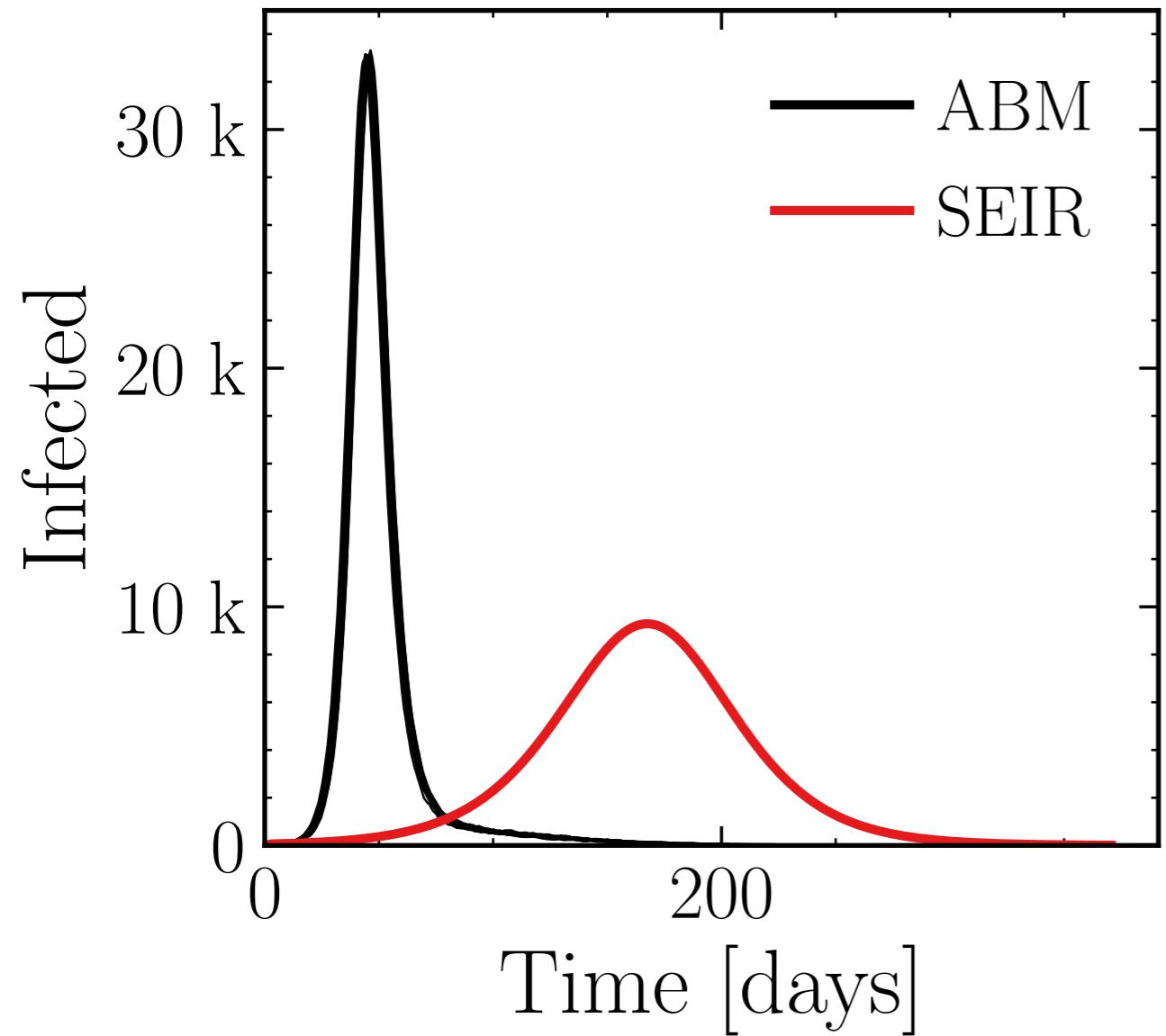
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.007$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.008$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (32.97 \pm 0.22\%) \cdot 10^3$$

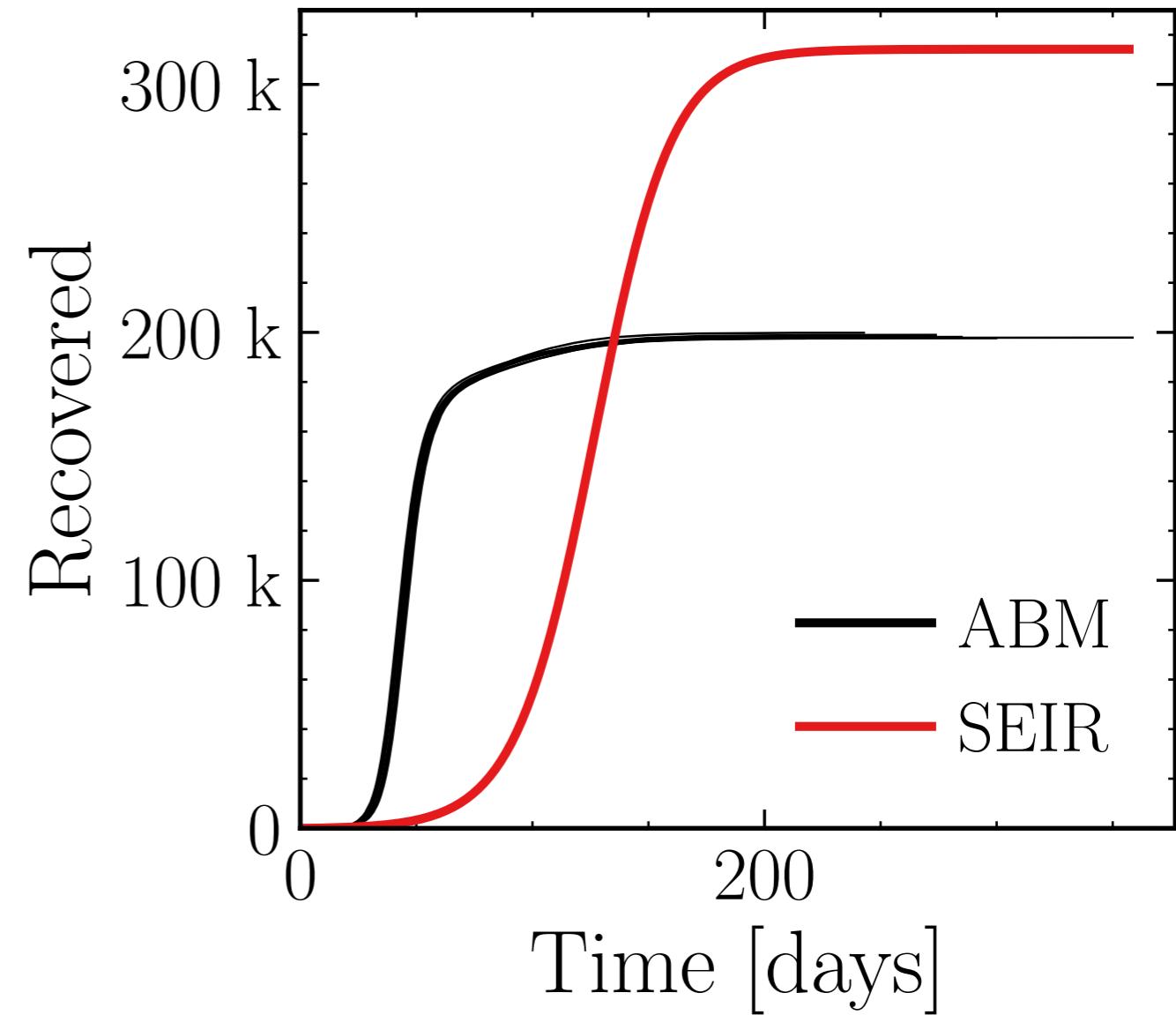
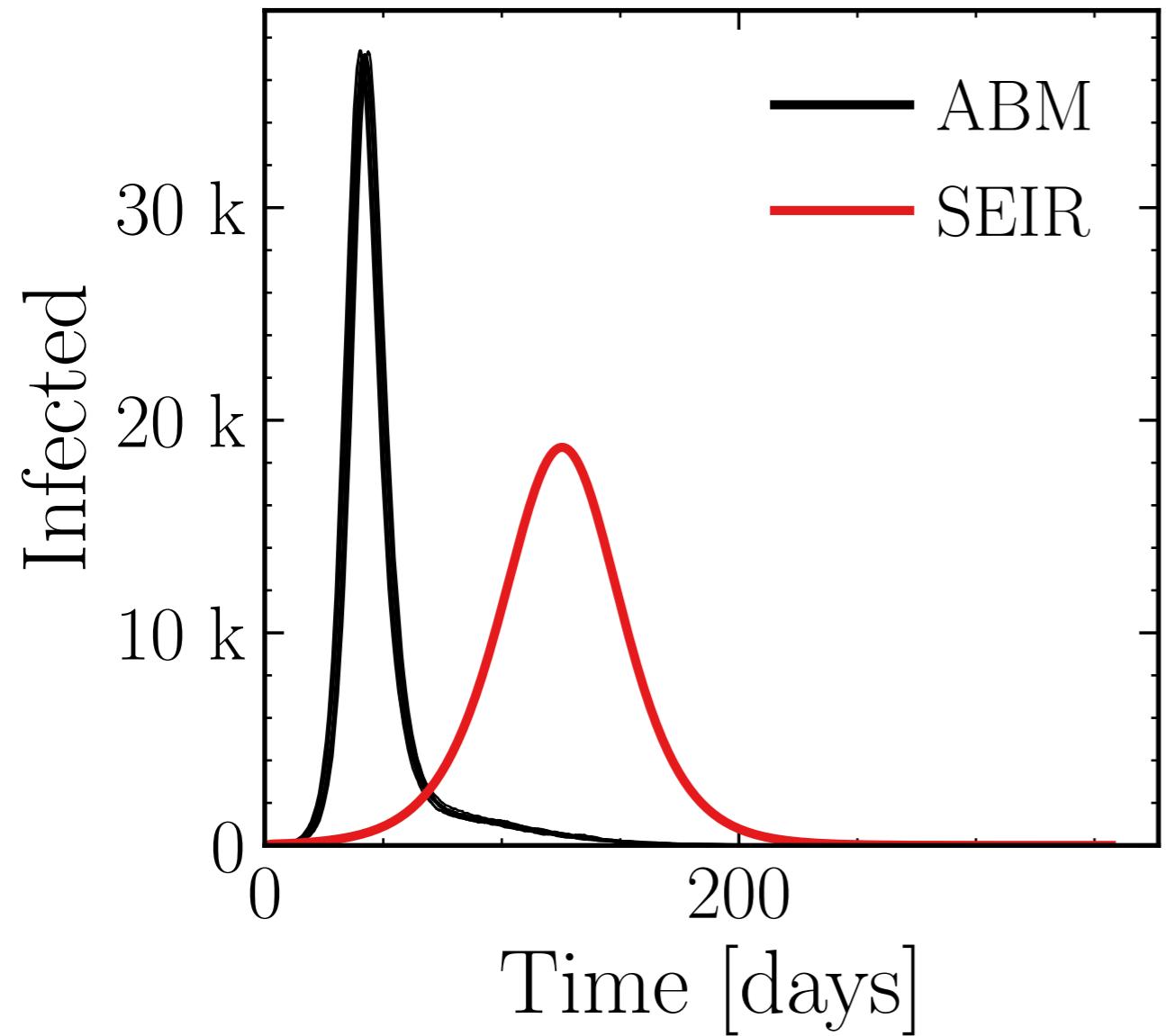
$$R_\infty^{\text{ABM}} = (182.1 \pm 0.12\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.009$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (37.09 \pm 0.19\%) \cdot 10^3$$

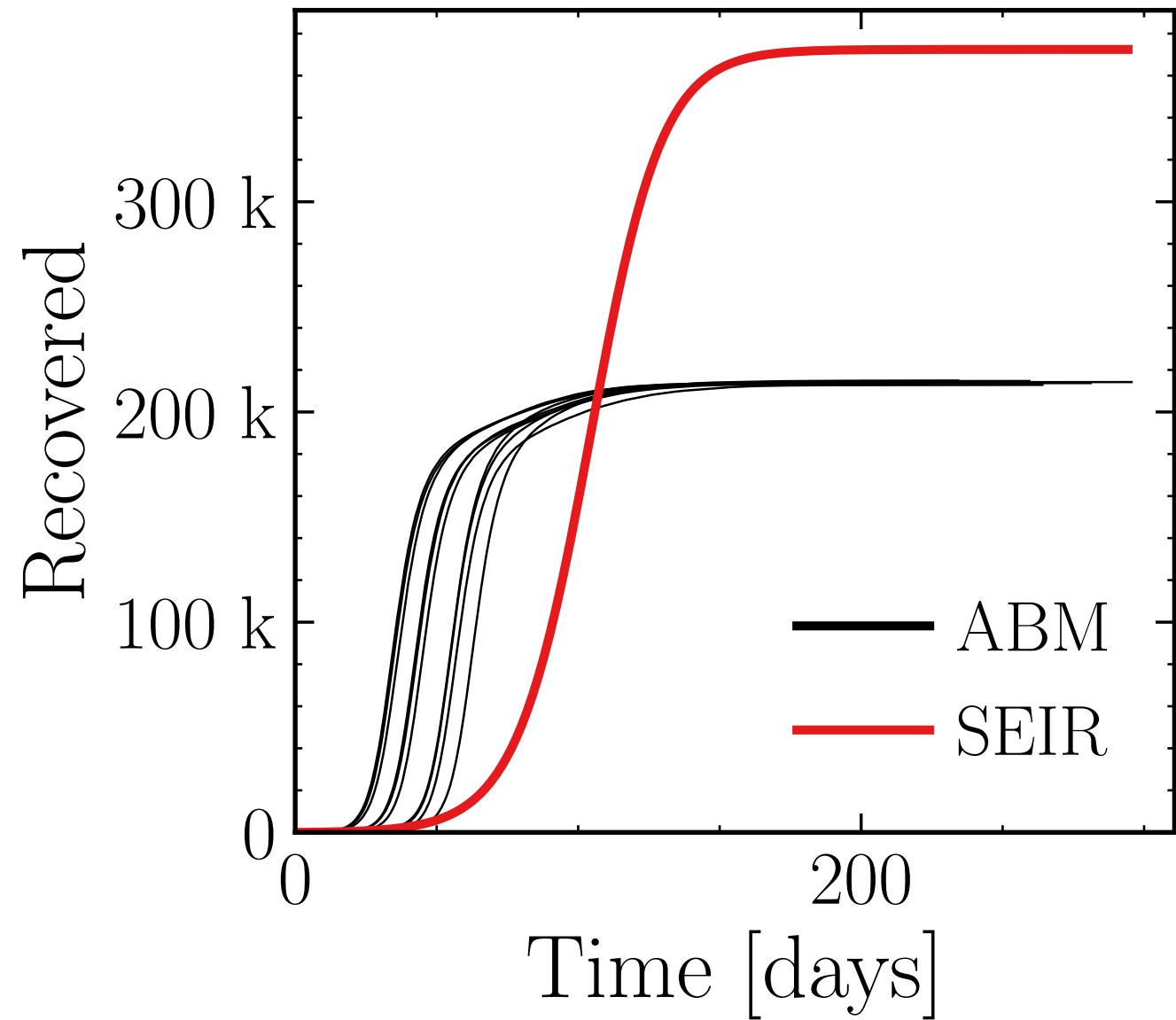
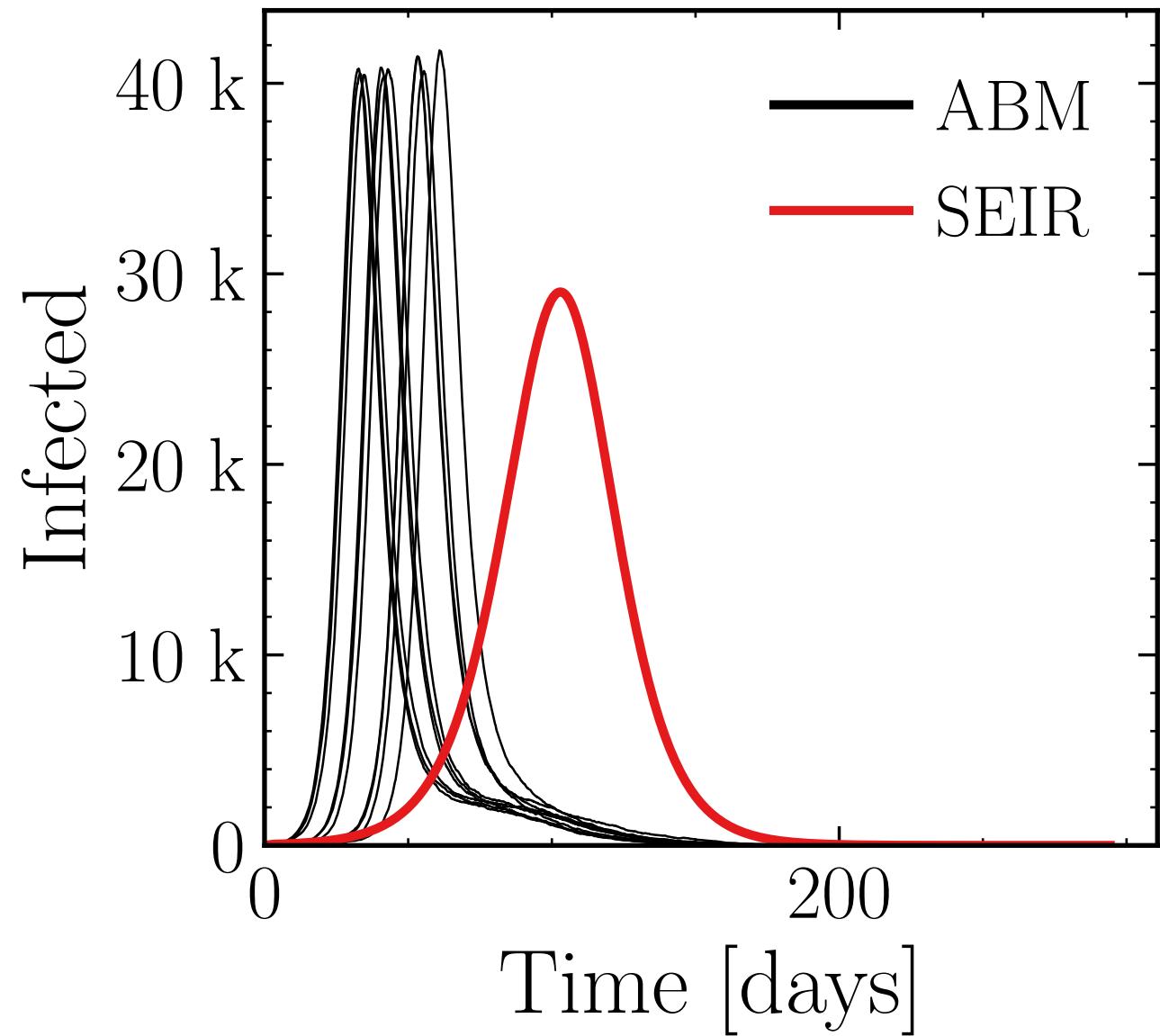
$$R_\infty^{\text{ABM}} = (198.3 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = False, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.9 \pm 0.35\%) \cdot 10^3$$

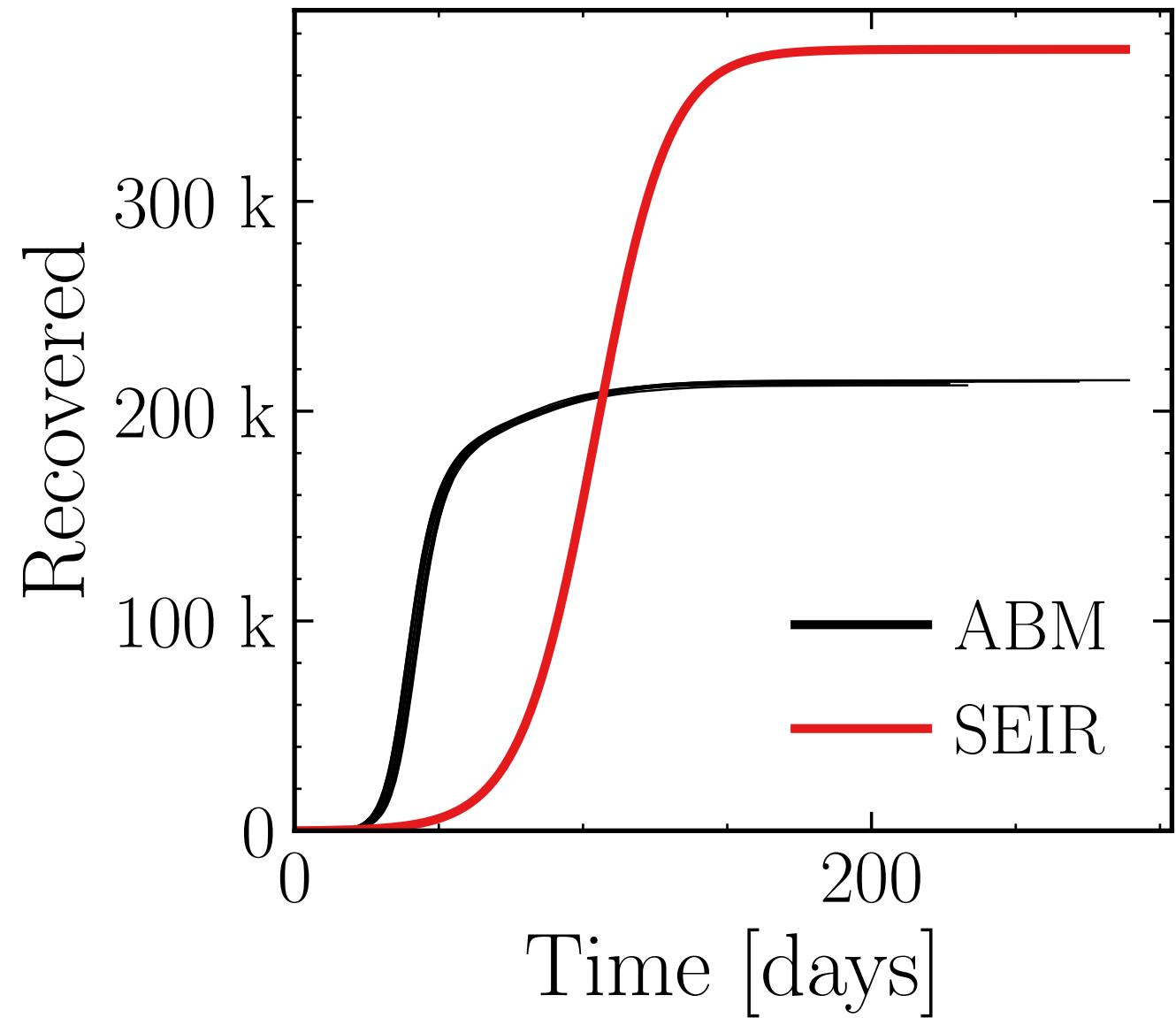
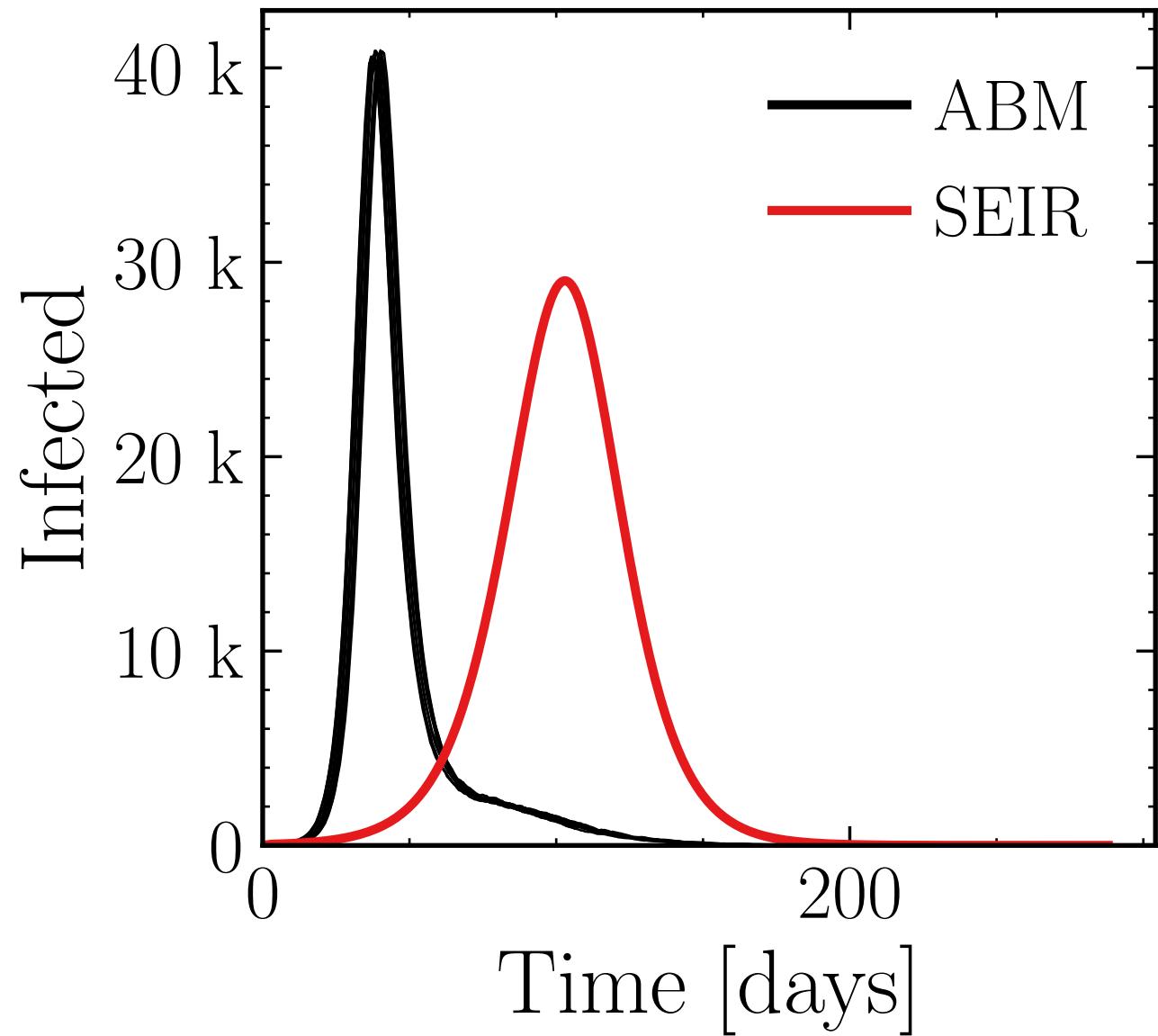
$$R_\infty^{\text{ABM}} = (214.1 \pm 0.083\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.69 \pm 0.13\%) \cdot 10^3$$

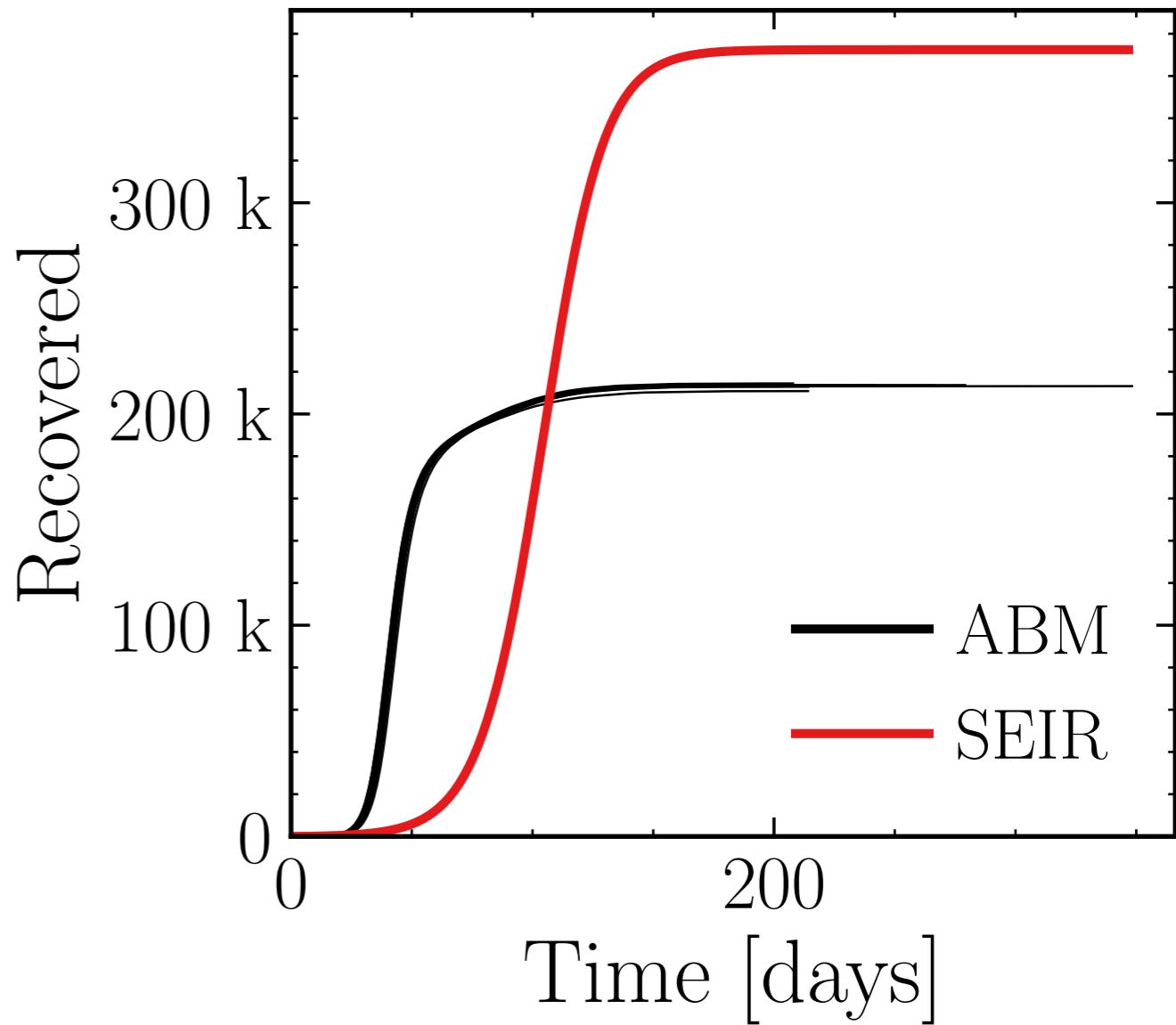
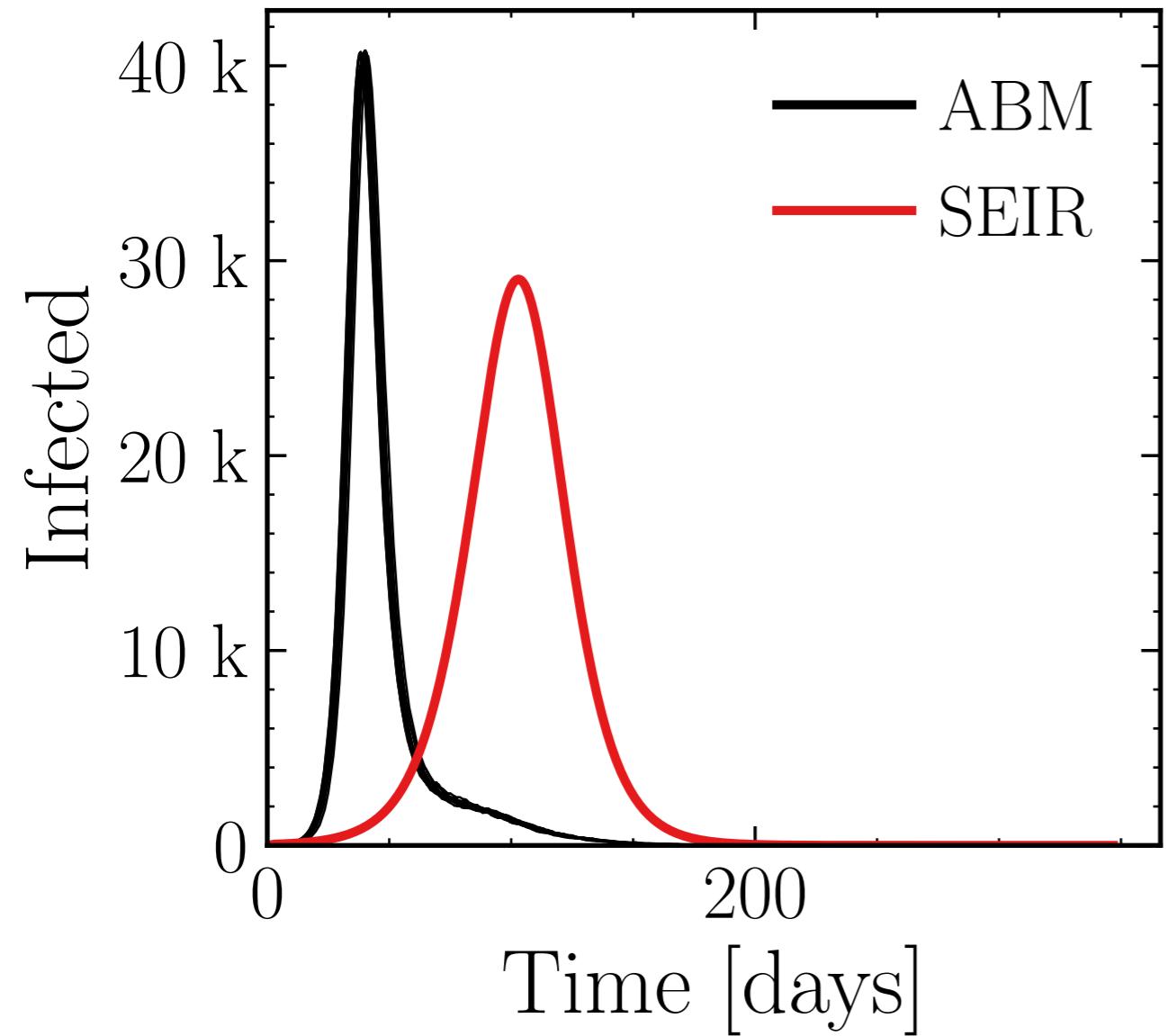
$$R_\infty^{\text{ABM}} = (214 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.53 \pm 0.16\%) \cdot 10^3$$

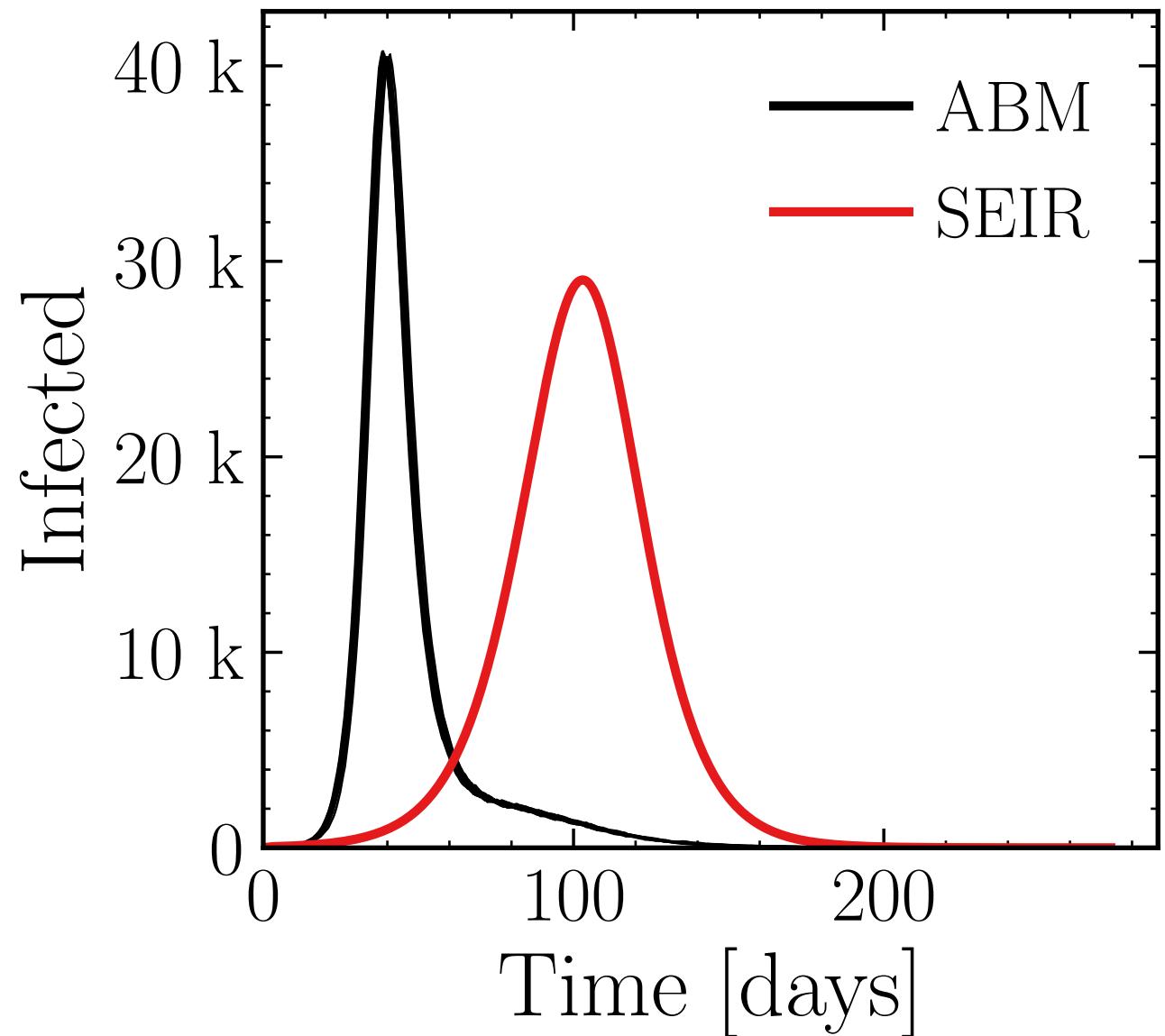
$$R_\infty^{\text{ABM}} = (213.3 \pm 0.13\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.45 \pm 0.13\%) \cdot 10^3$$

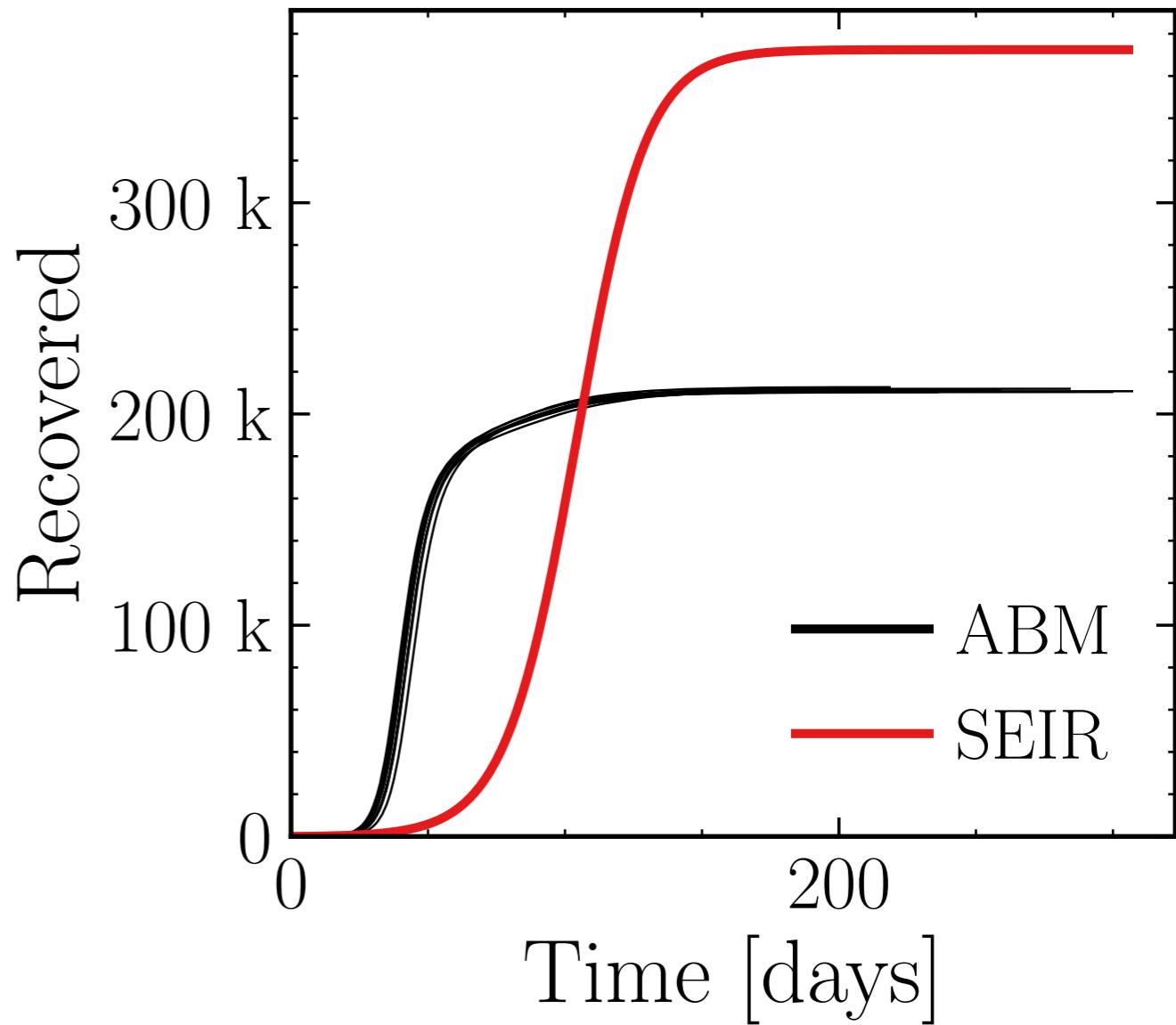
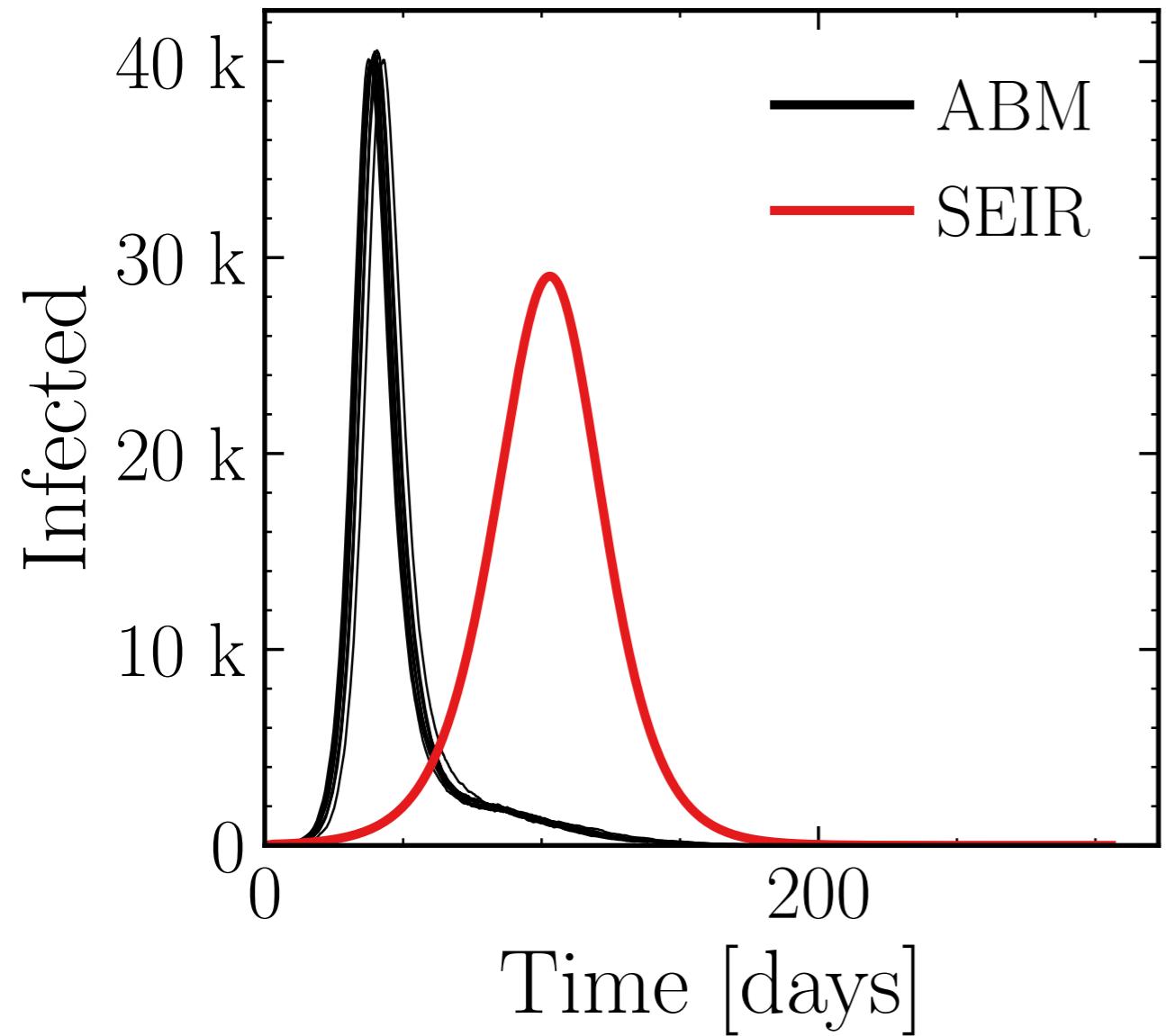
$$R_\infty^{\text{ABM}} = (212.5 \pm 0.094\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.22 \pm 0.16\%) \cdot 10^3$$

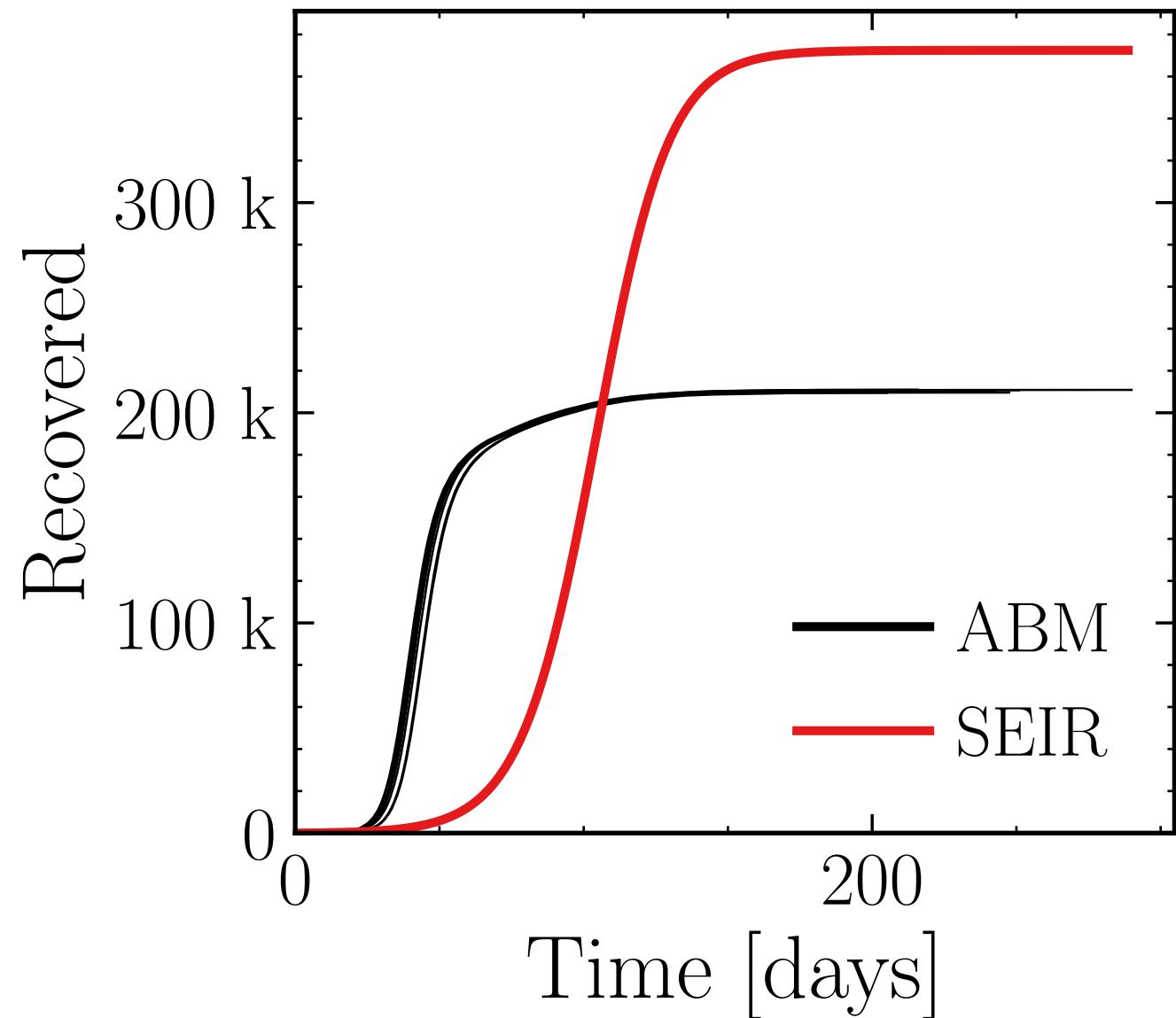
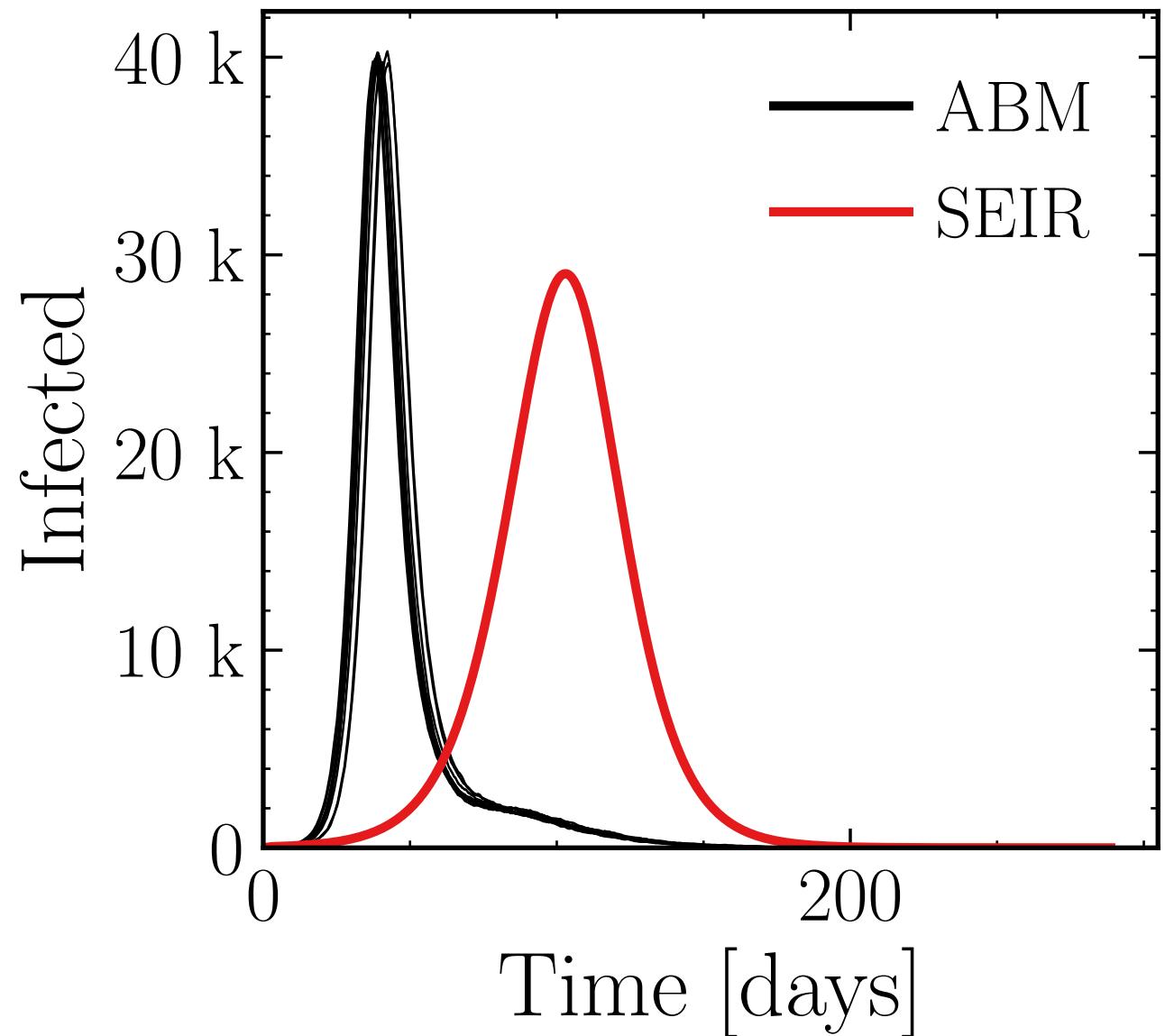
$$R_\infty^{\text{ABM}} = (211.2 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

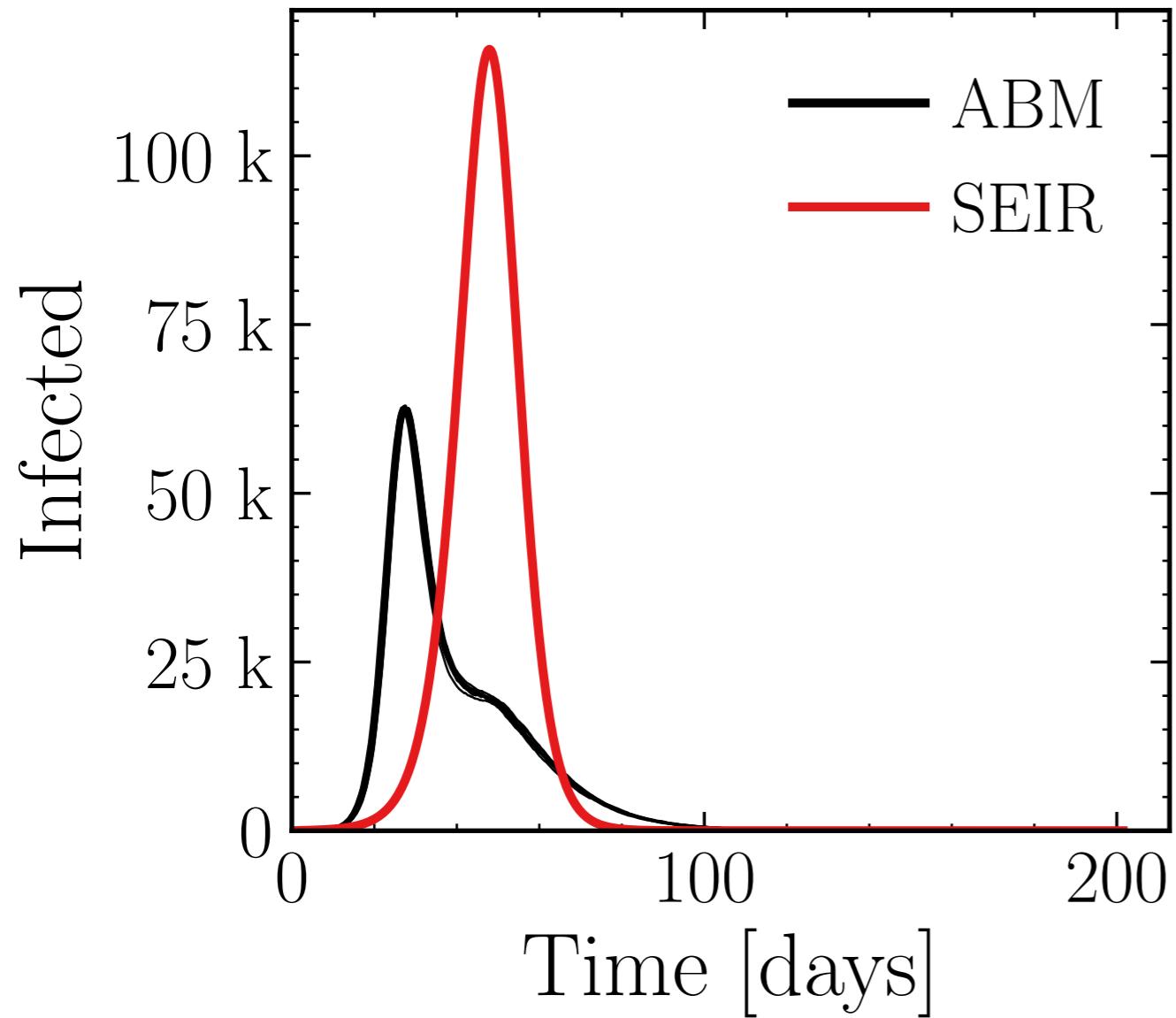
$$I_{\max}^{\text{ABM}} = (39.98 \pm 0.17\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (210.4 \pm 0.075\%) \cdot 10^3$$

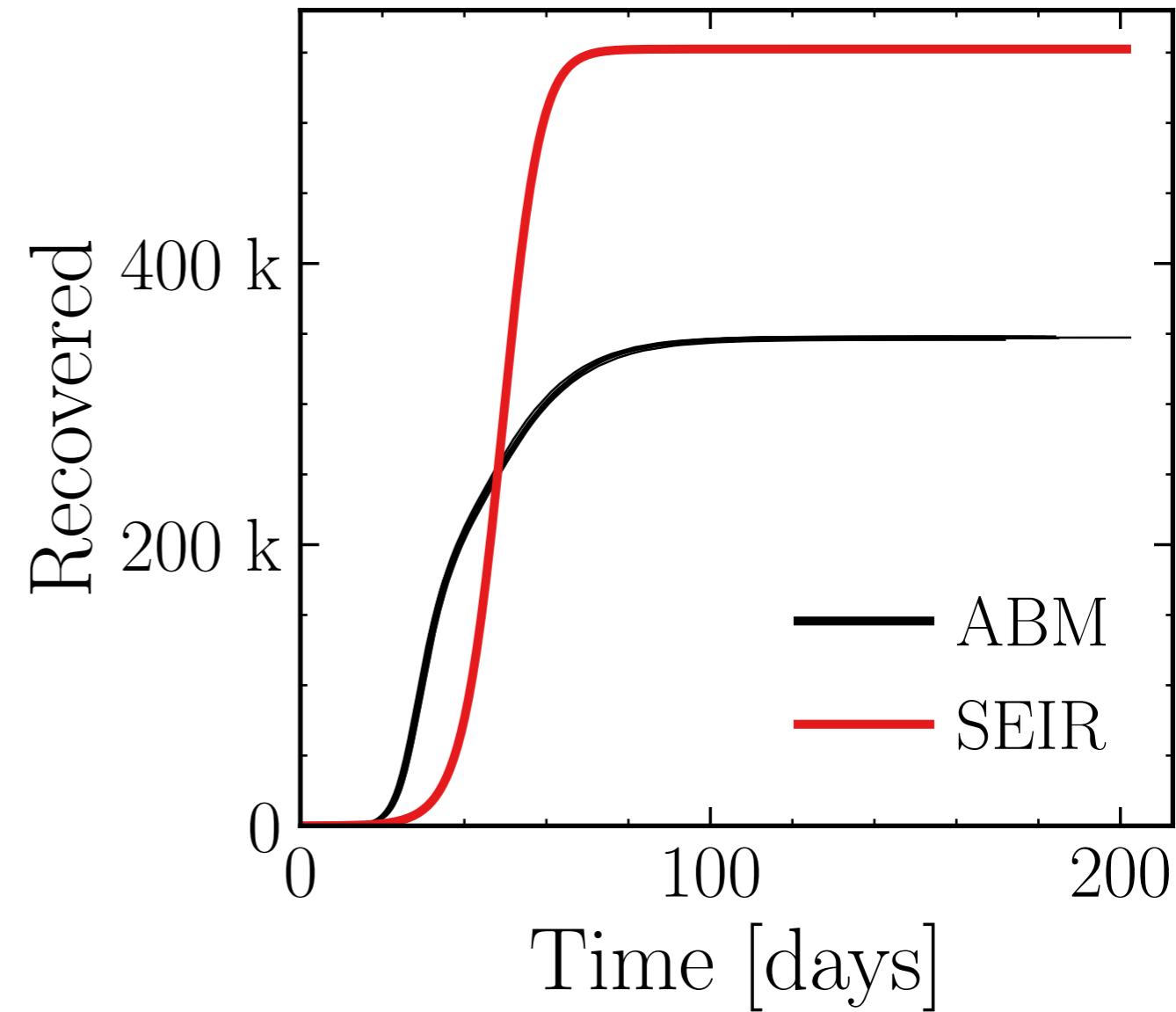


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.02$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

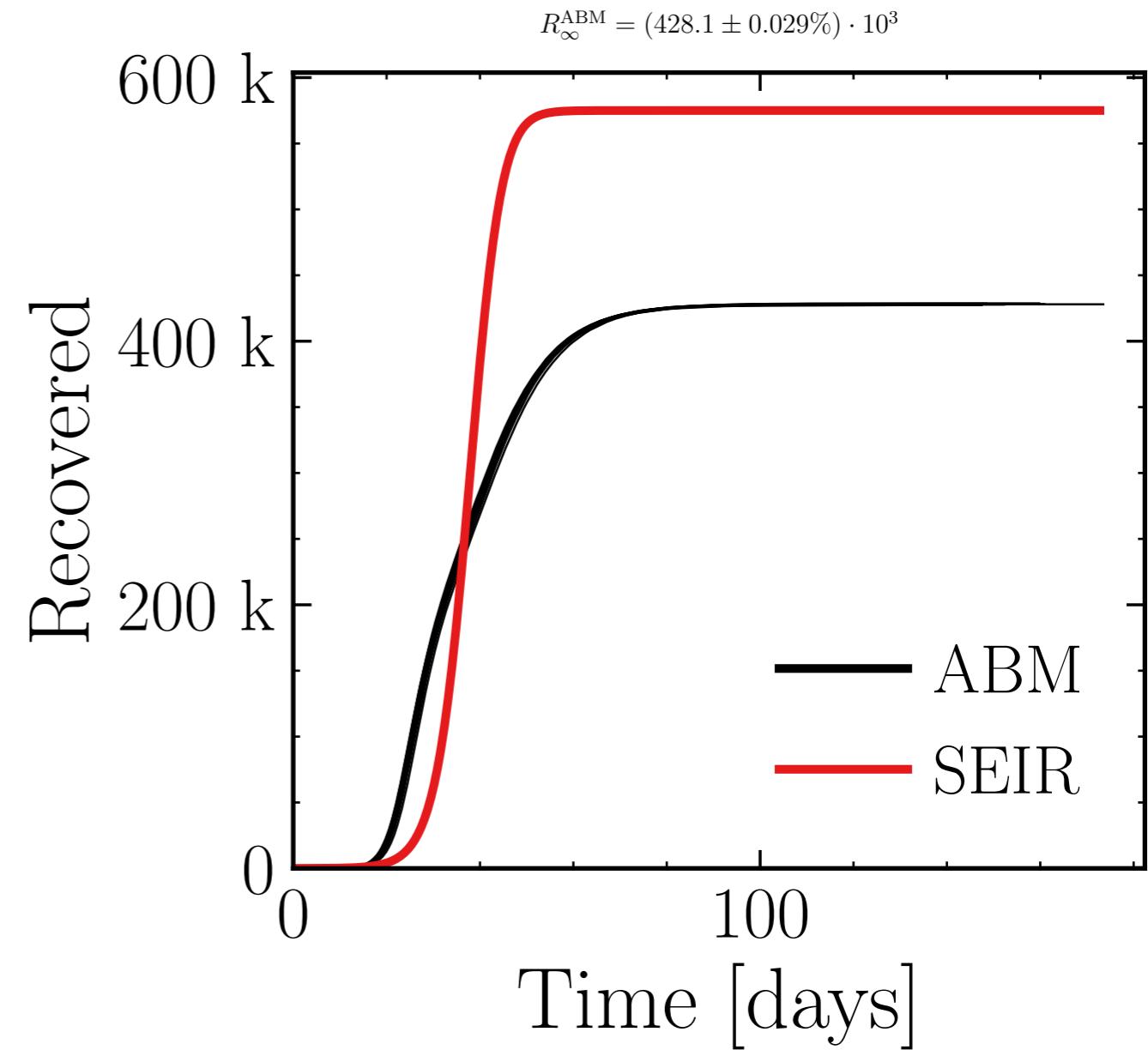
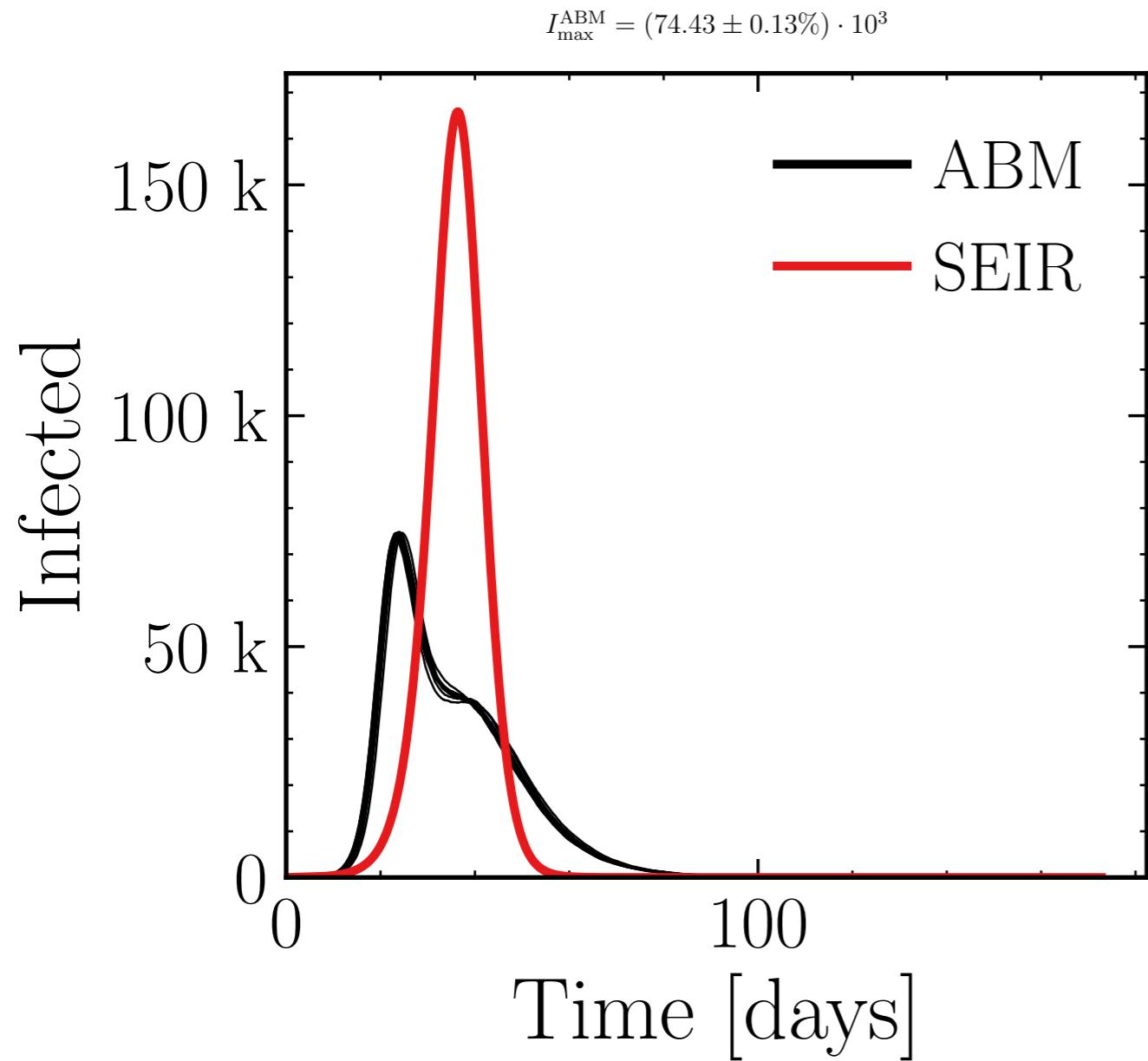
$$I_{\max}^{\text{ABM}} = (62.59 \pm 0.14\%) \cdot 10^3$$



$$R_{\infty}^{\text{ABM}} = (347.4 \pm 0.066\%) \cdot 10^3$$

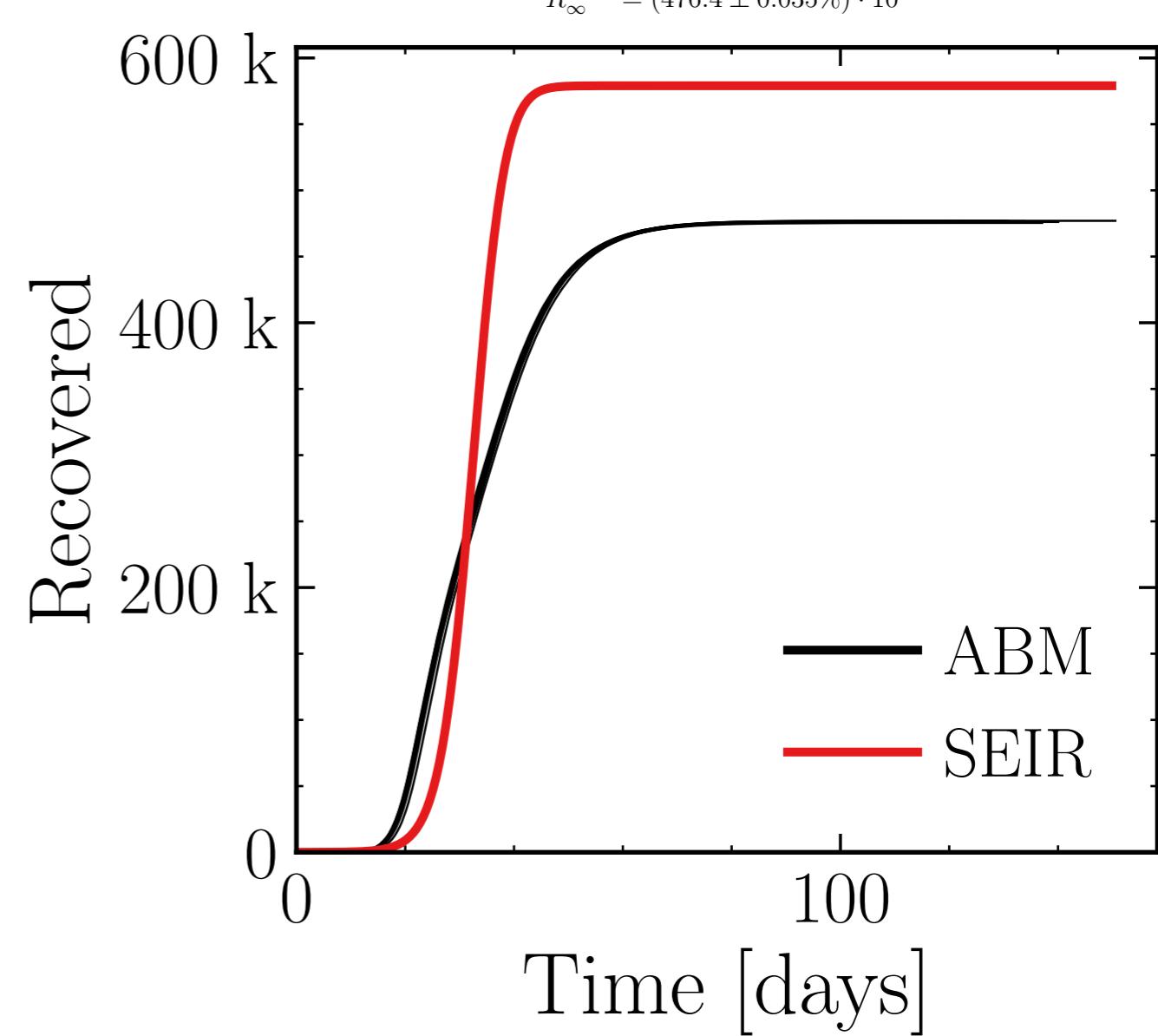
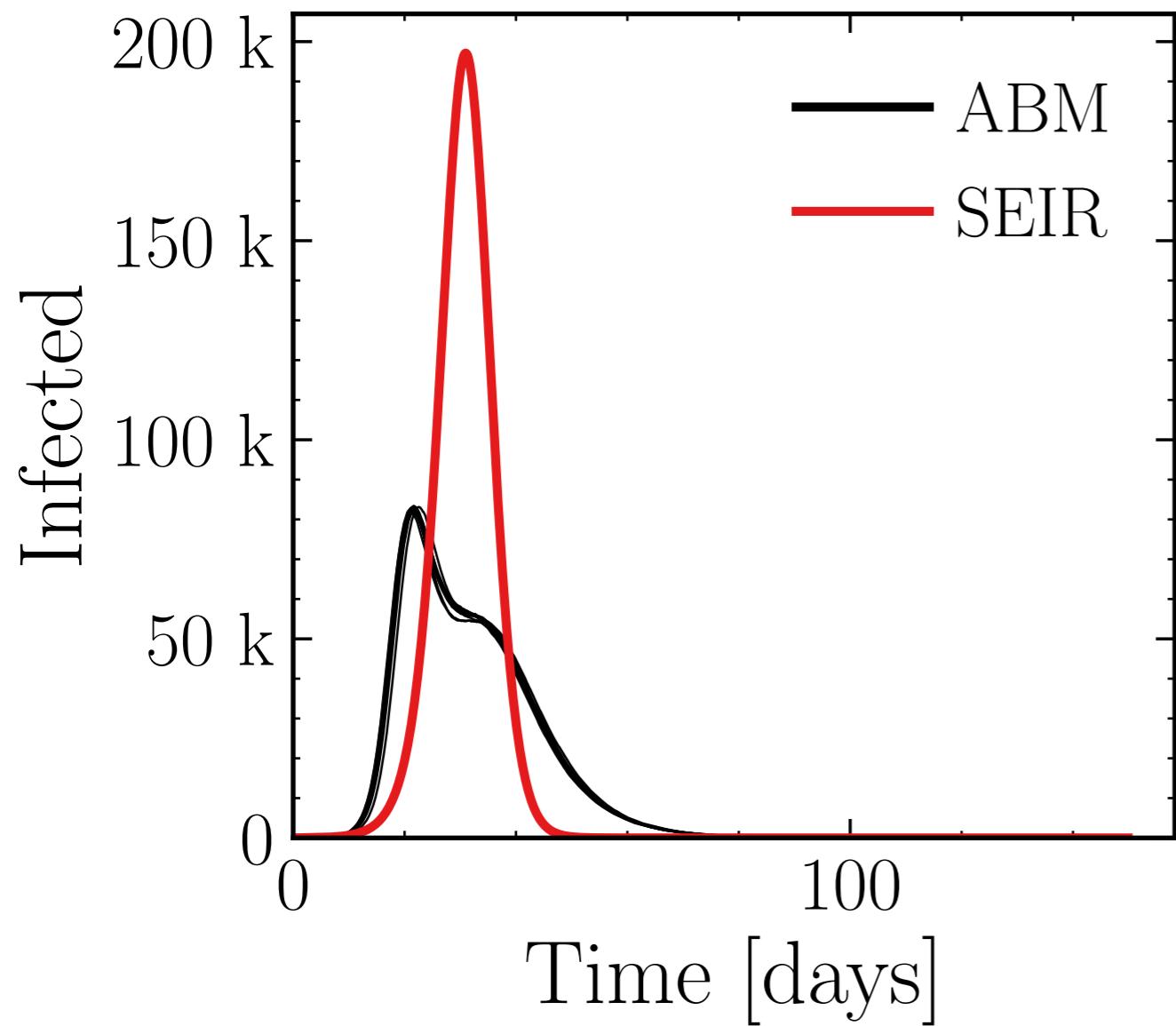


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.03$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

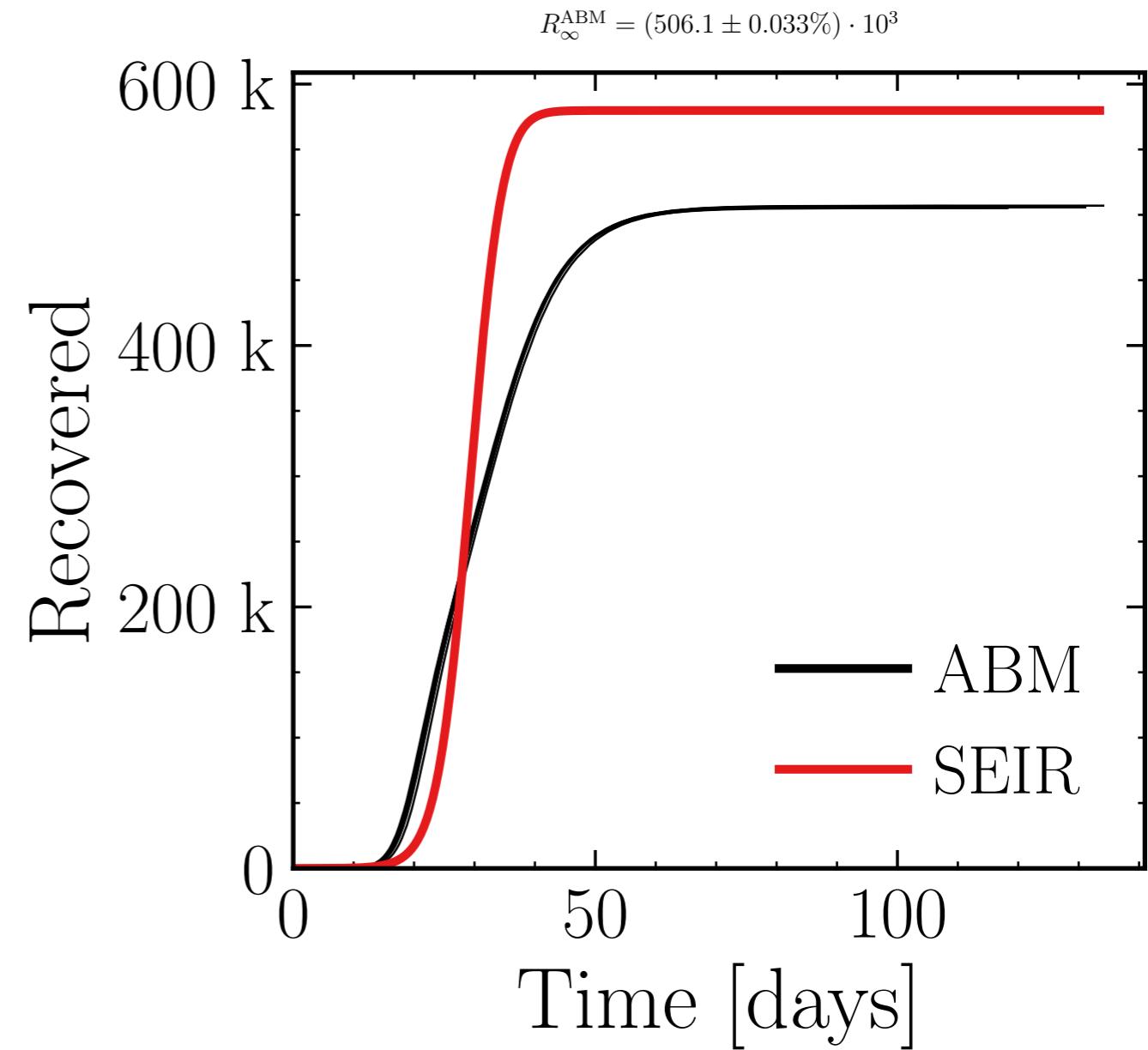
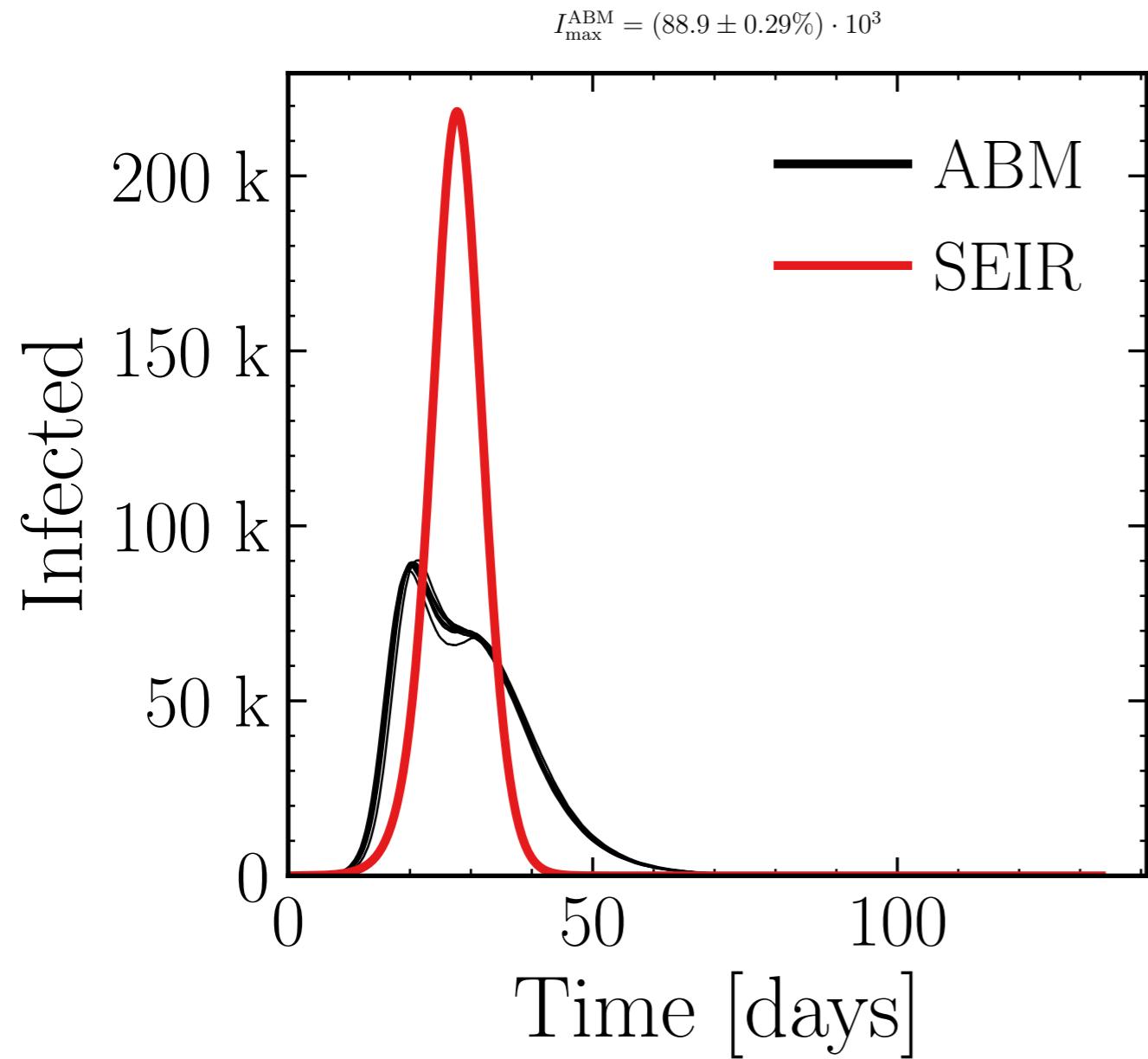


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.04$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

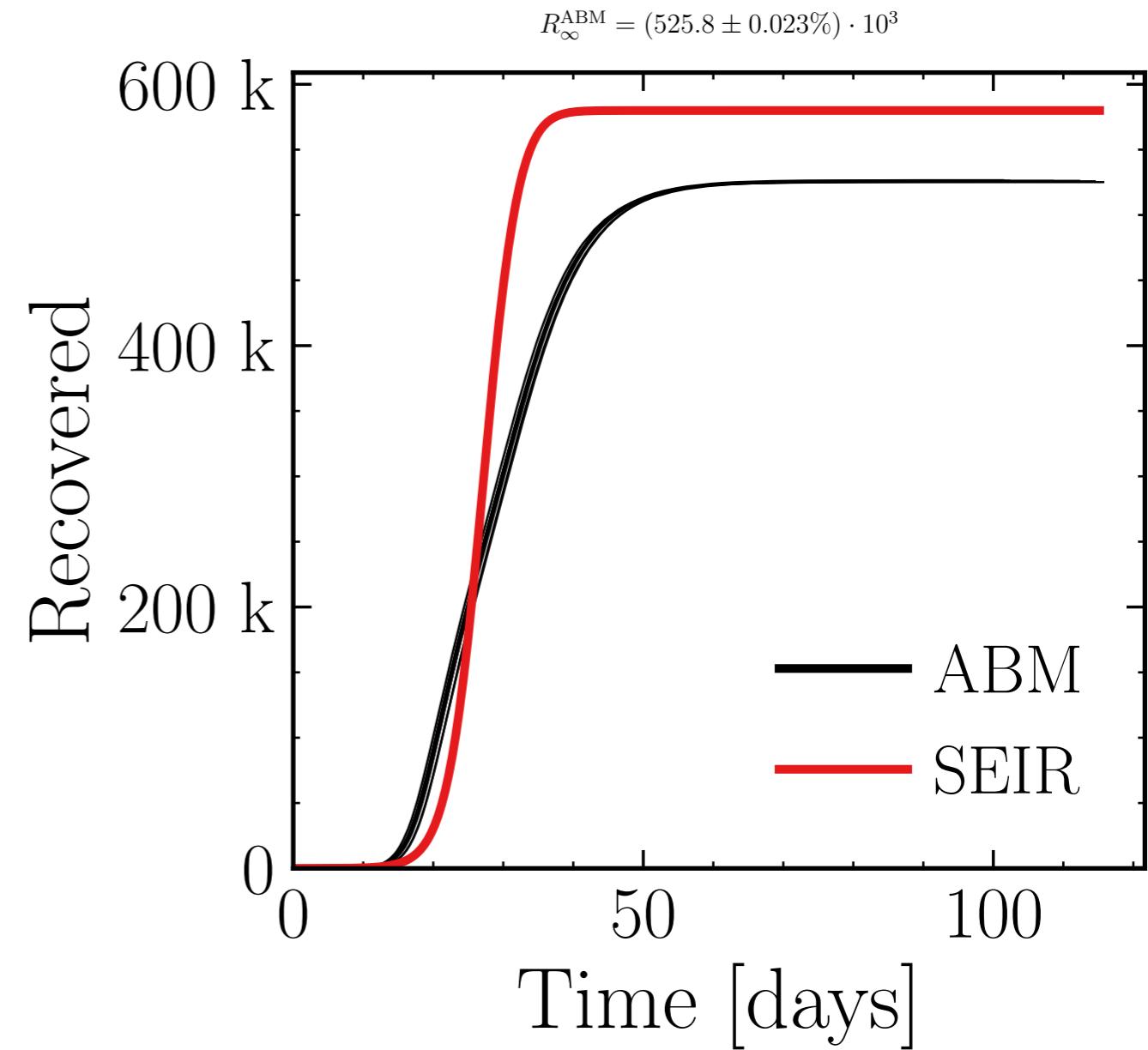
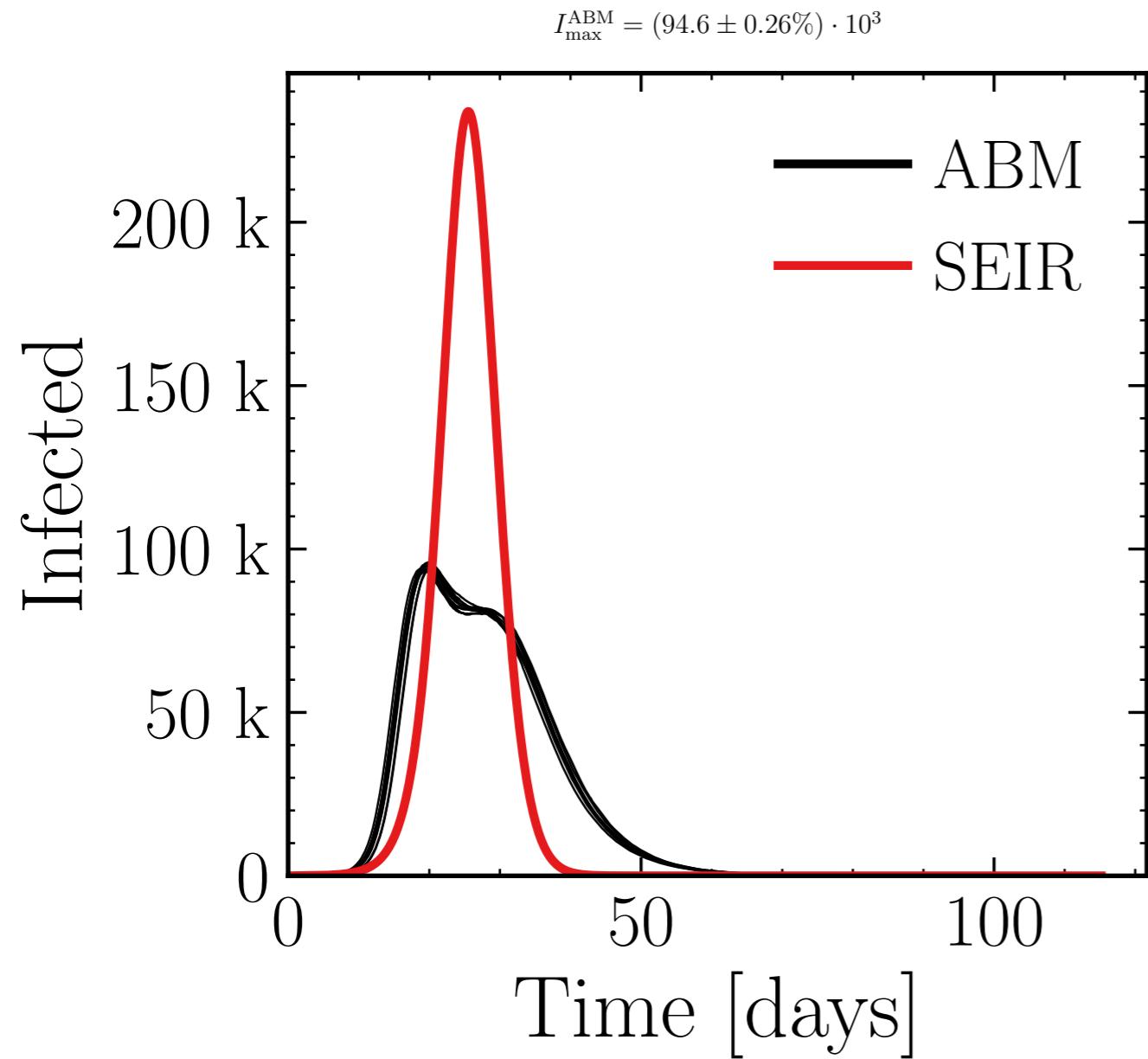
$$I_{\max}^{\text{ABM}} = (82.7 \pm 0.19\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.05$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

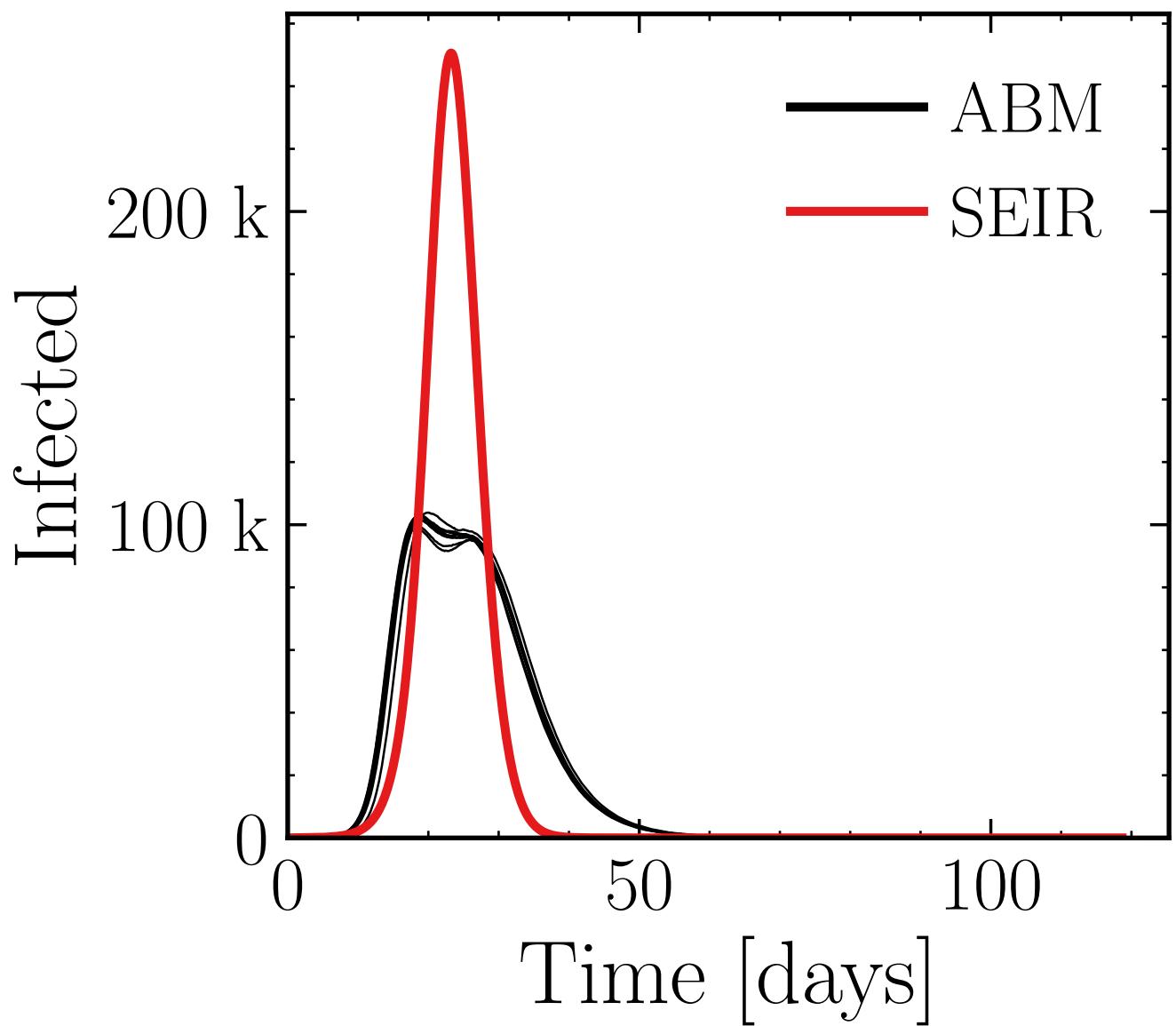


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.06$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

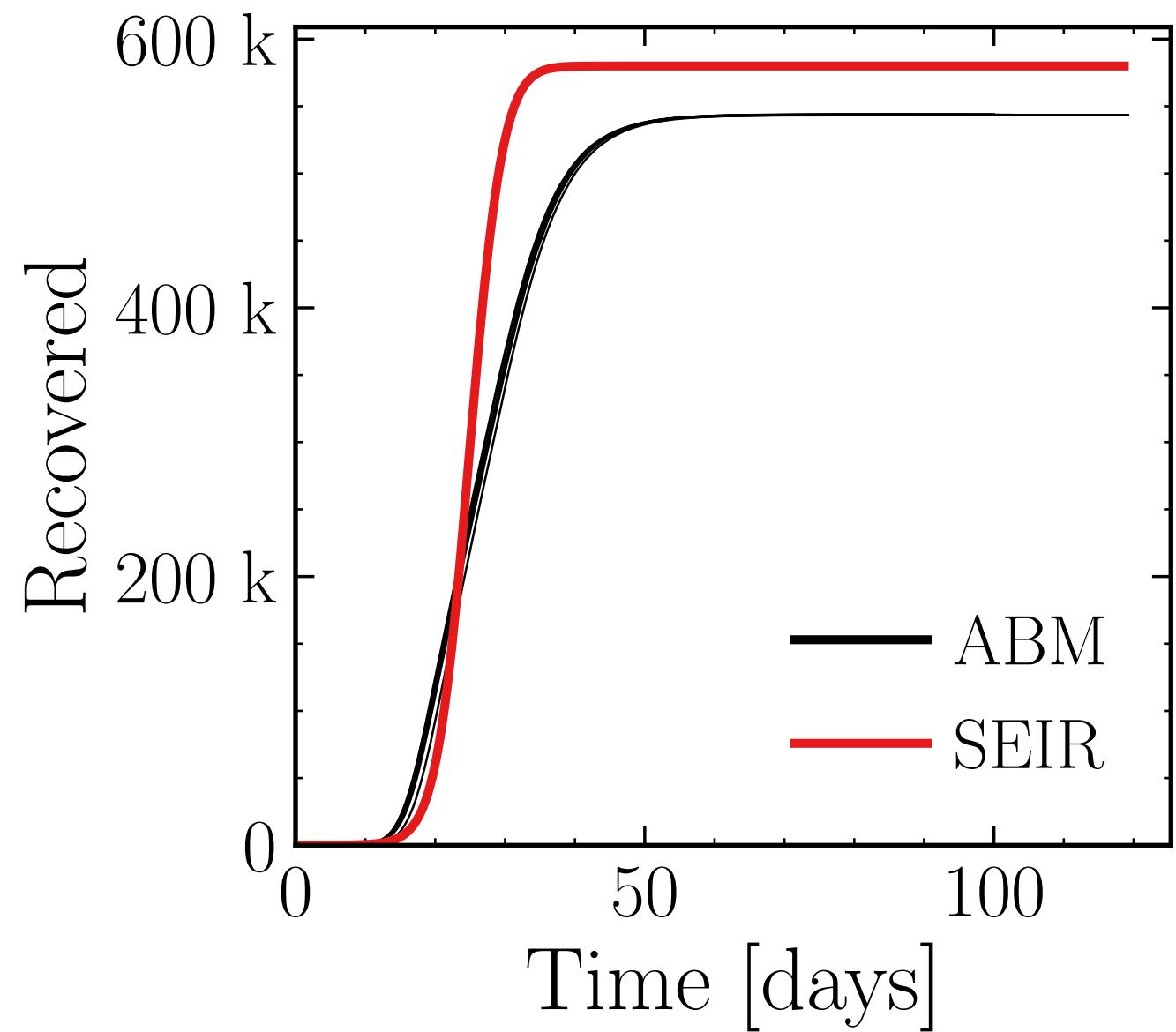


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.075$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (101.7 \pm 0.44\%) \cdot 10^3$$

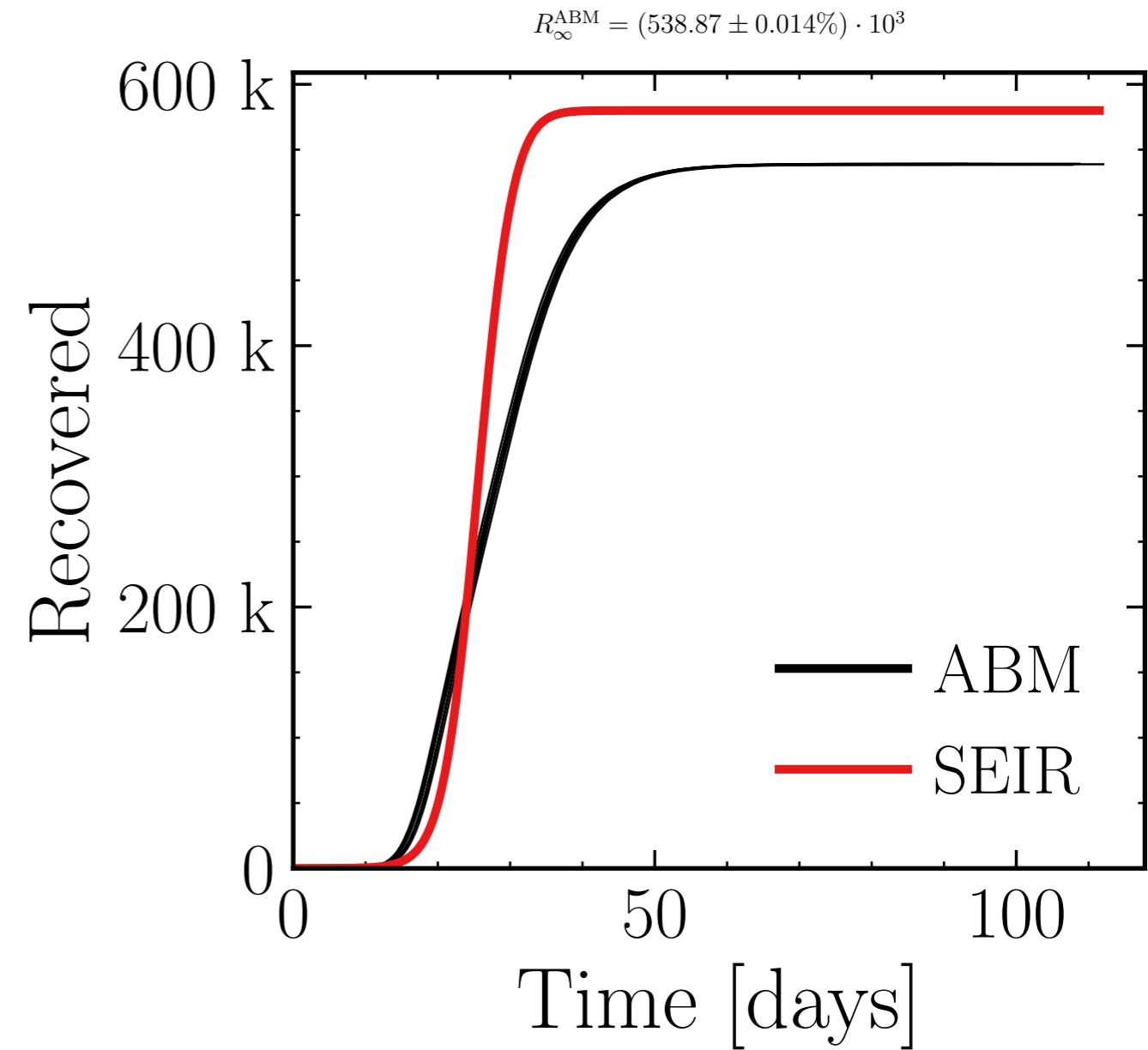
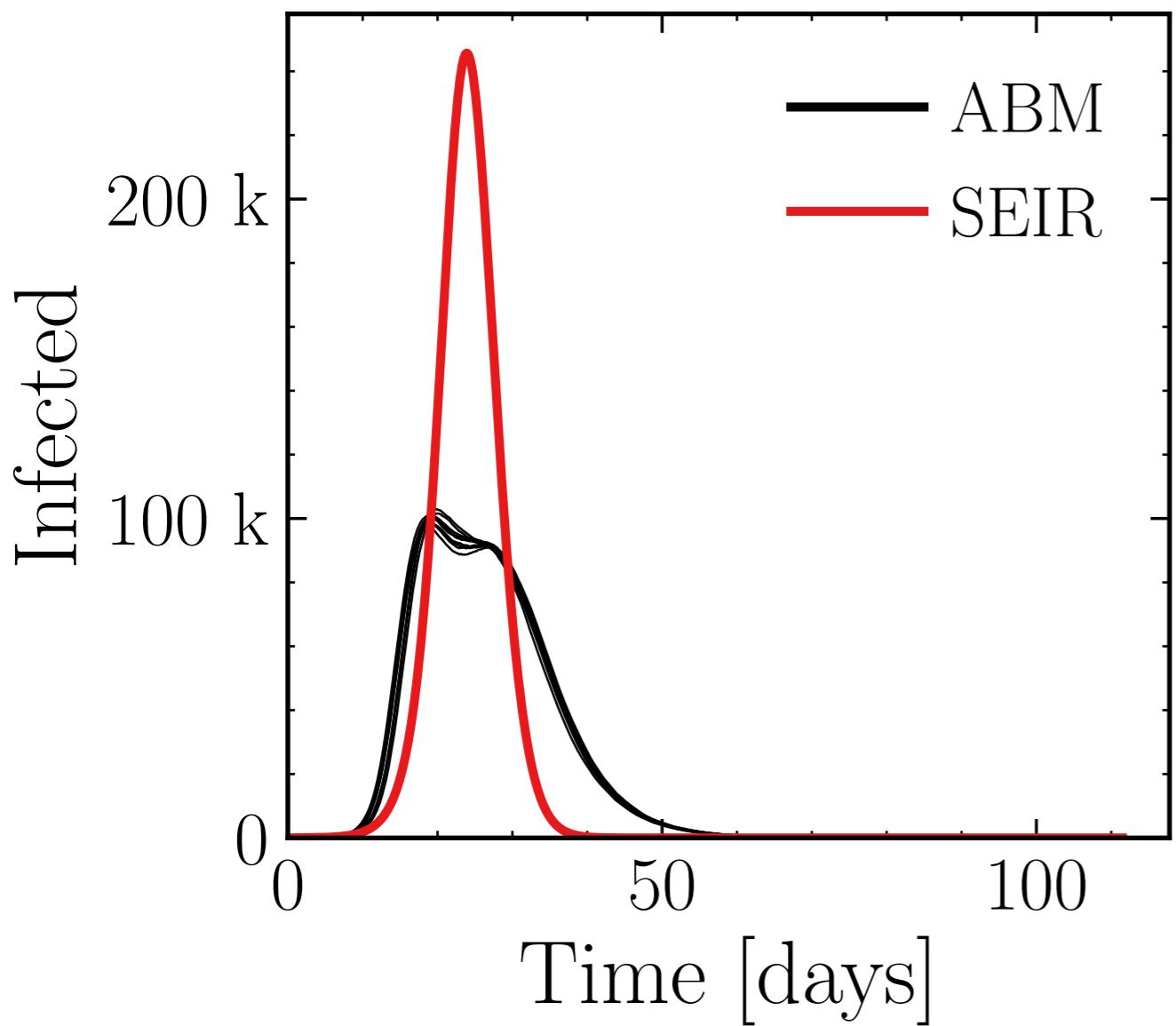


$$R_\infty^{\text{ABM}} = (543.74 \pm 0.012\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.07$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

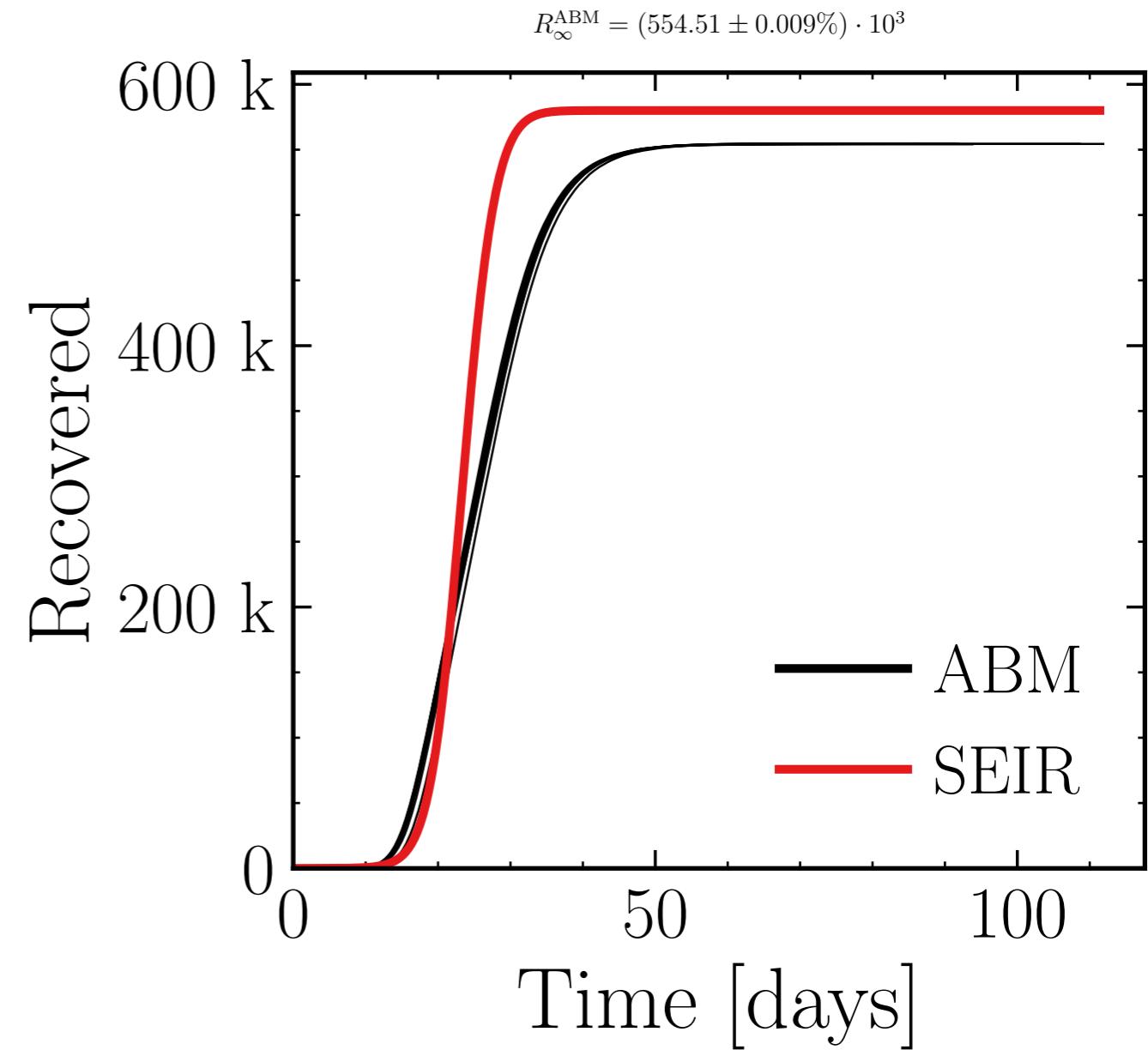
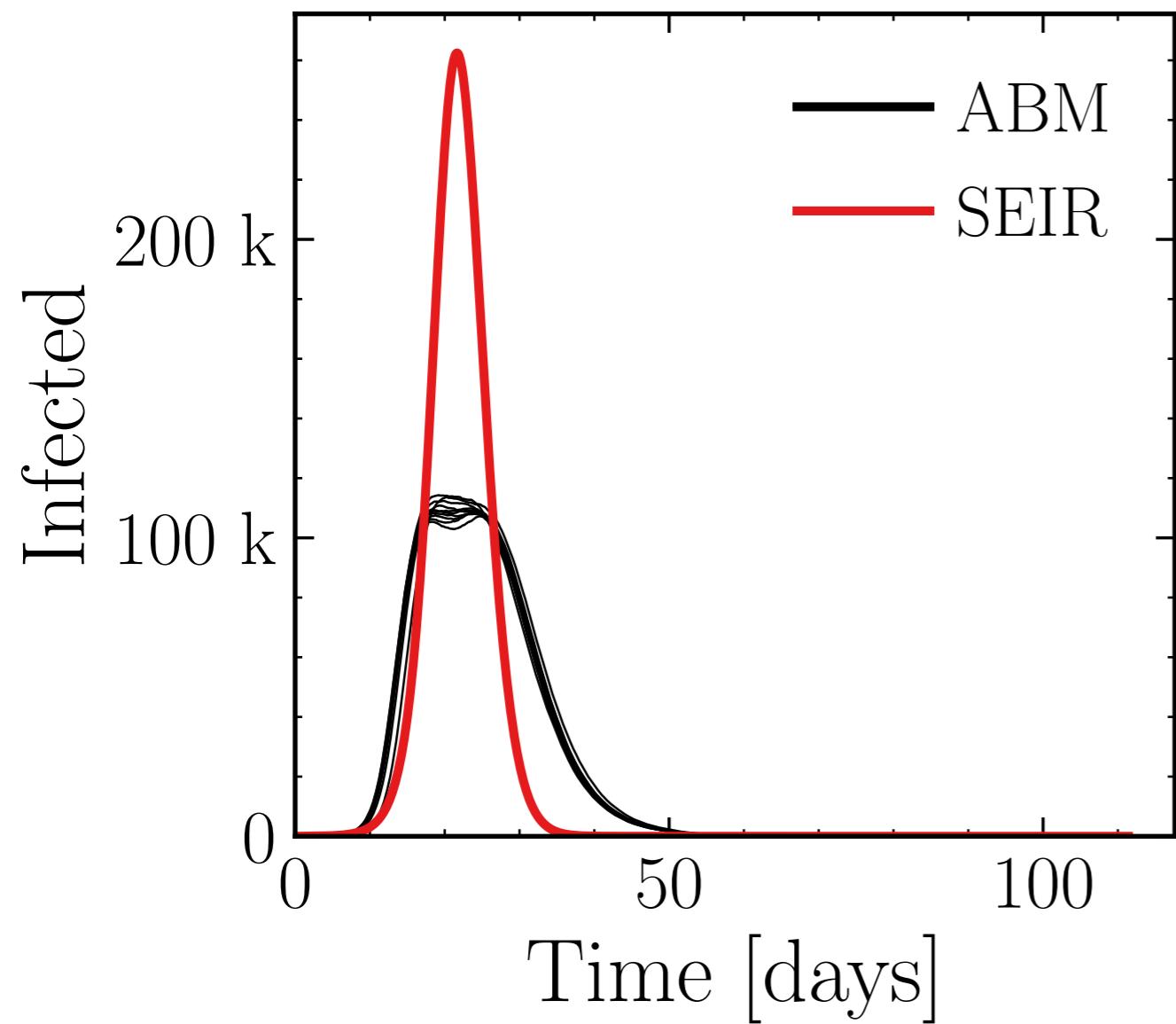
$$I_{\max}^{\text{ABM}} = (99.99 \pm 0.49\%) \cdot 10^3$$



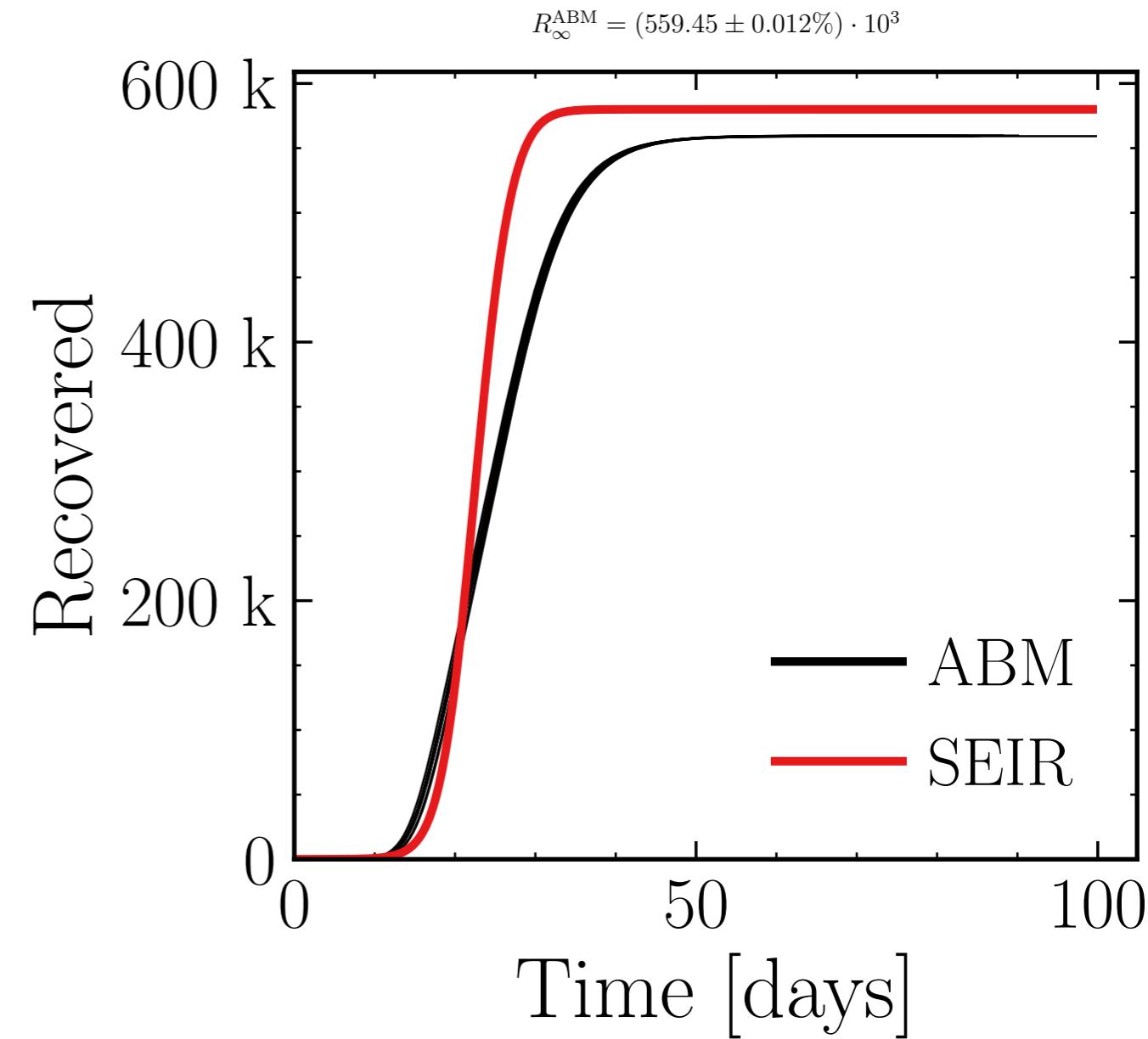
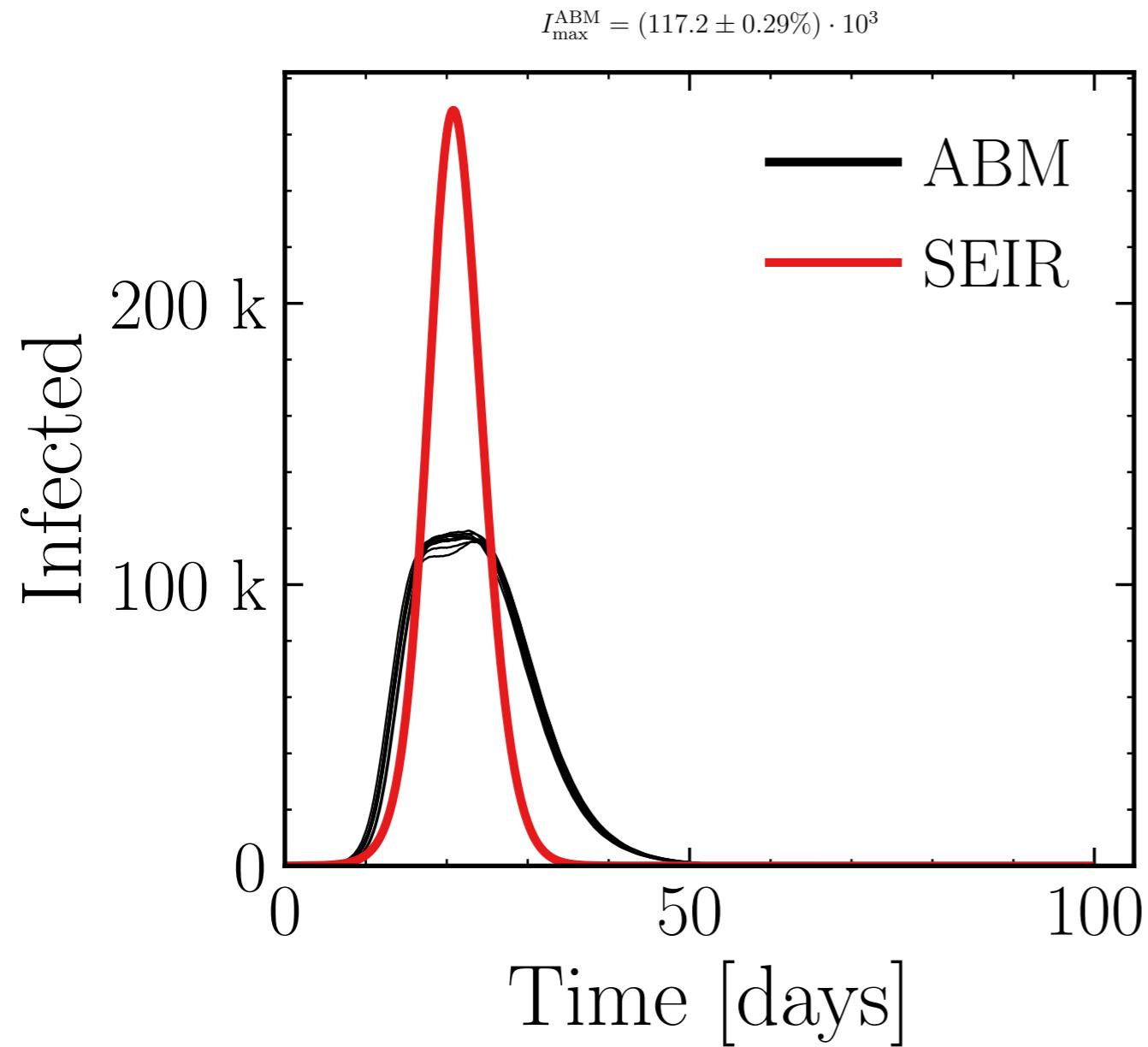
$$R_{\infty}^{\text{ABM}} = (538.87 \pm 0.014\%) \cdot 10^3$$

$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.09$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (110.3 \pm 0.65\%) \cdot 10^3$$



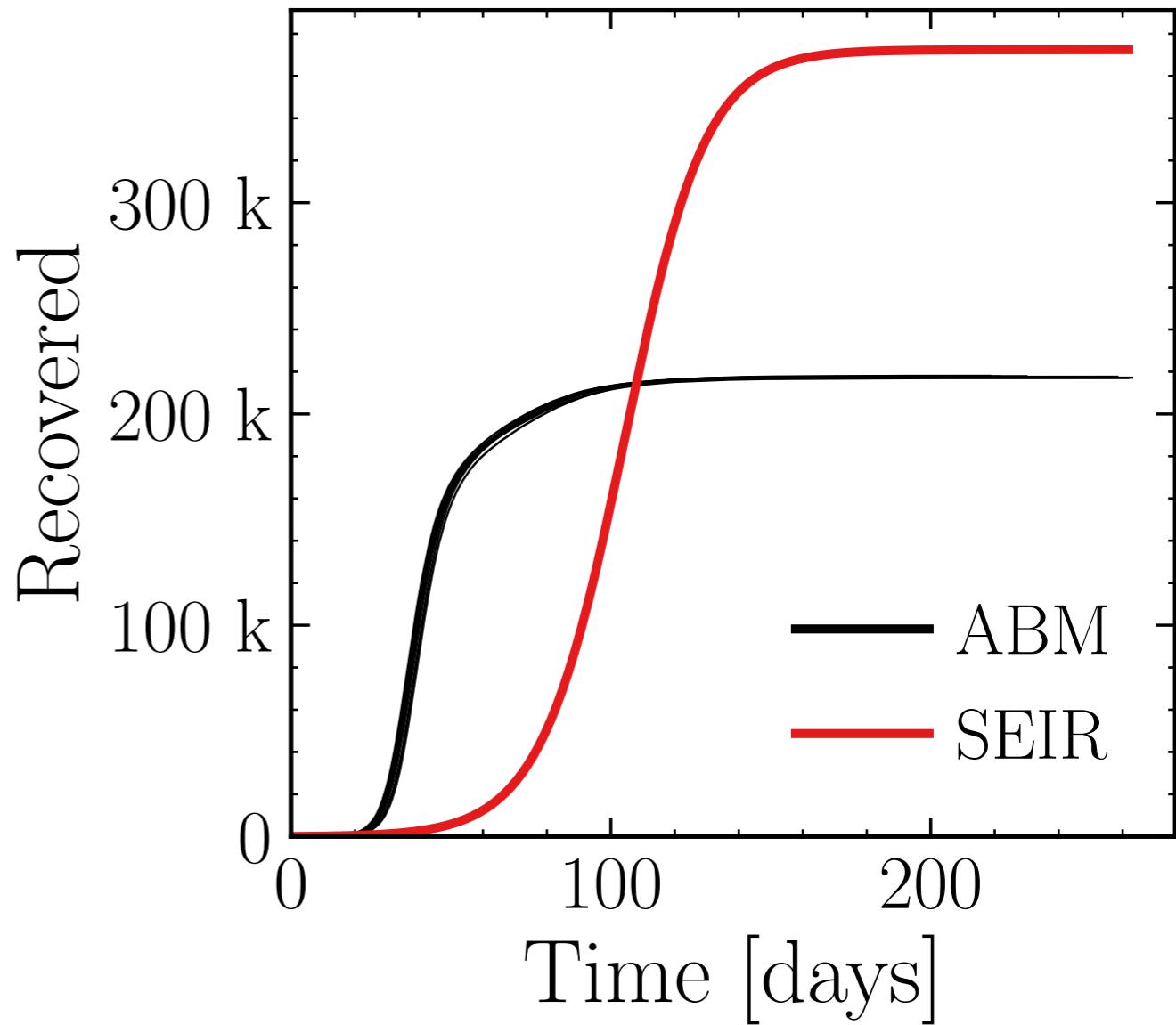
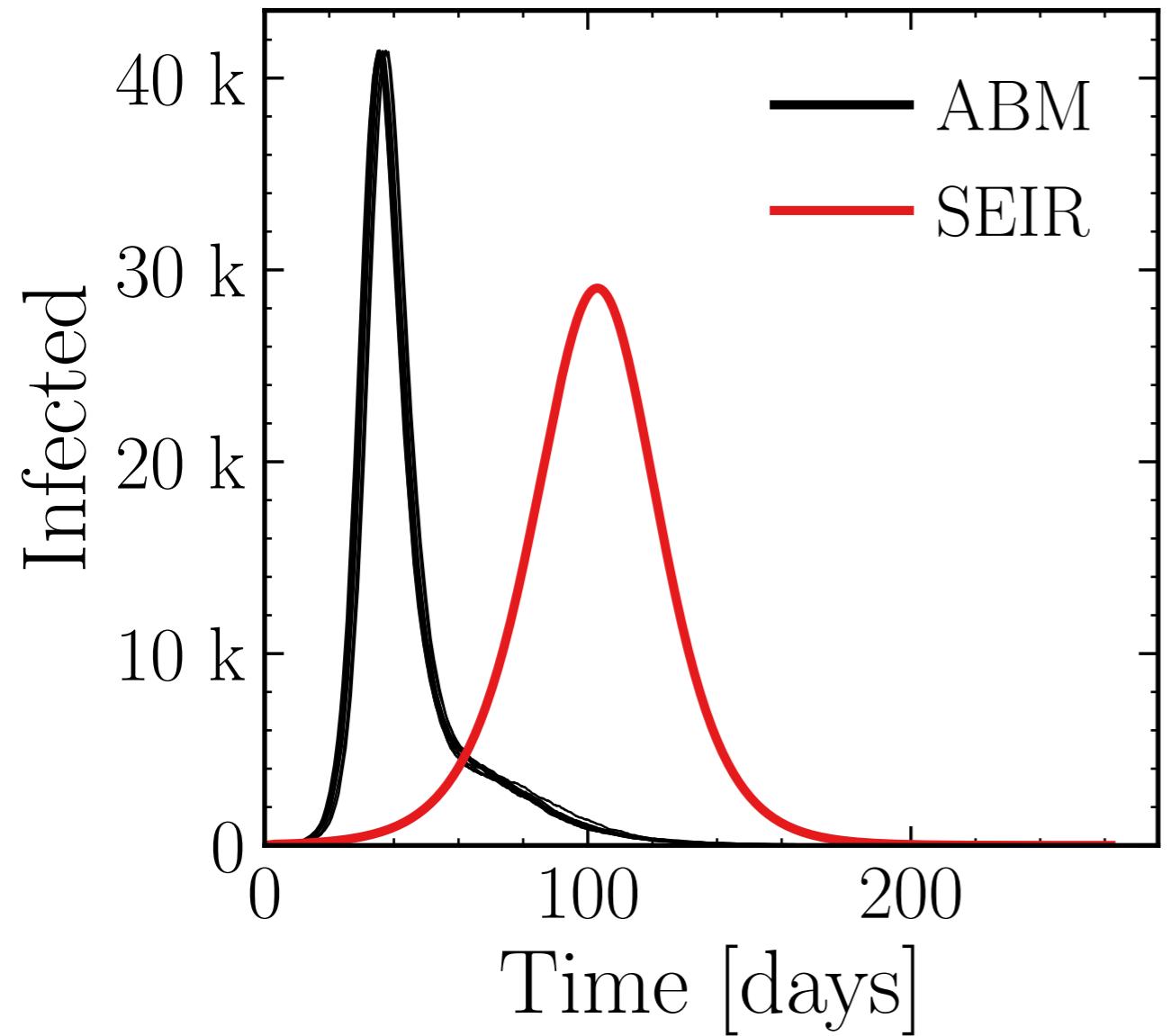
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.1$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

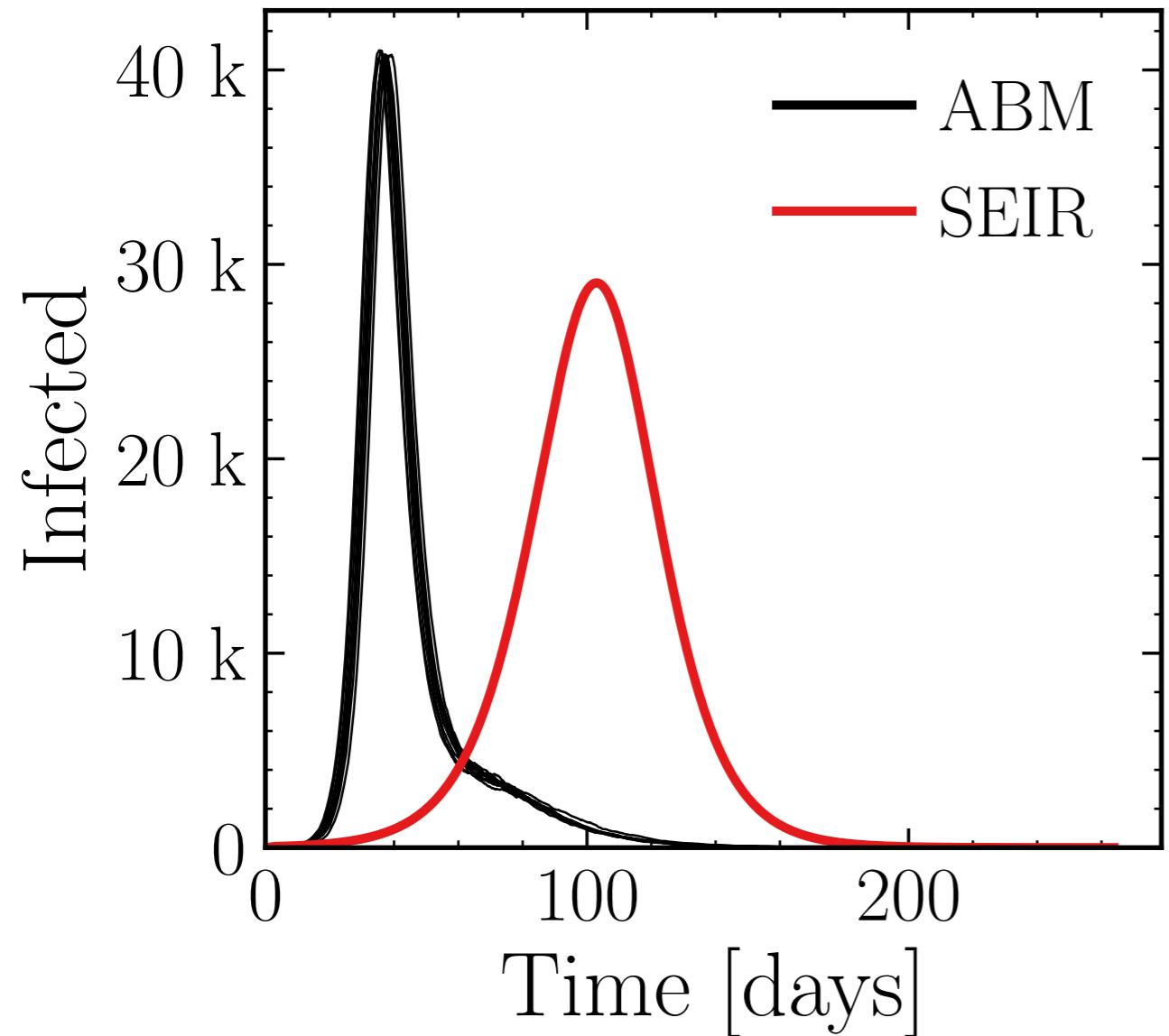
$$I_{\max}^{\text{ABM}} = (41.34 \pm 0.078\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (217.56 \pm 0.041\%) \cdot 10^3$$

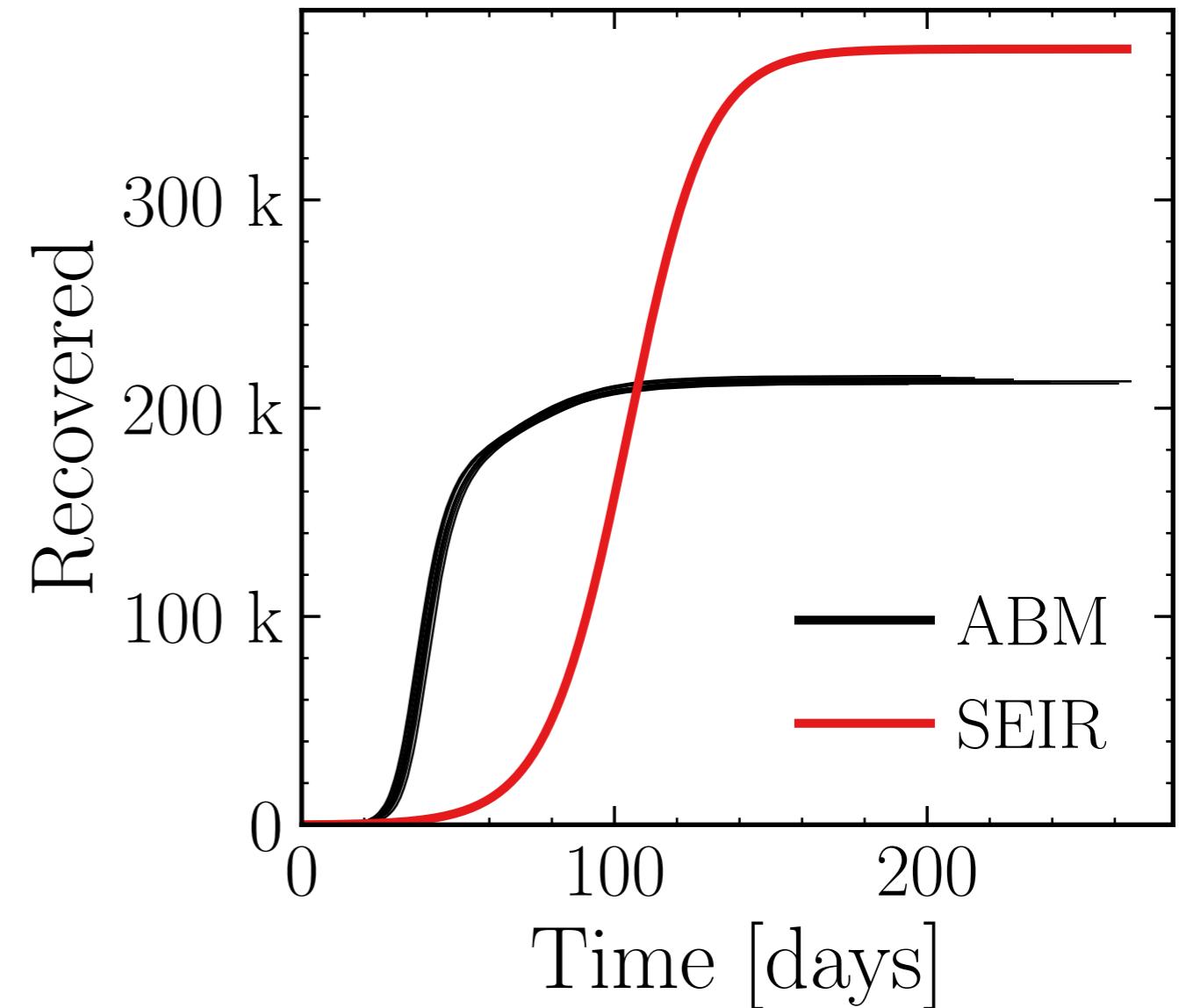


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.25$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.7 \pm 0.17\%) \cdot 10^3$$



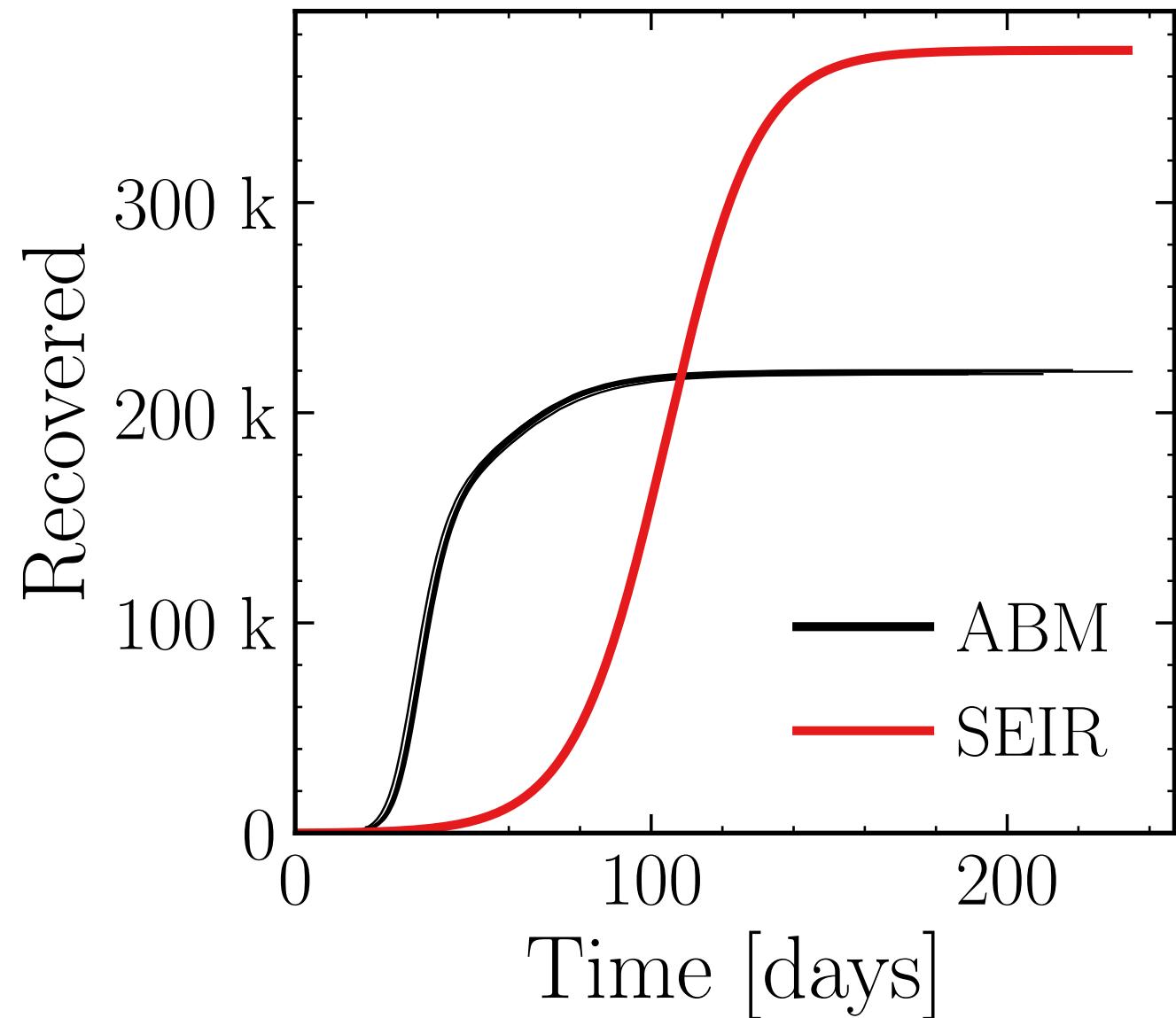
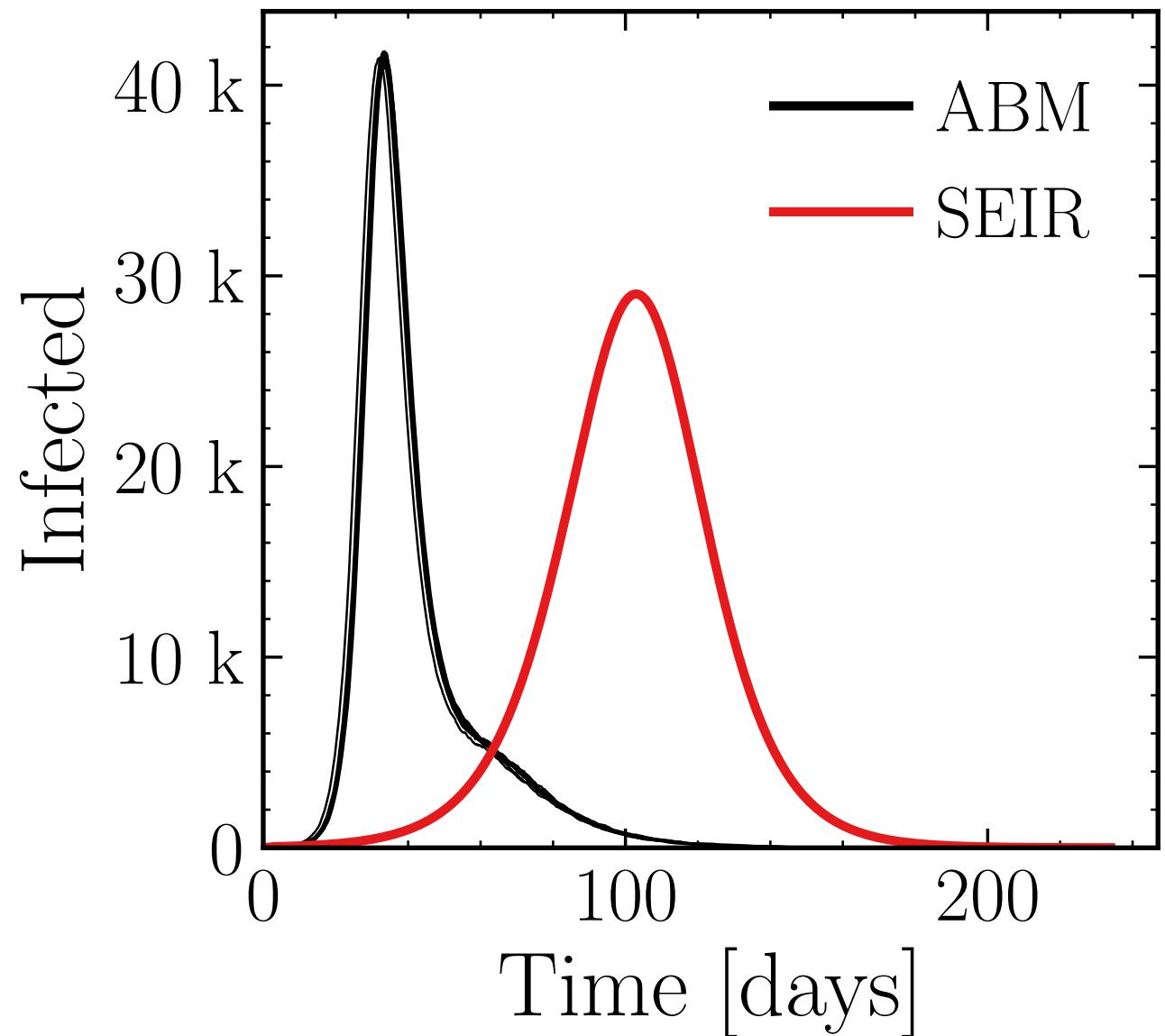
$$R_\infty^{\text{ABM}} = (213.4 \pm 0.17\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

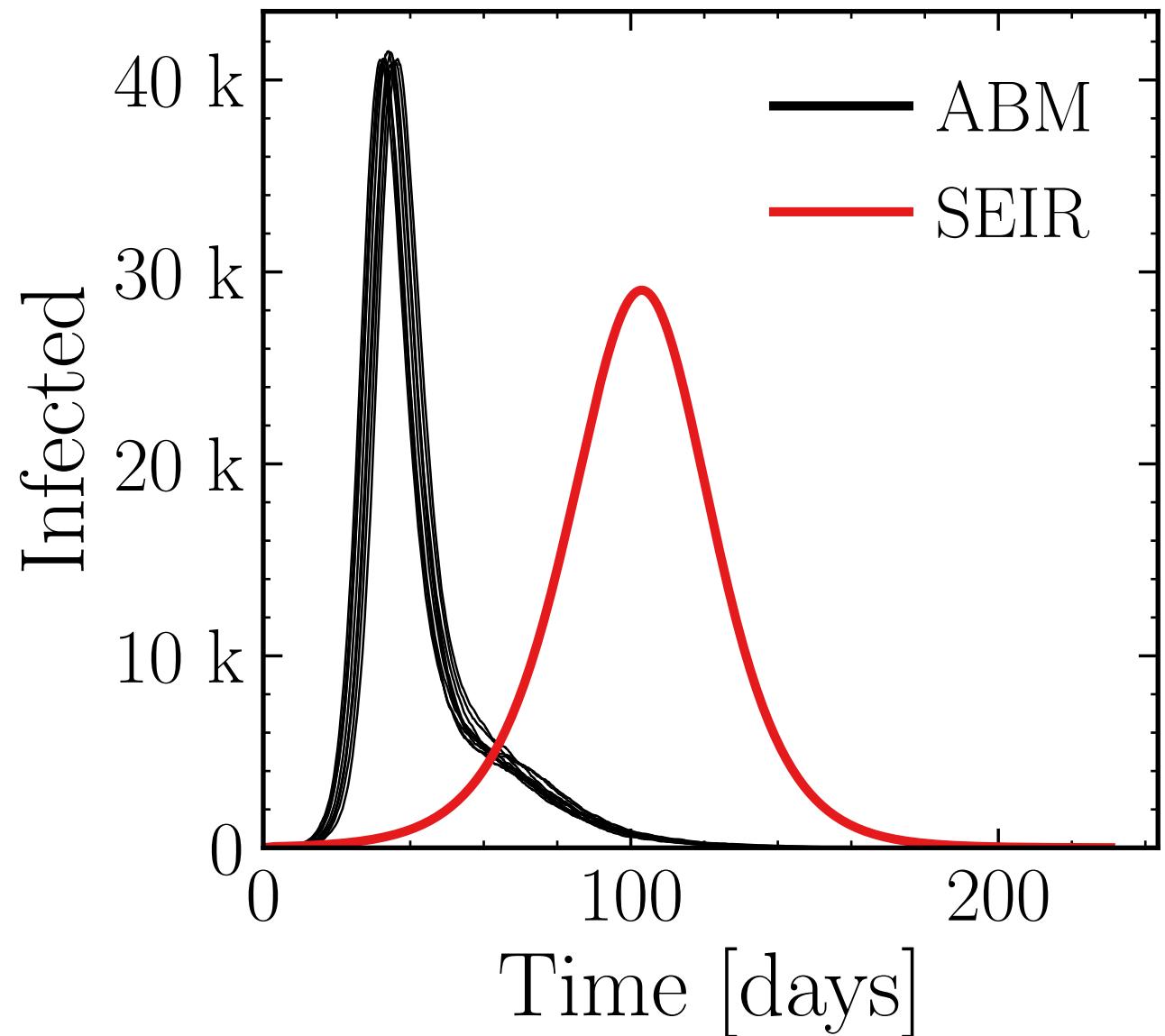
$$I_{\max}^{\text{ABM}} = (41.52 \pm 0.16\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (219.3 \pm 0.085\%) \cdot 10^3$$

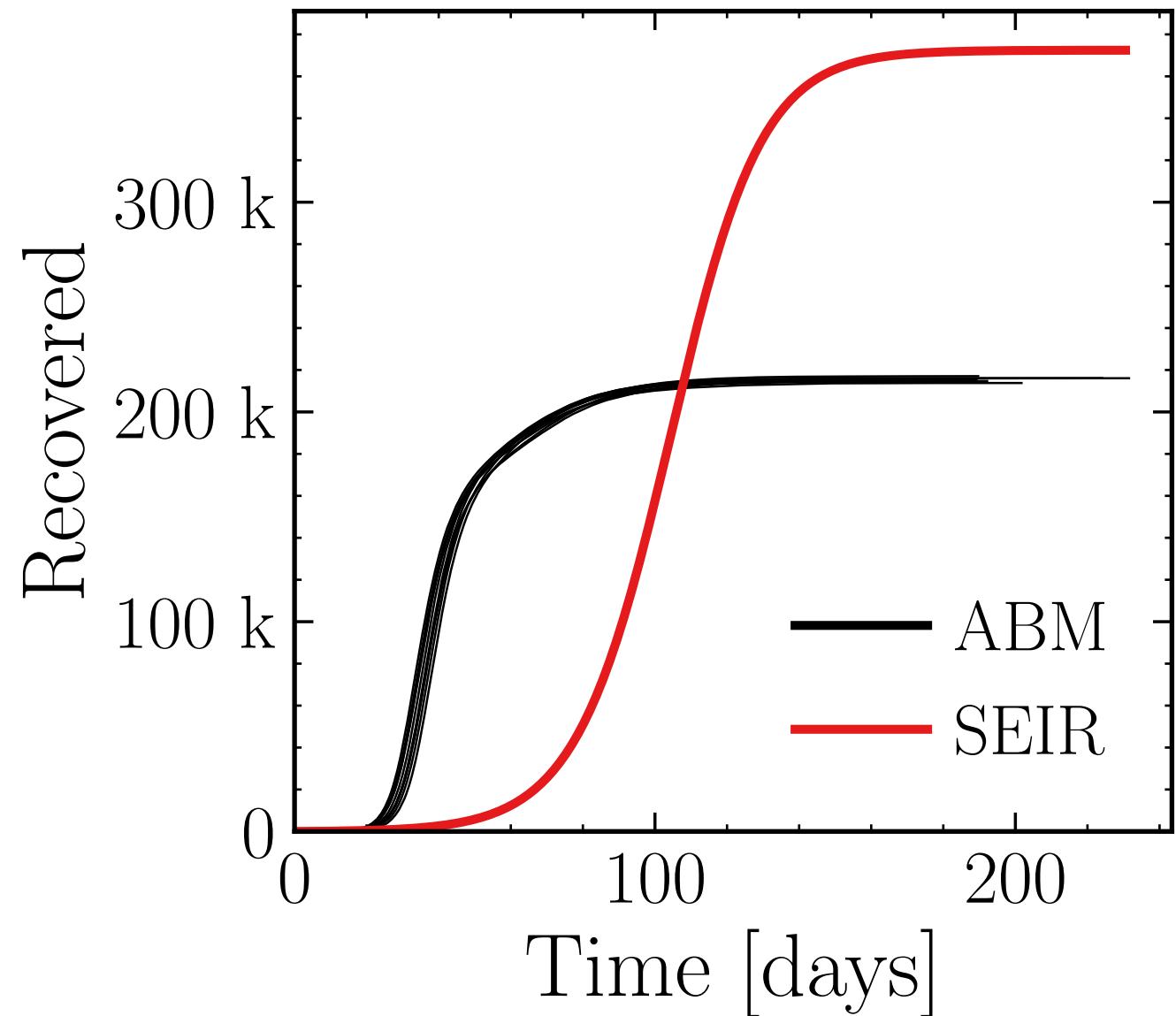


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.5$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.03 \pm 0.22\%) \cdot 10^3$$

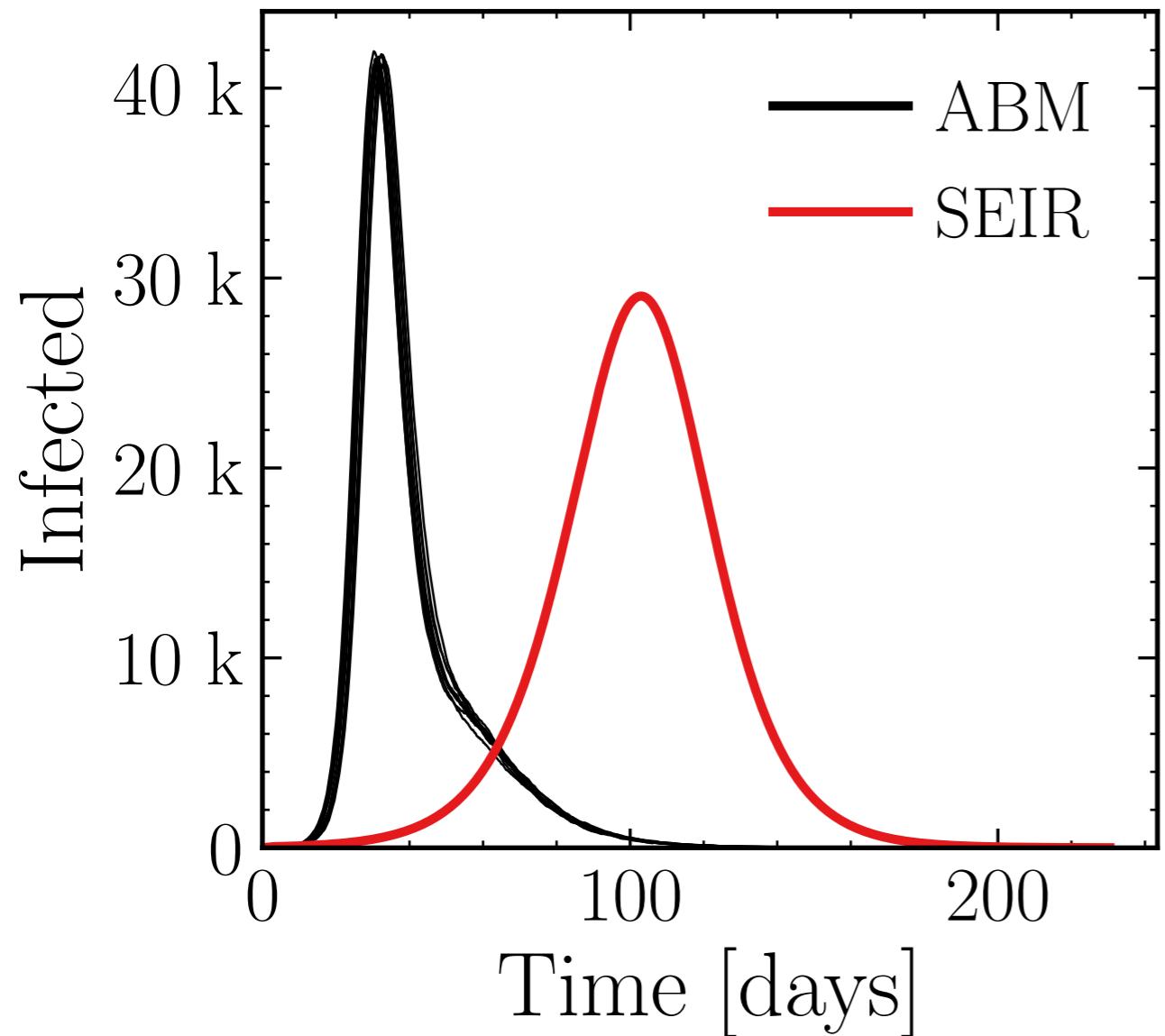


$$R_\infty^{\text{ABM}} = (215.4 \pm 0.13\%) \cdot 10^3$$

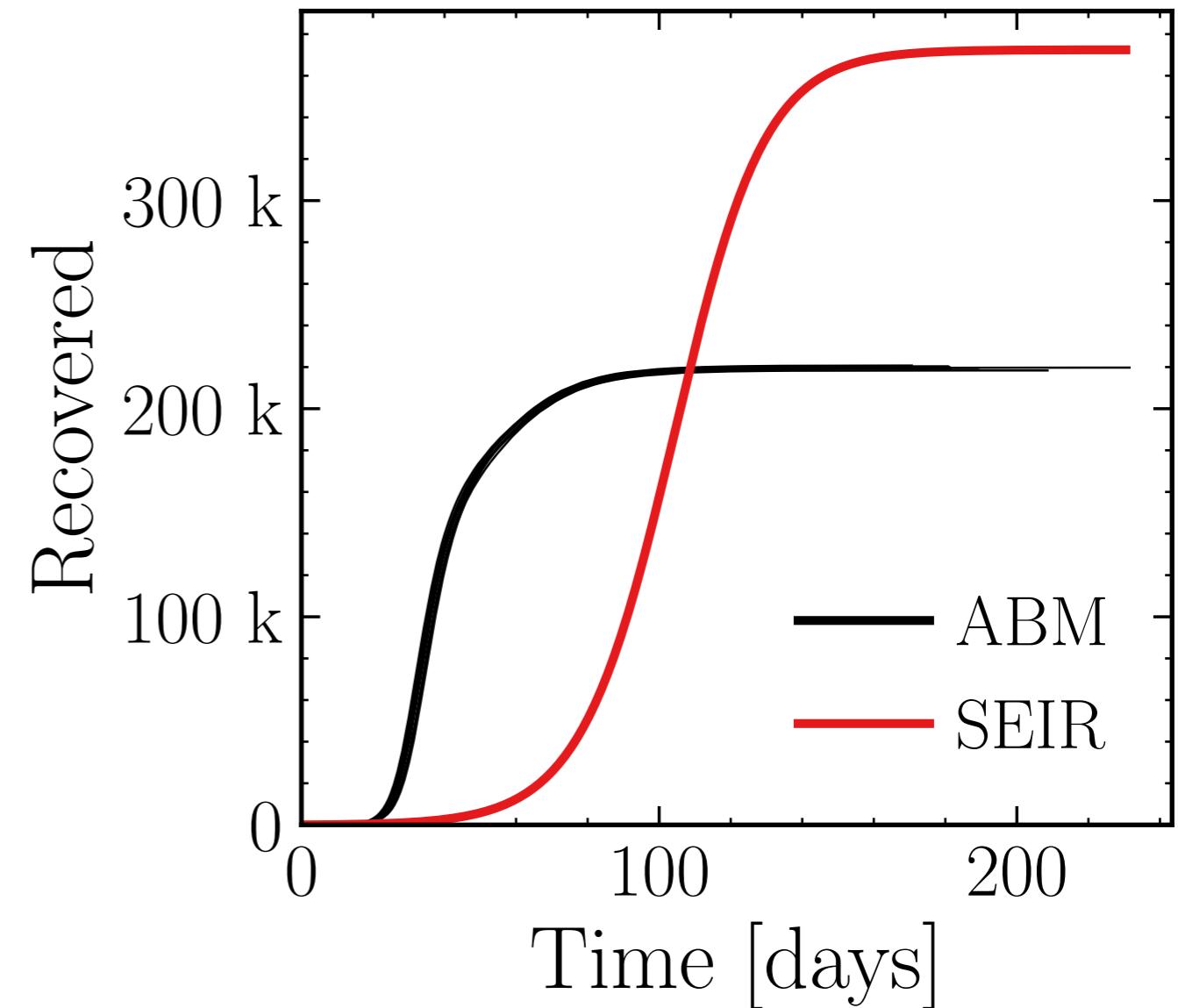


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.55 \pm 0.15\%) \cdot 10^3$$

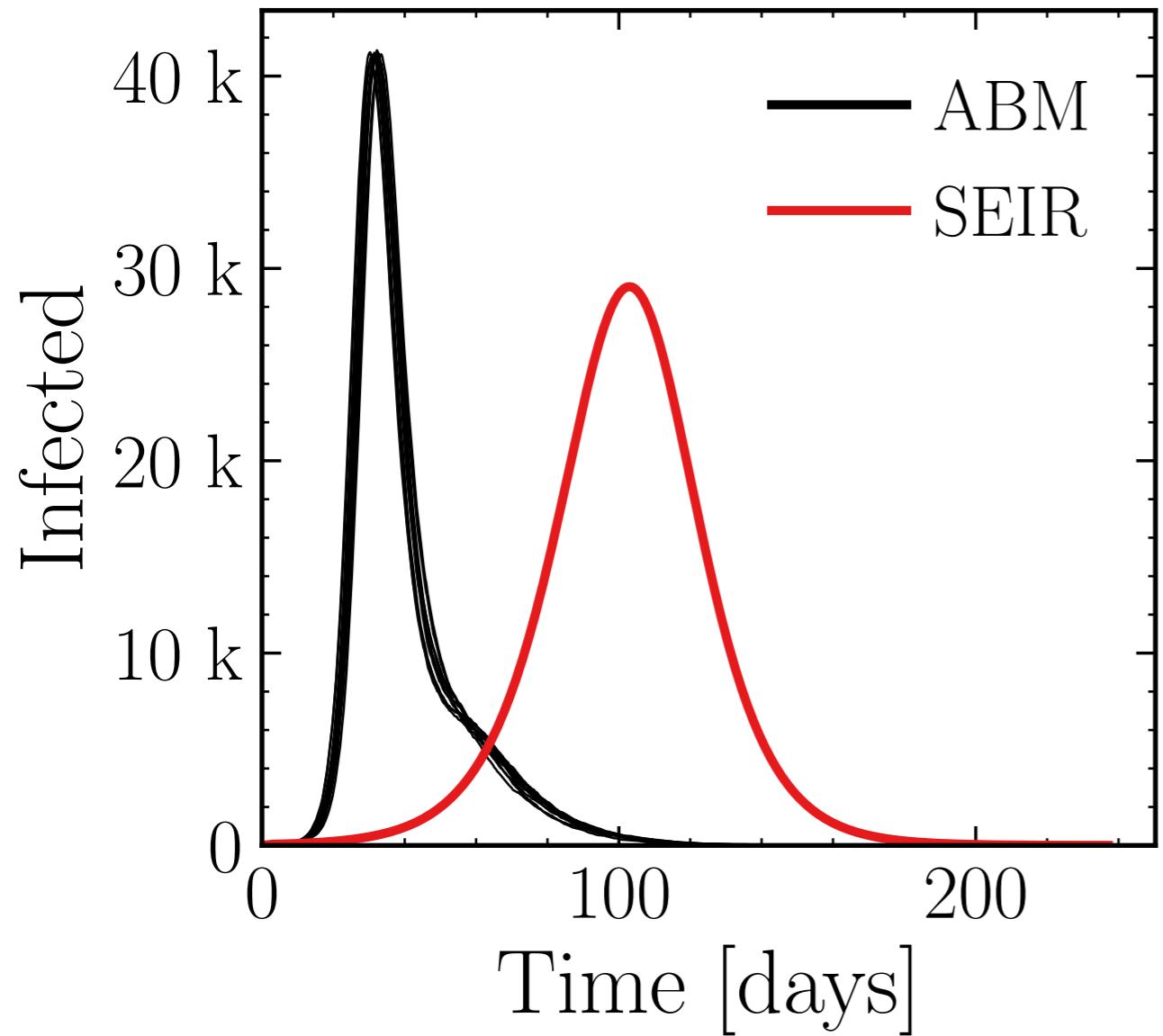


$$R_\infty^{\text{ABM}} = (219.7 \pm 0.091\%) \cdot 10^3$$

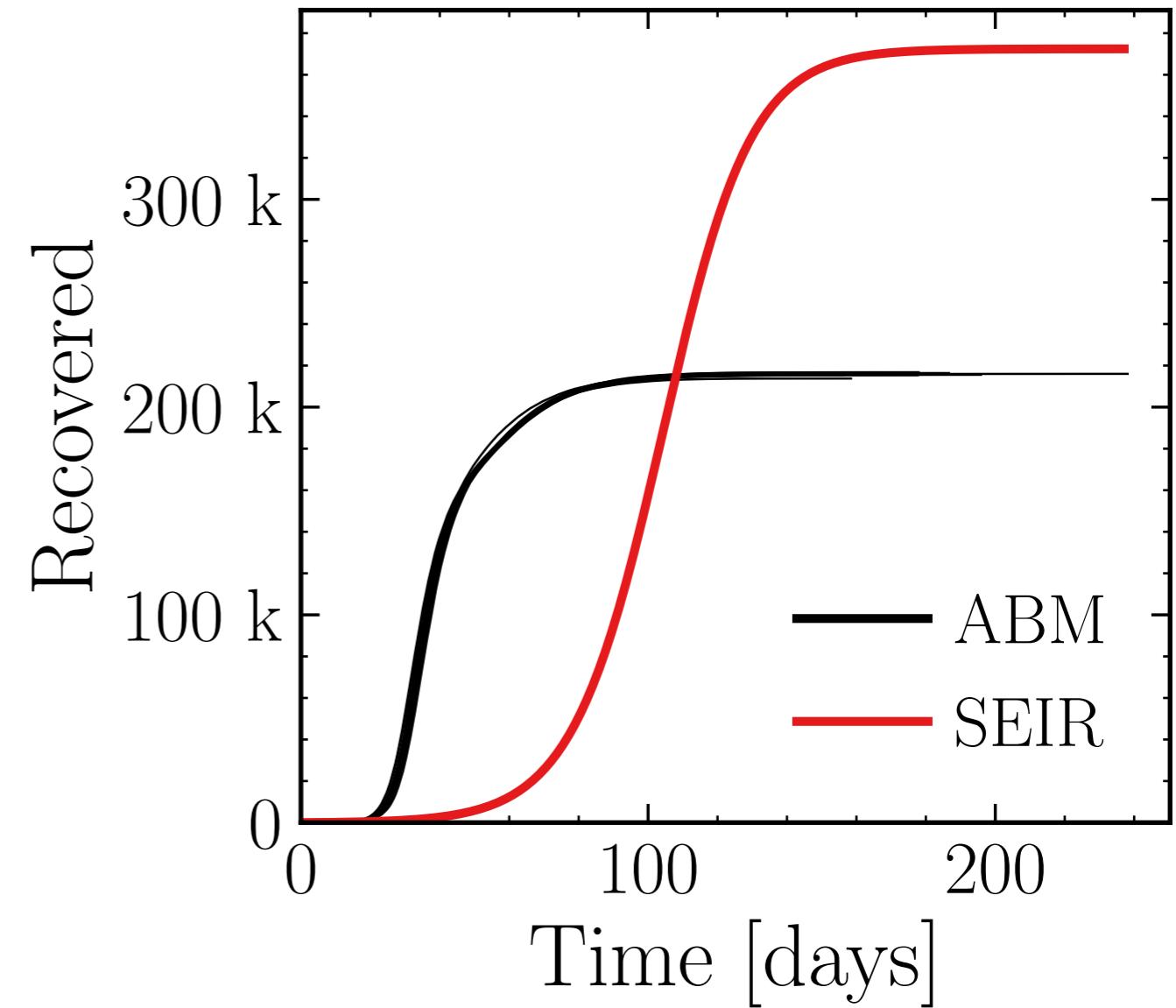


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.75$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.08 \pm 0.14\%) \cdot 10^3$$

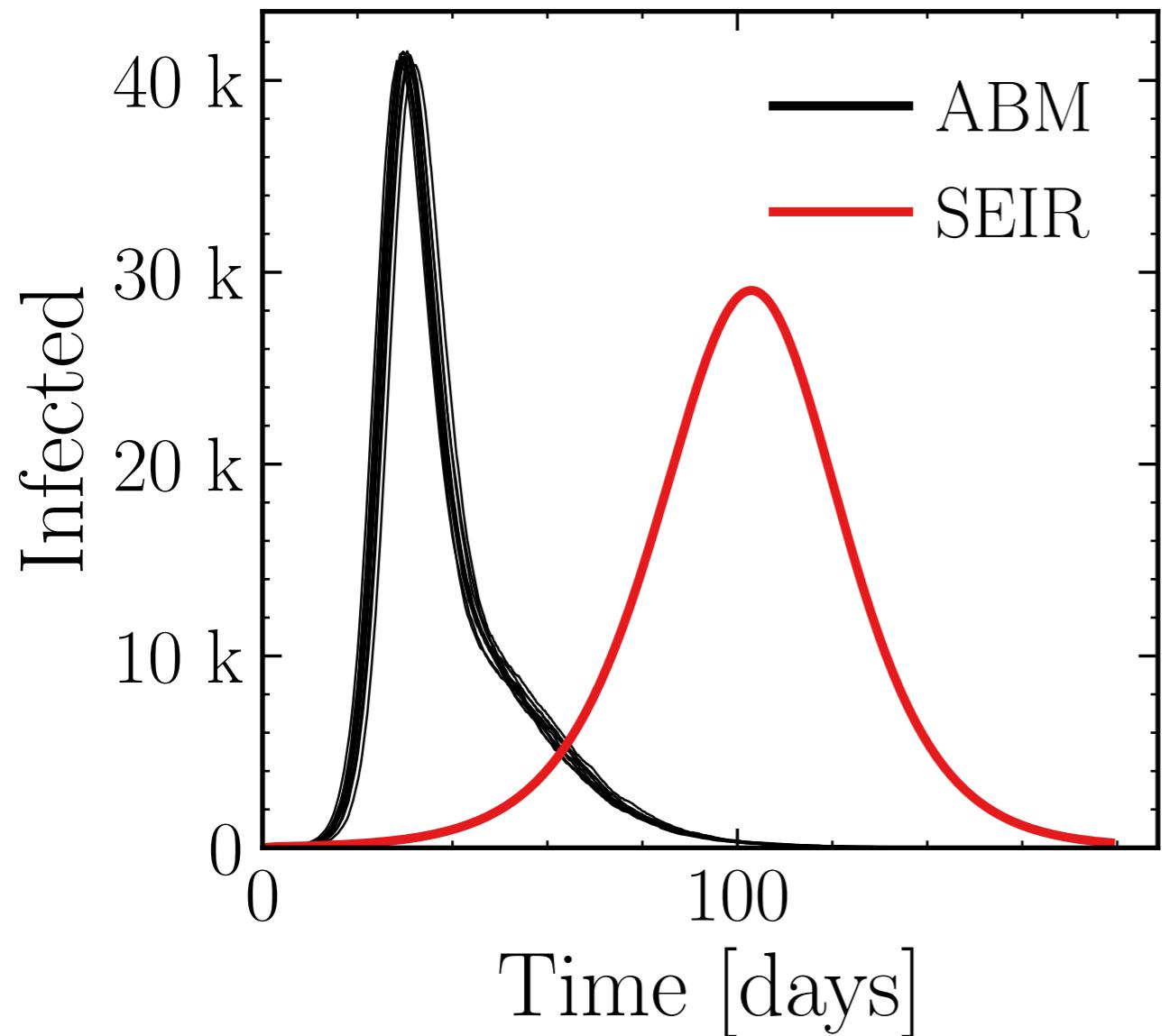


$$R_\infty^{\text{ABM}} = (215.8 \pm 0.13\%) \cdot 10^3$$

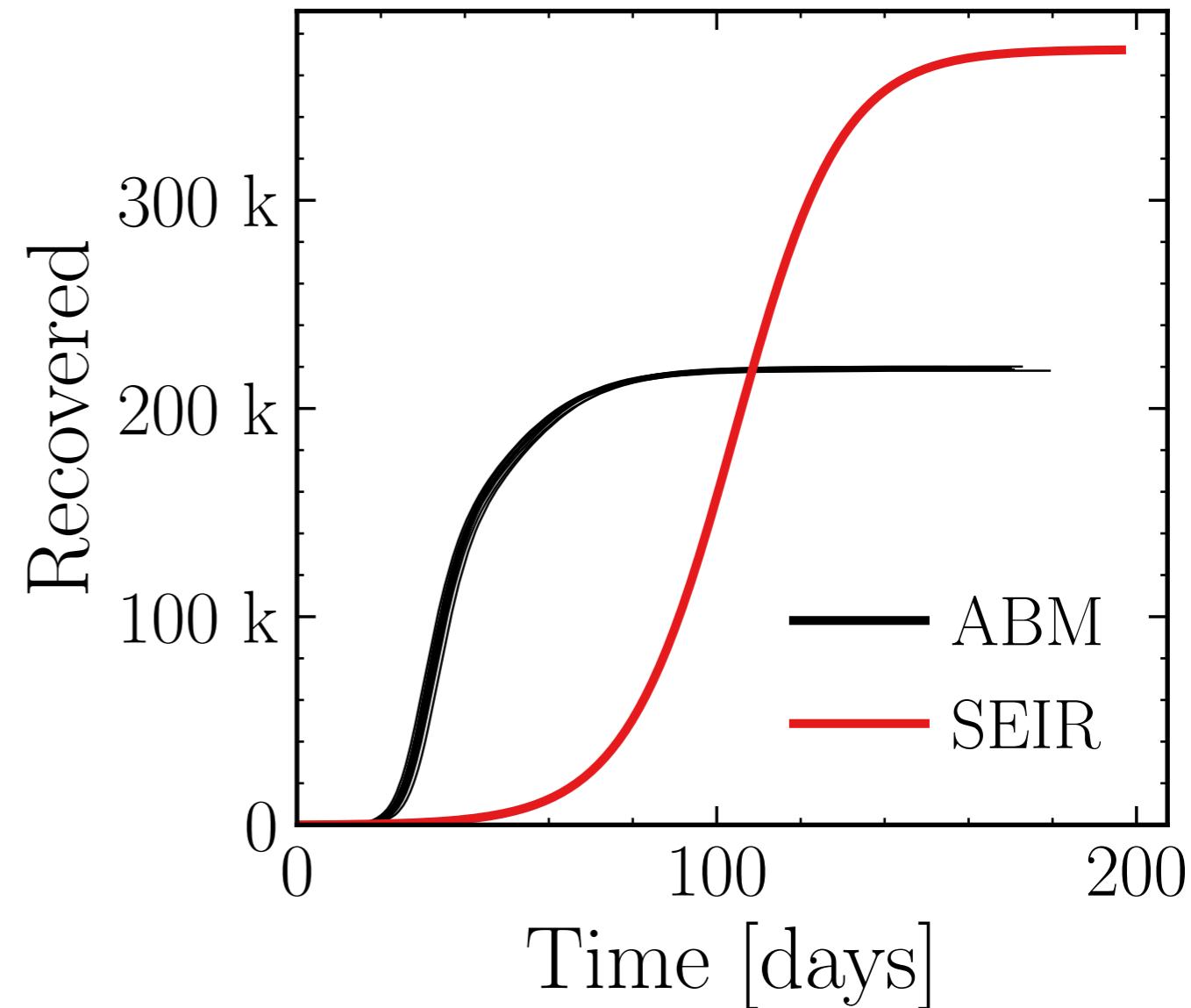


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.16 \pm 0.2\%) \cdot 10^3$$



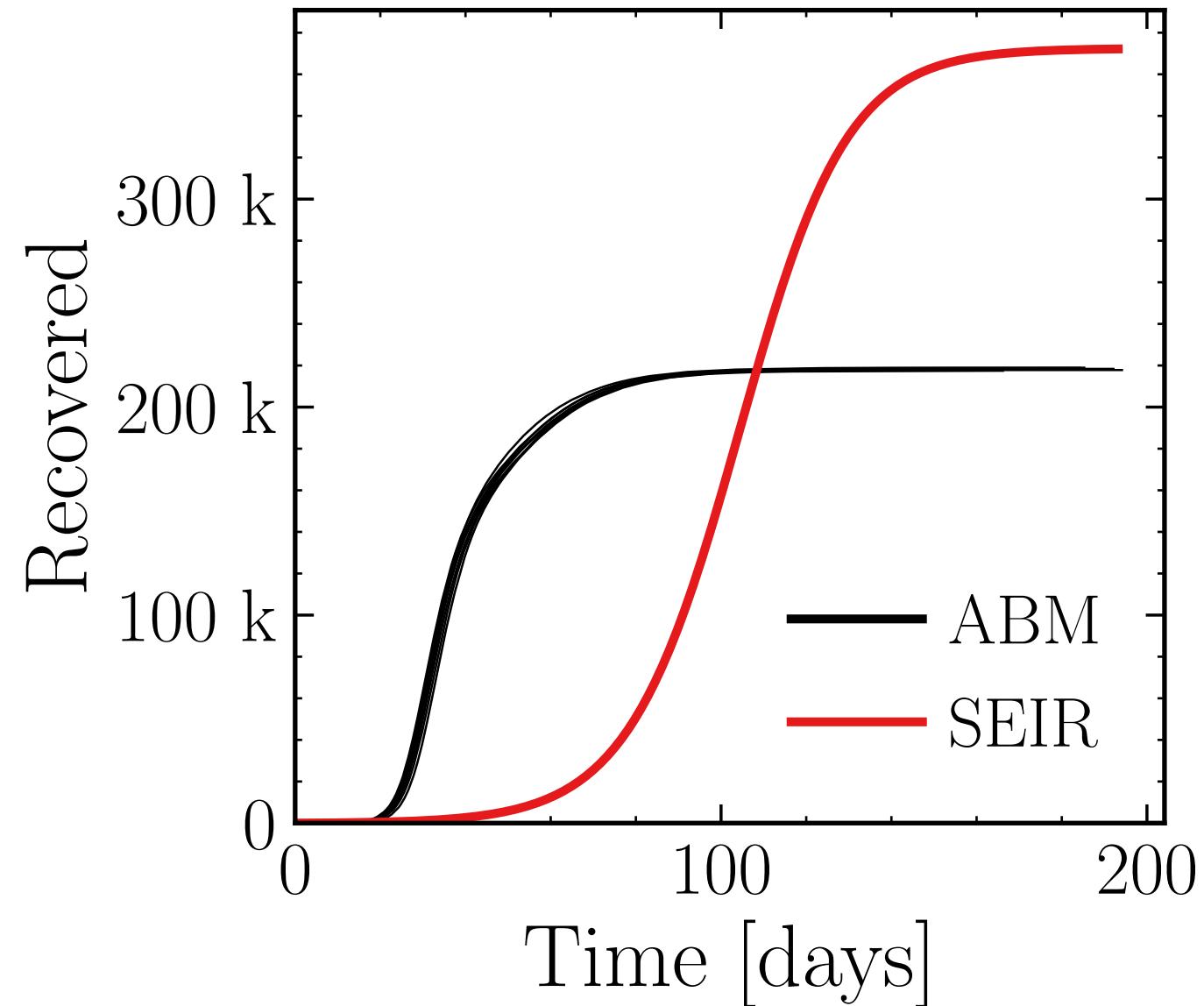
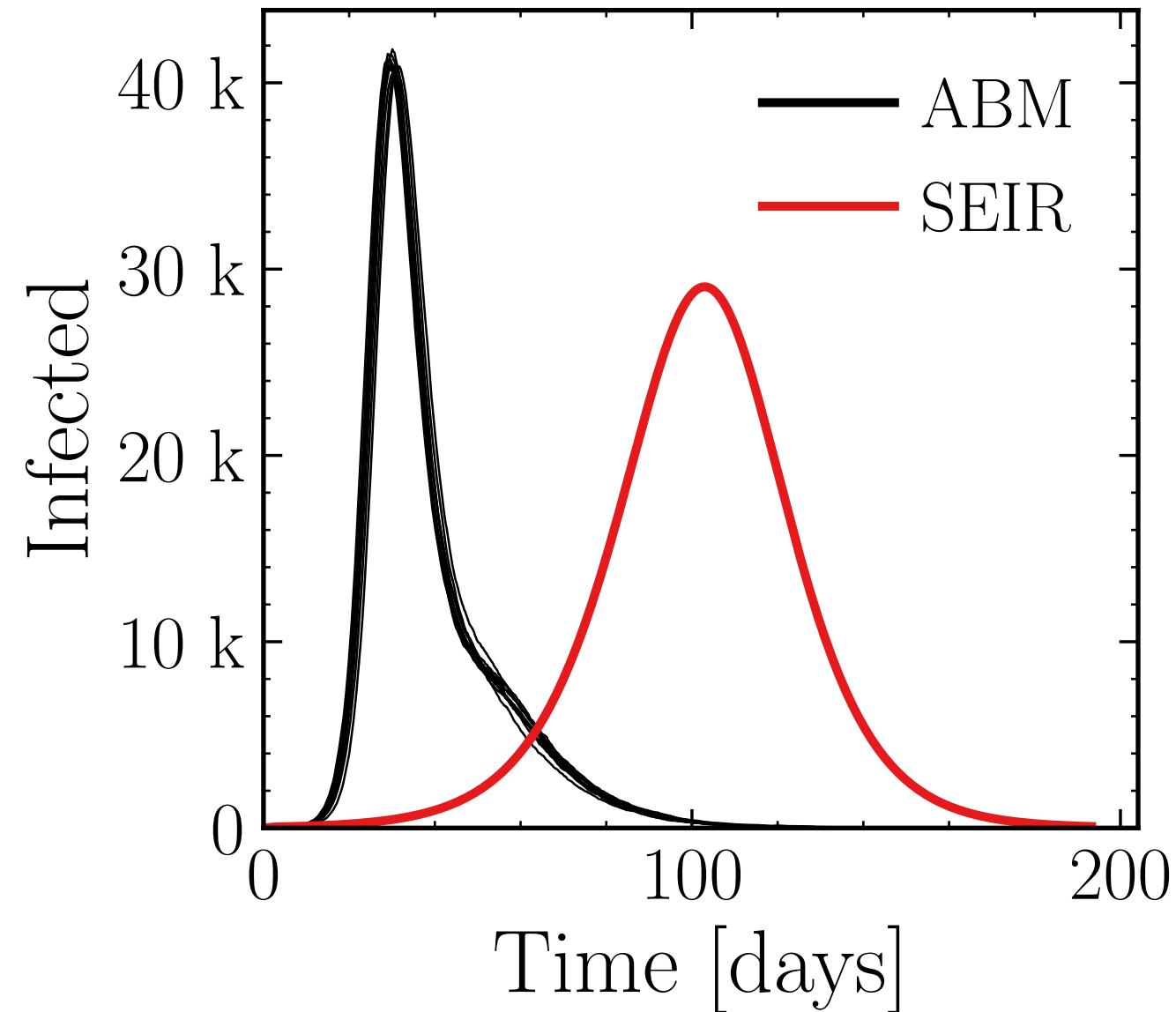
$$R_\infty^{\text{ABM}} = (219.4 \pm 0.083\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.25$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

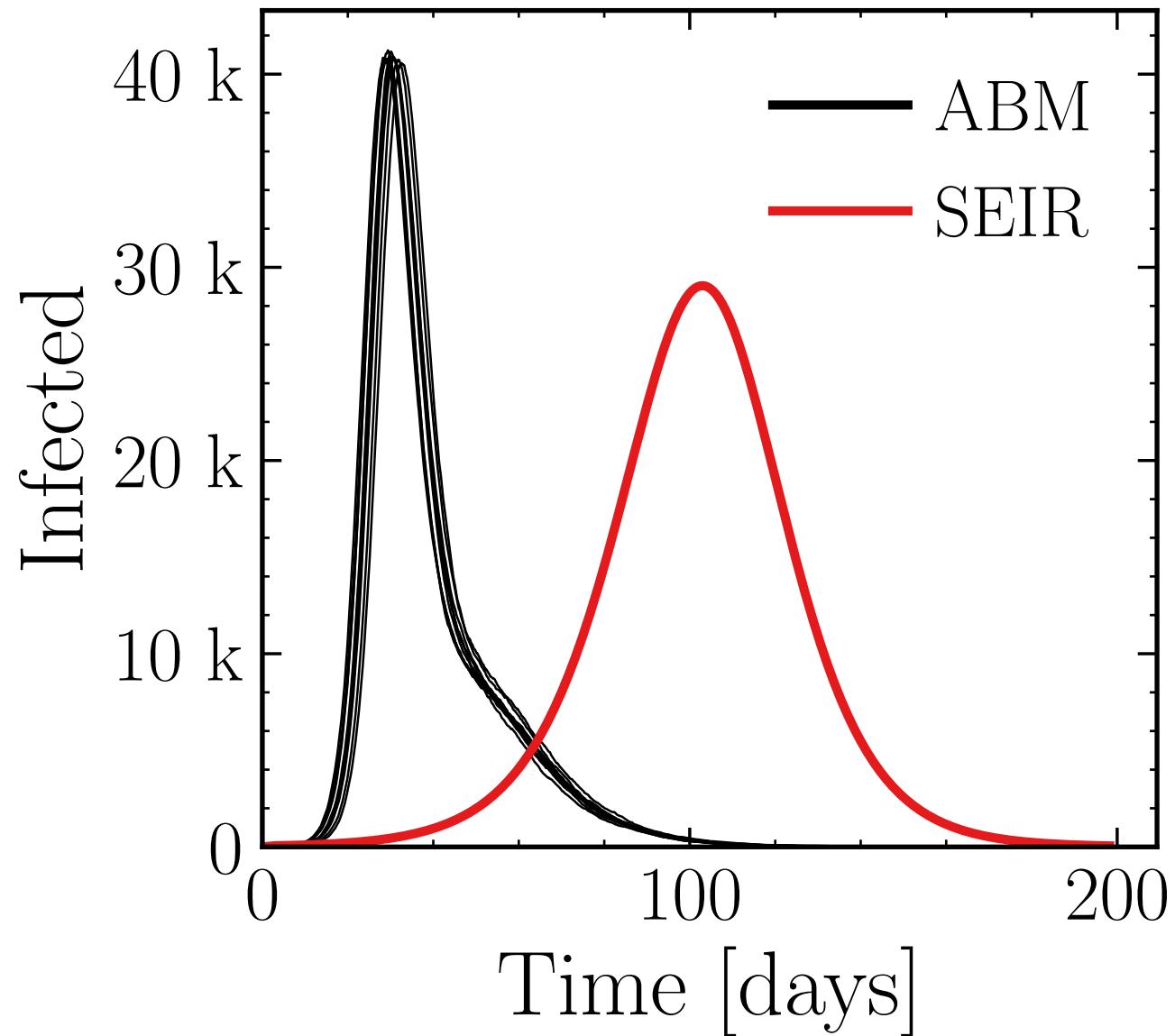
$$I_{\max}^{\text{ABM}} = (41.1 \pm 0.27\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (218.1 \pm 0.063\%) \cdot 10^3$$

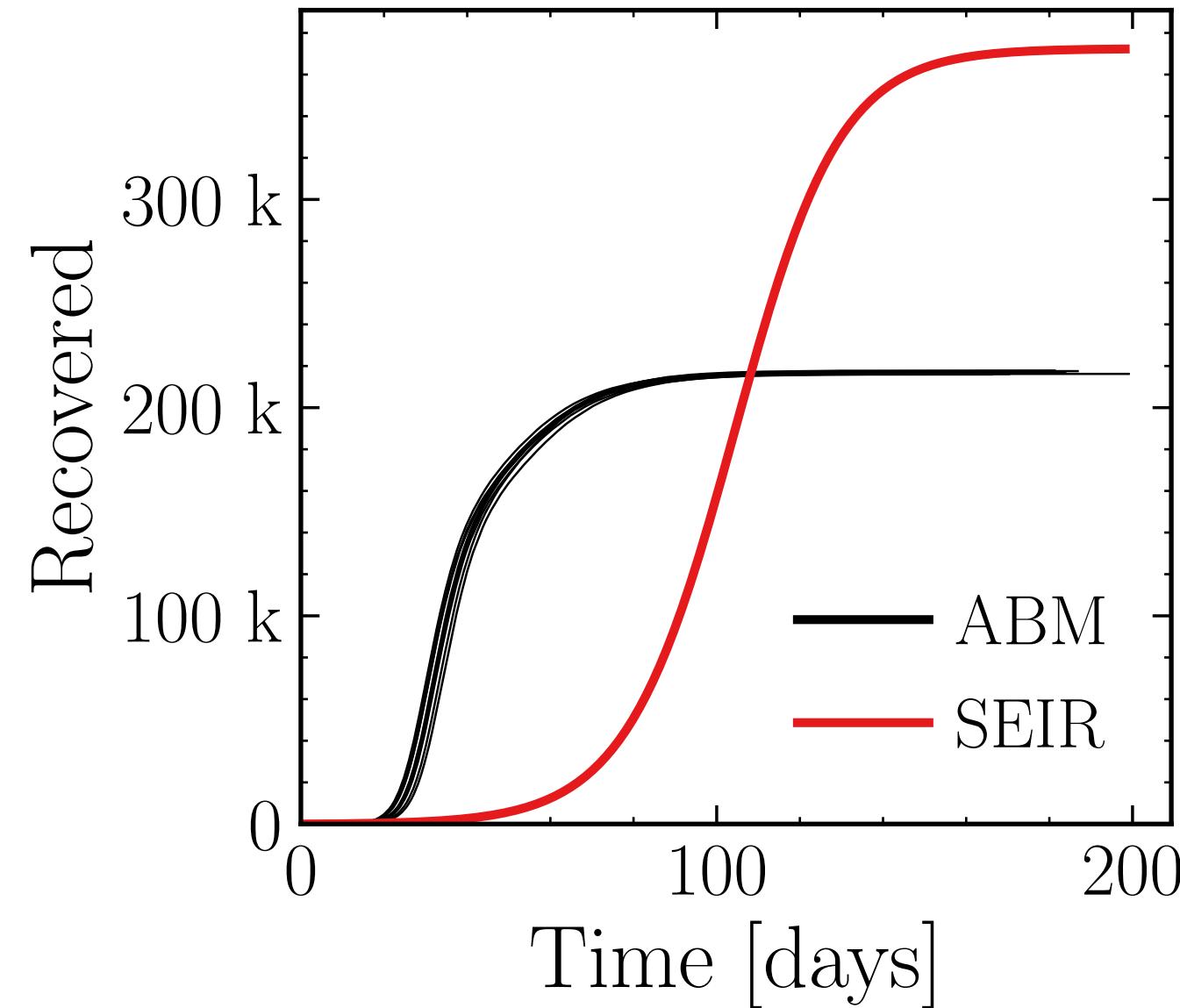


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.5$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.86 \pm 0.15\%) \cdot 10^3$$



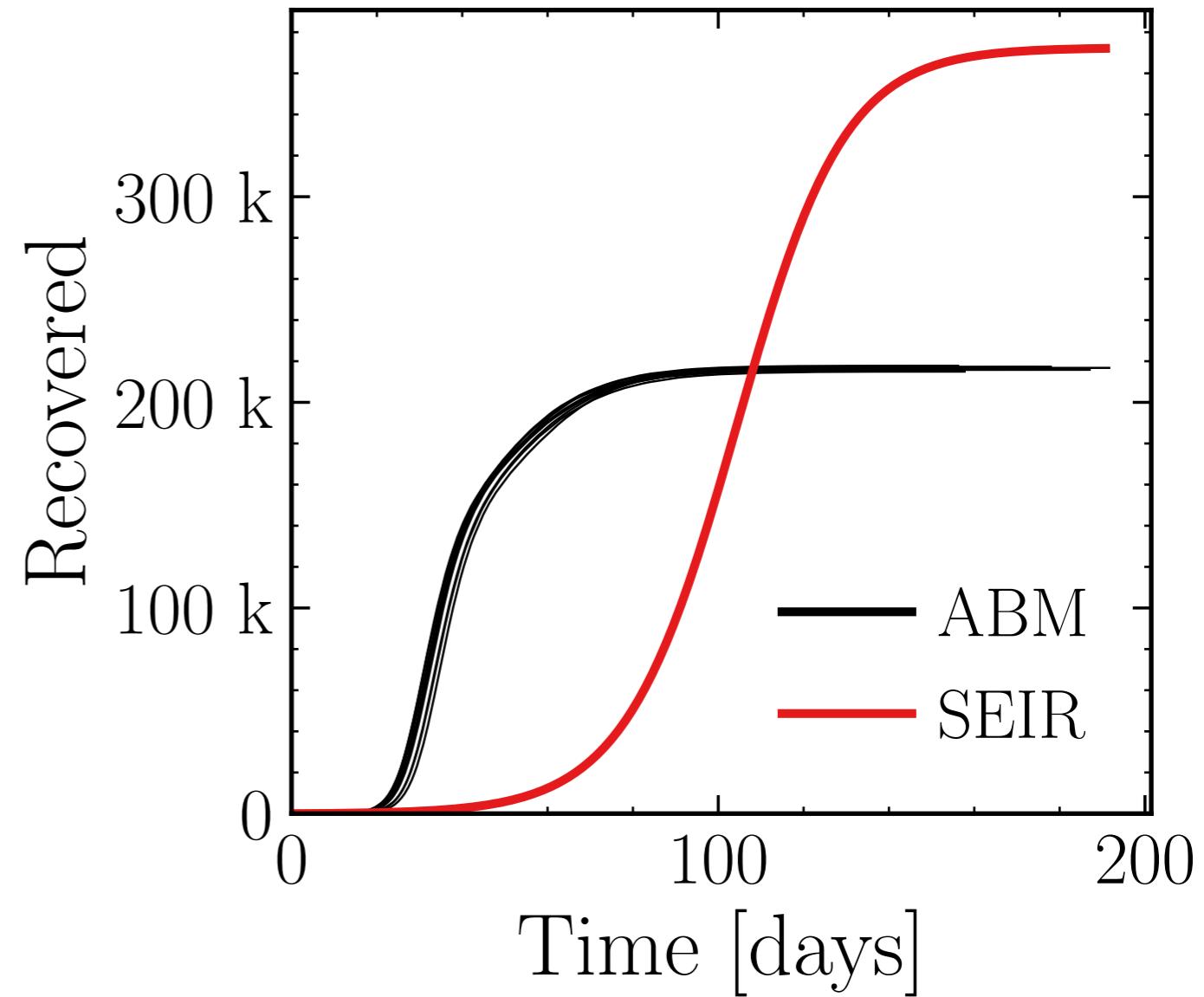
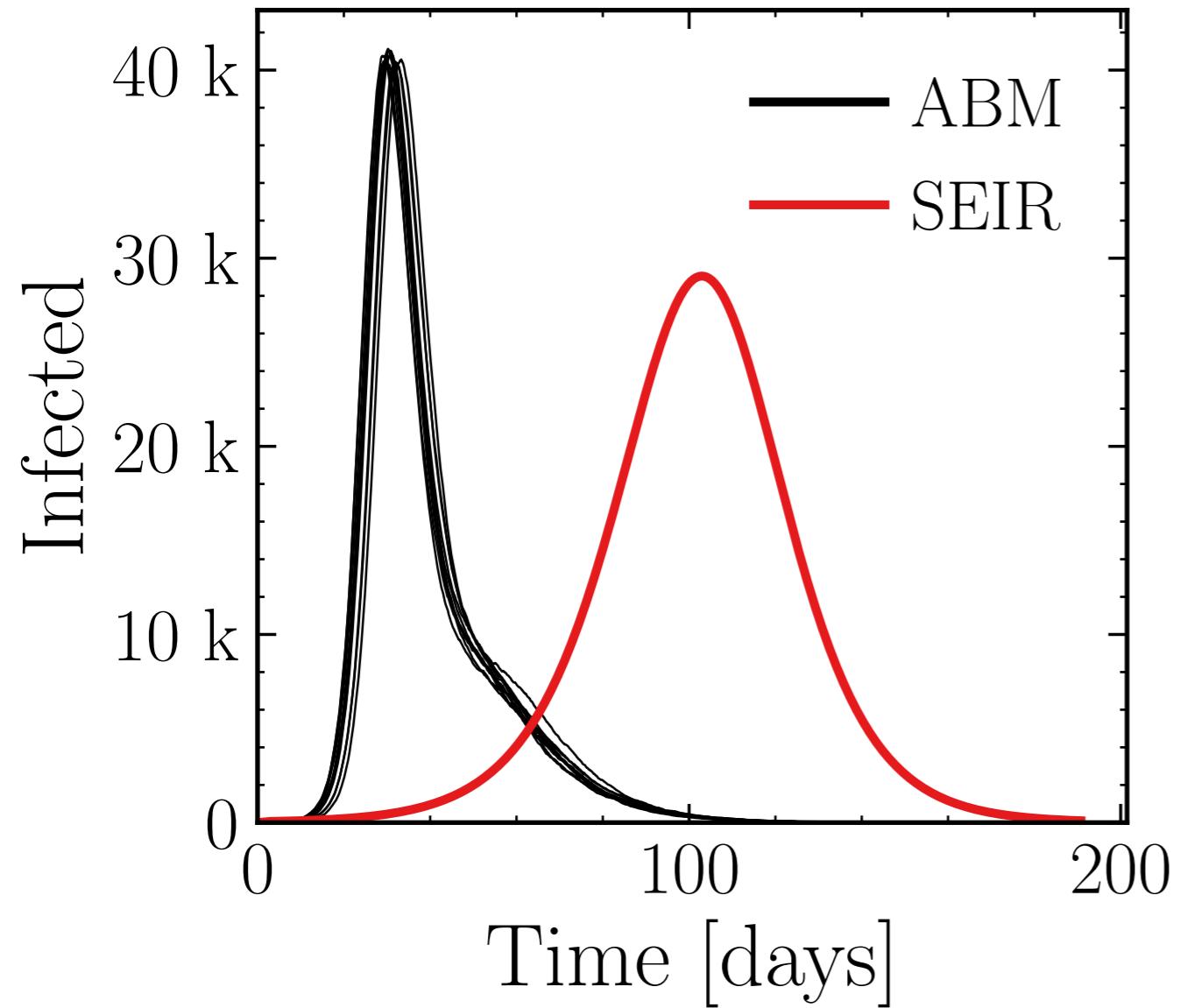
$$R_\infty^{\text{ABM}} = (216.9 \pm 0.089\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 0.75$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.71 \pm 0.2\%) \cdot 10^3$$

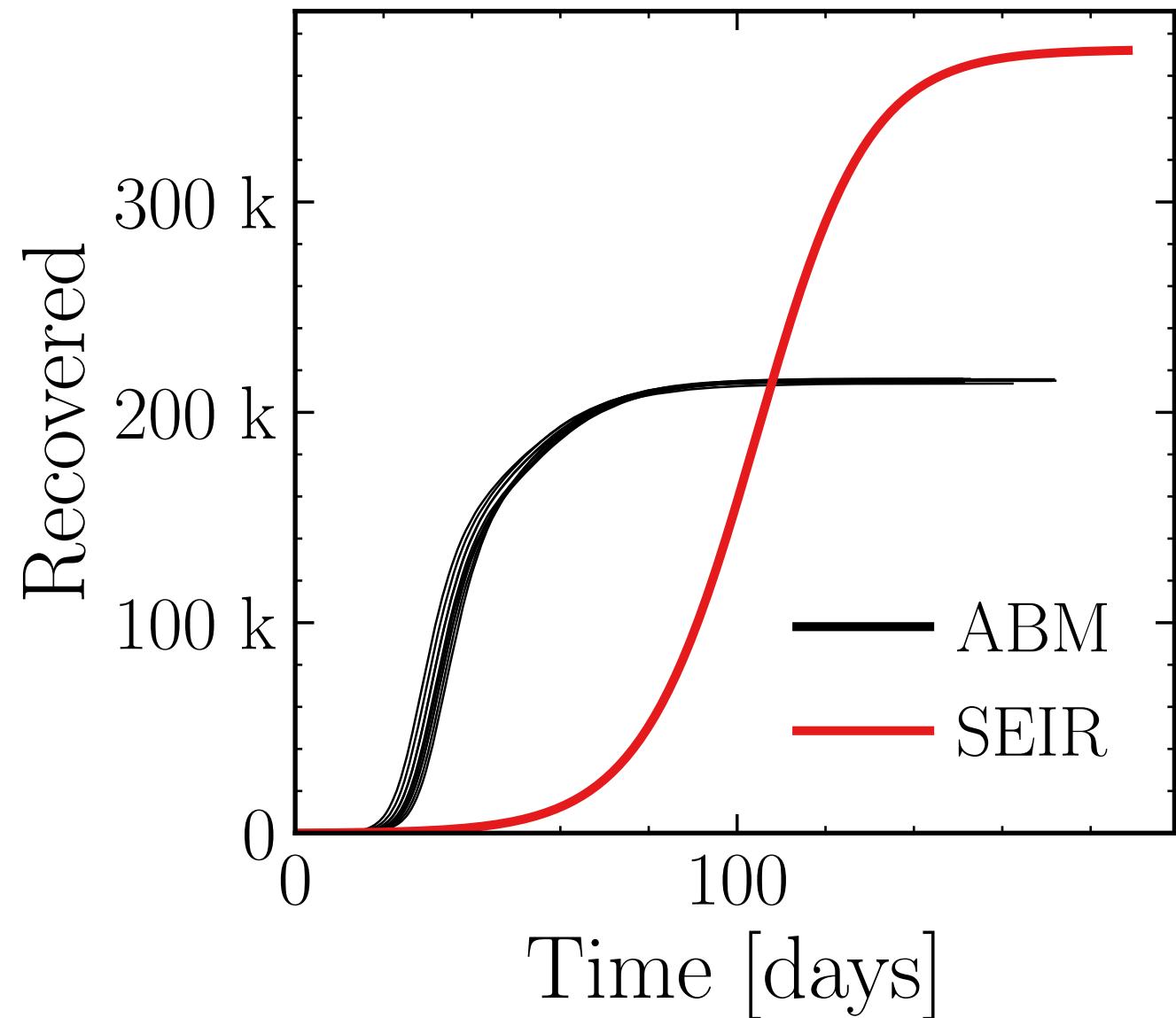
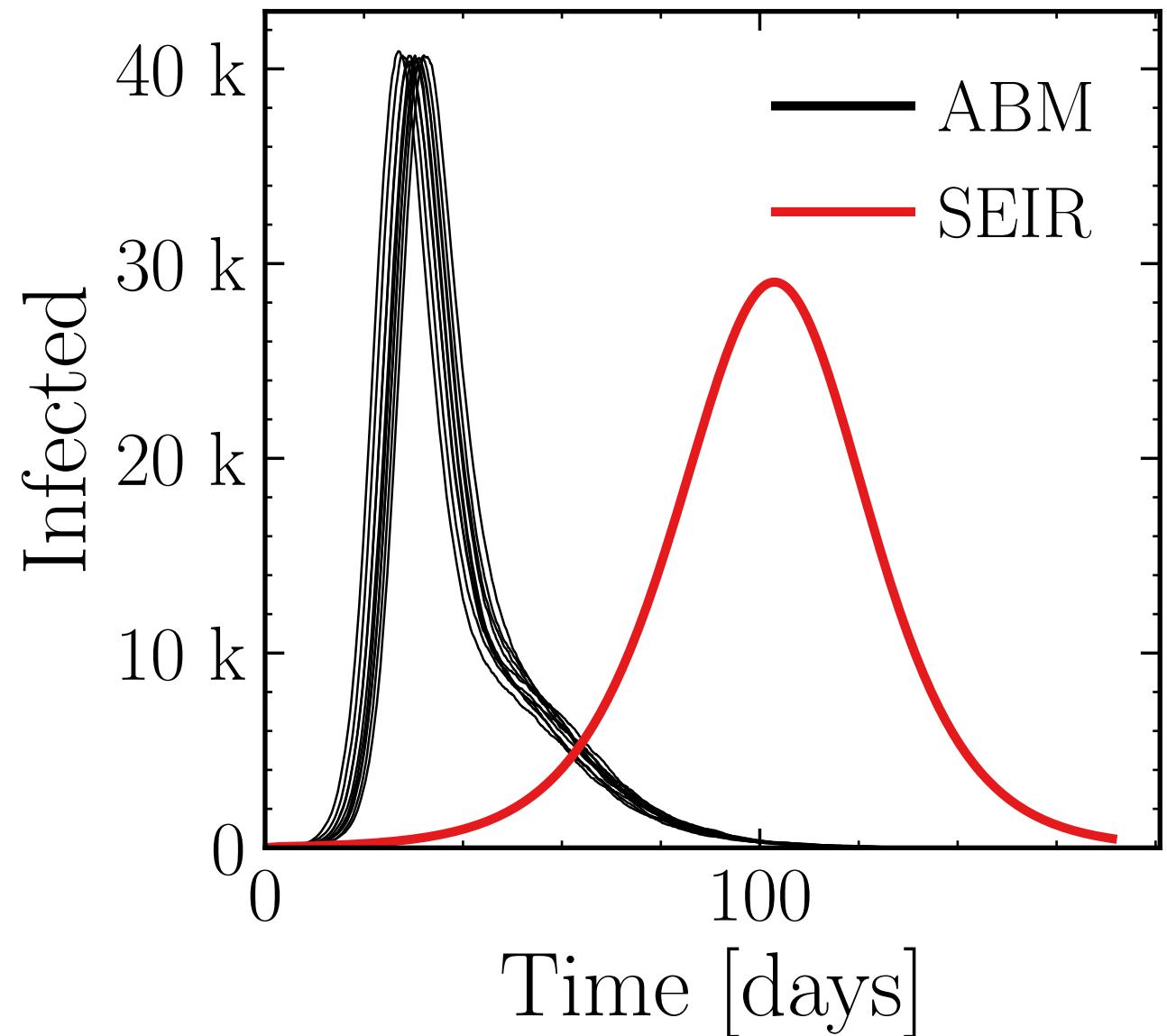
$$R_\infty^{\text{ABM}} = (216.5 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 1.0$, $\beta = 0.01$, $\sigma_\beta = 1.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.59 \pm 0.14\%) \cdot 10^3$$

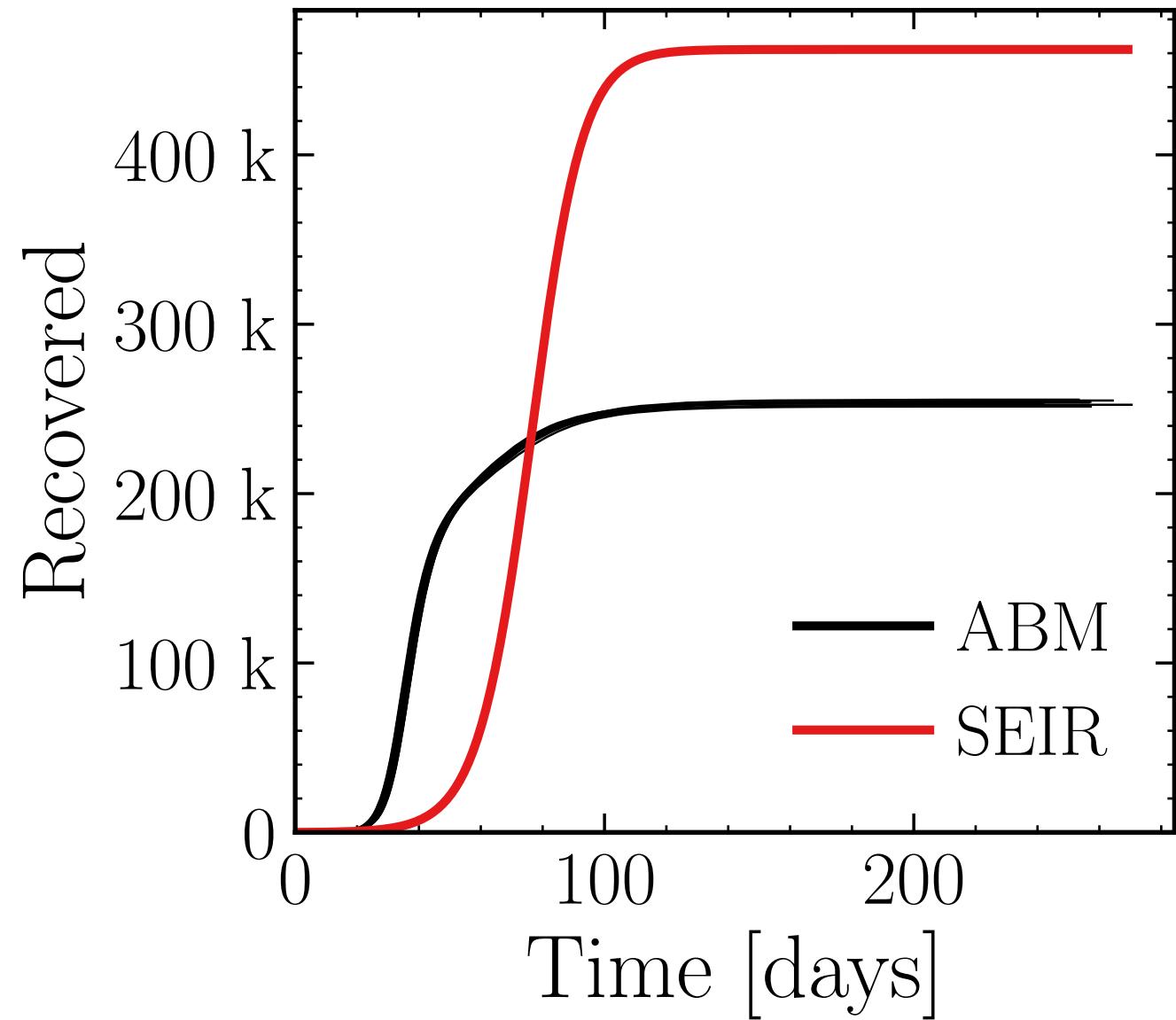
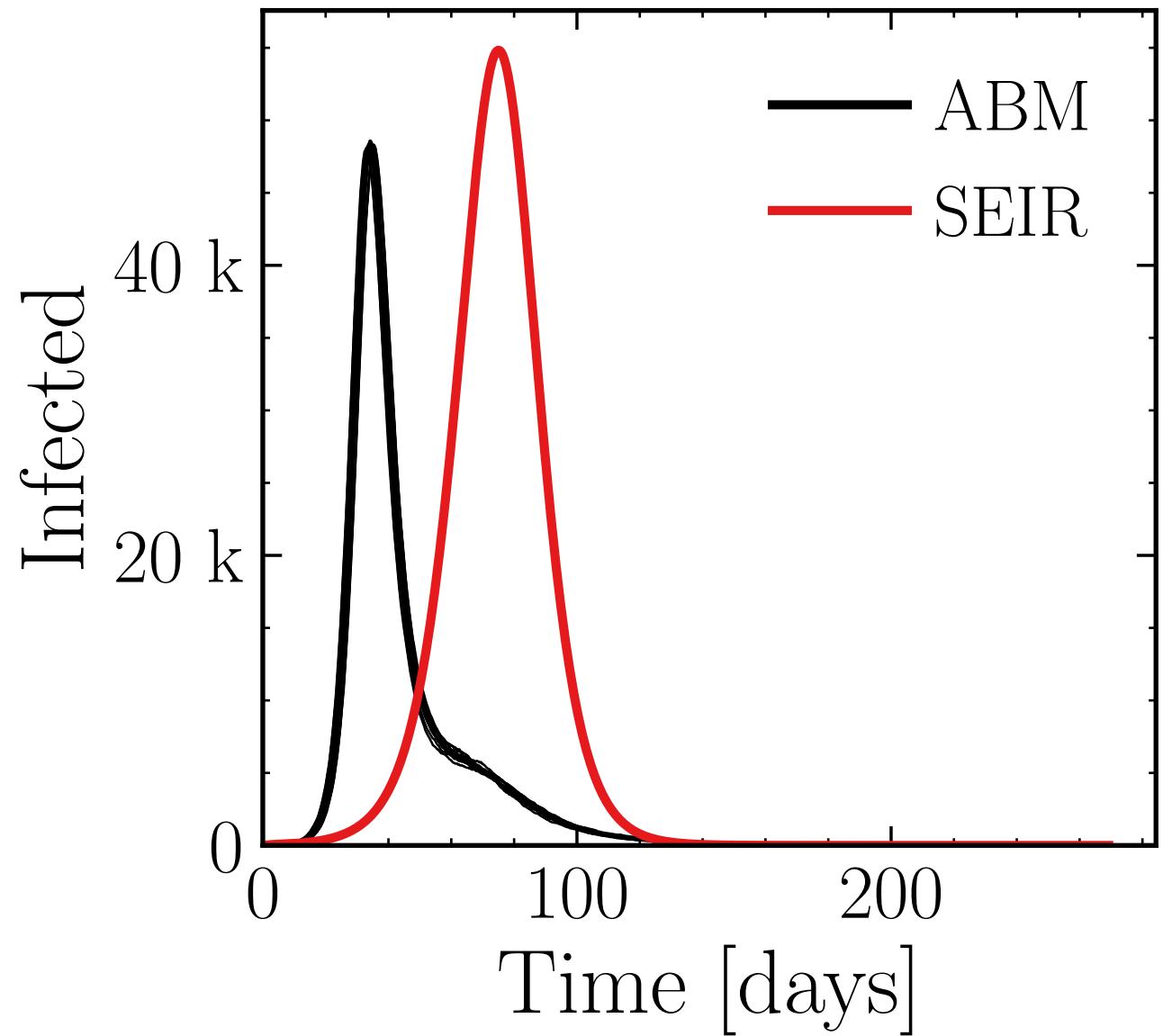
$$R_\infty^{\text{ABM}} = (215.2 \pm 0.097\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 50.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

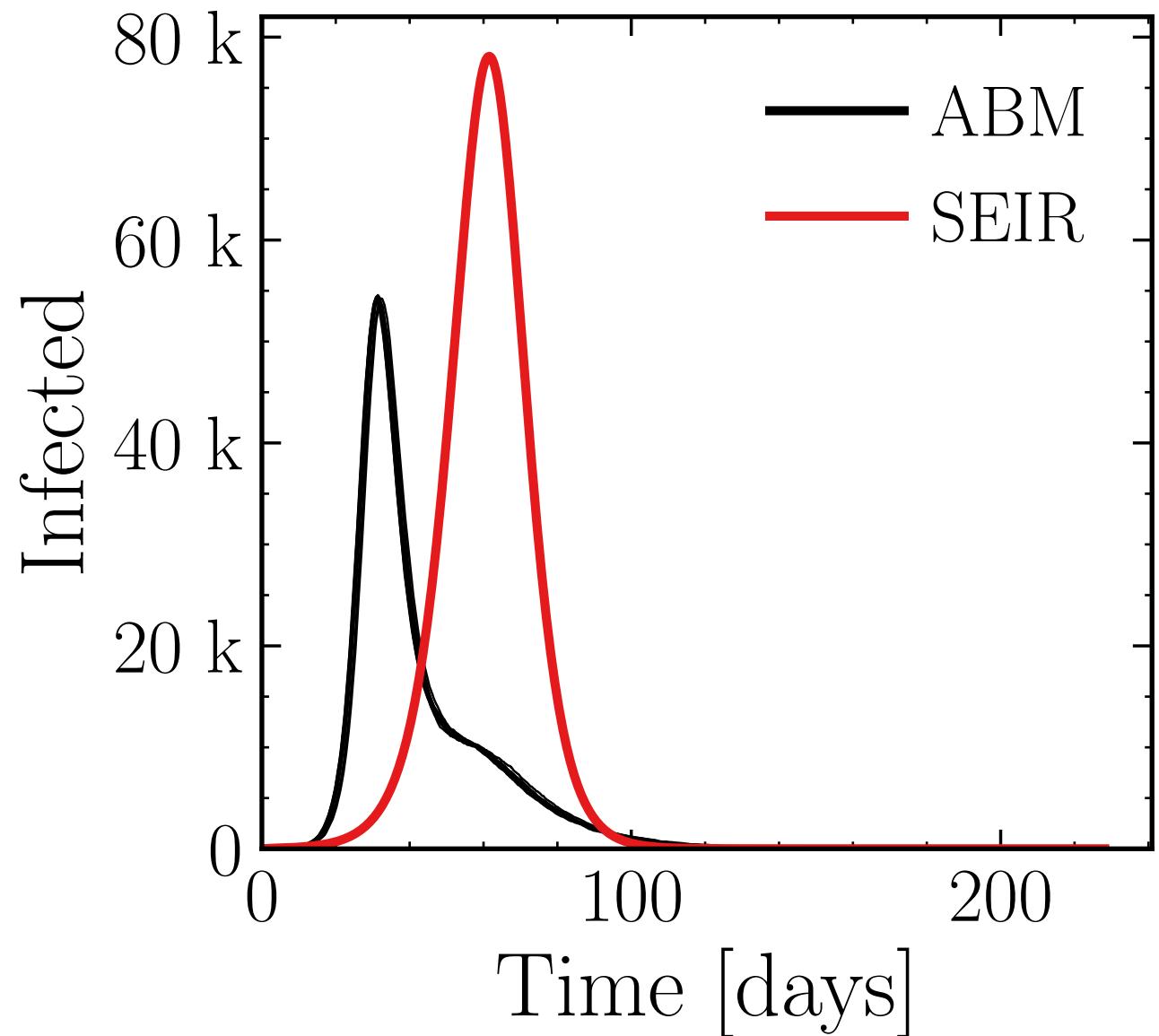
$$I_{\max}^{\text{ABM}} = (48.26 \pm 0.15\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (253.5 \pm 0.15\%) \cdot 10^3$$

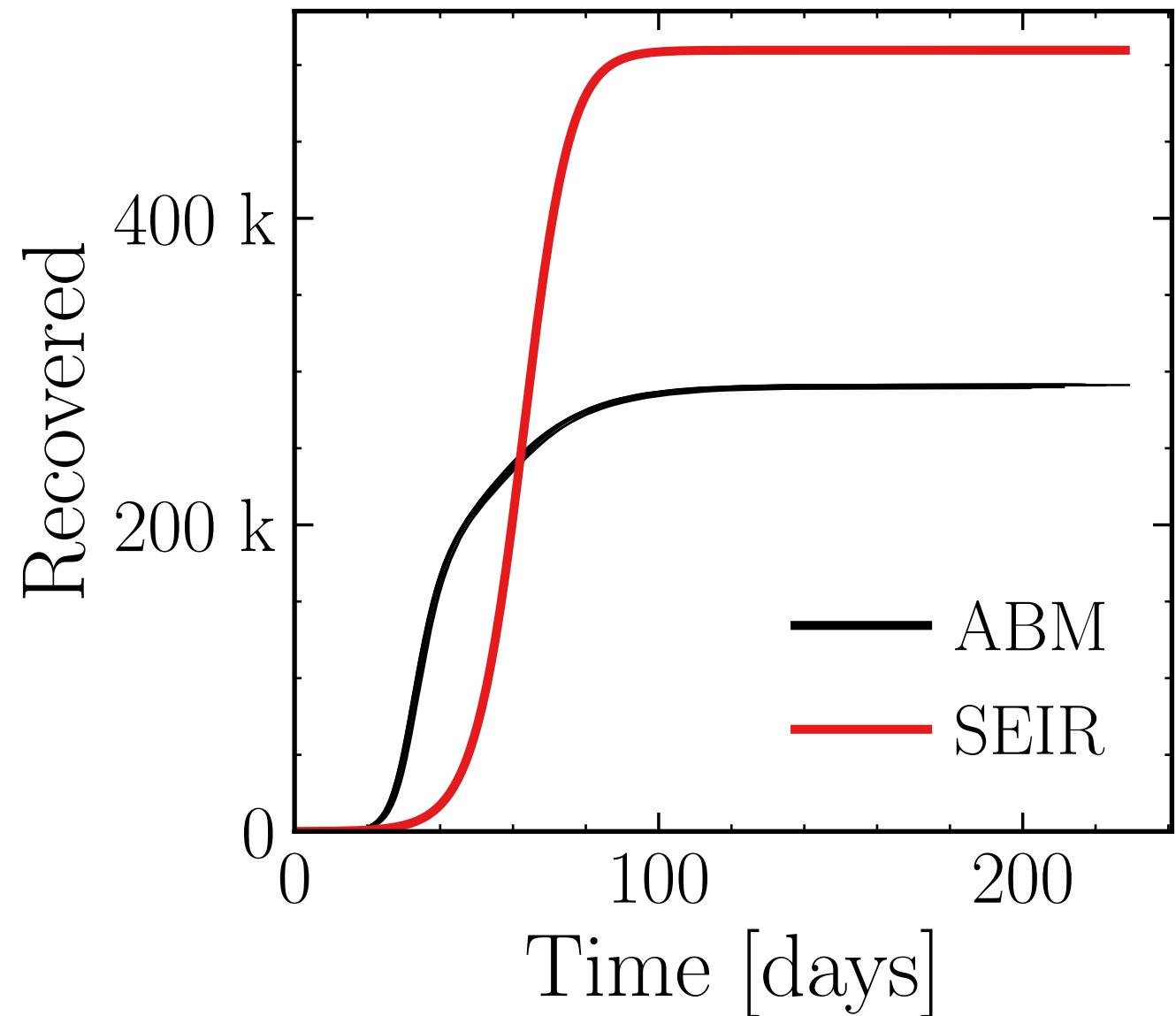


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 60.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (54.18 \pm 0.13\%) \cdot 10^3$$

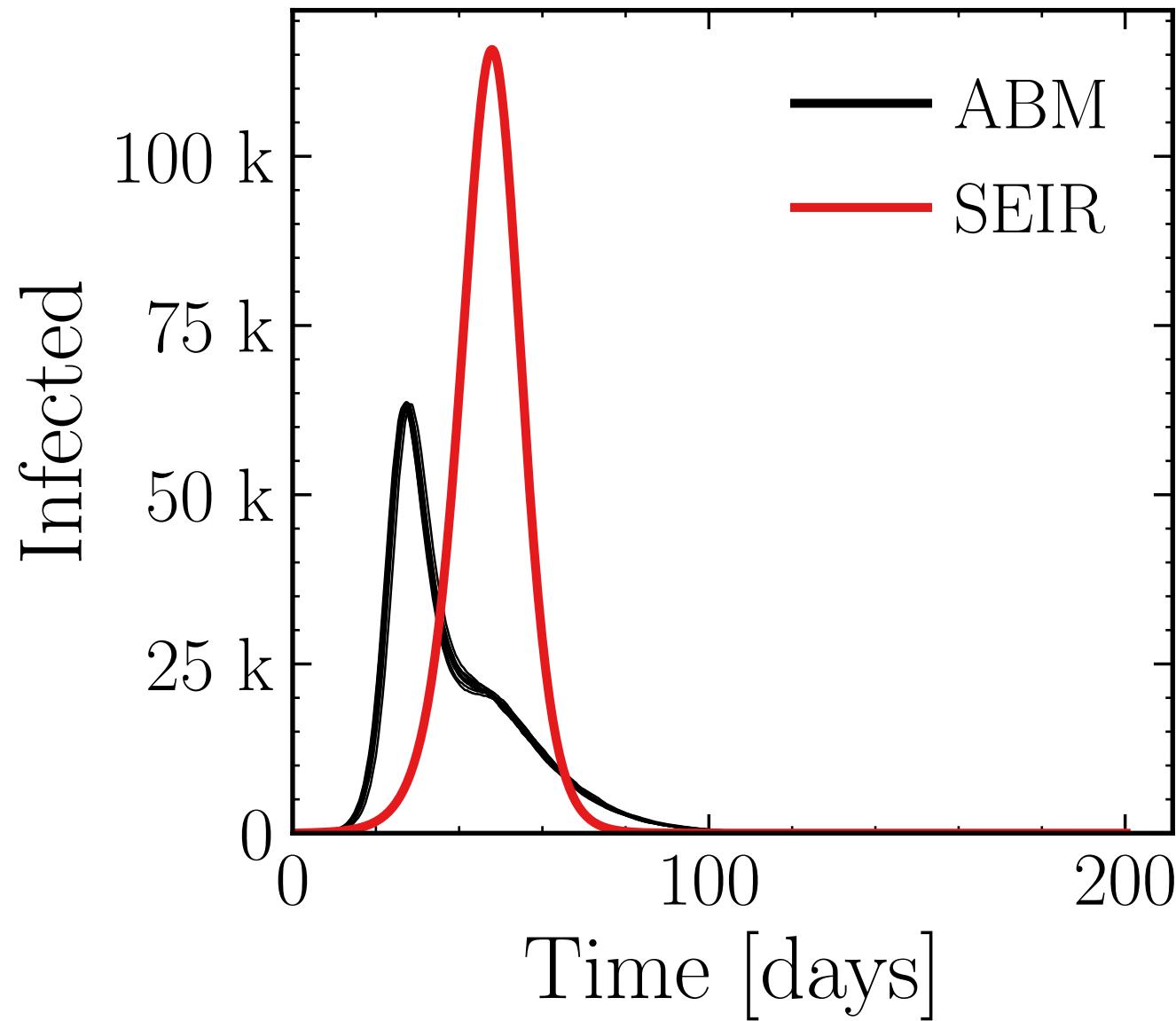


$$R_\infty^{\text{ABM}} = (290.7 \pm 0.089\%) \cdot 10^3$$

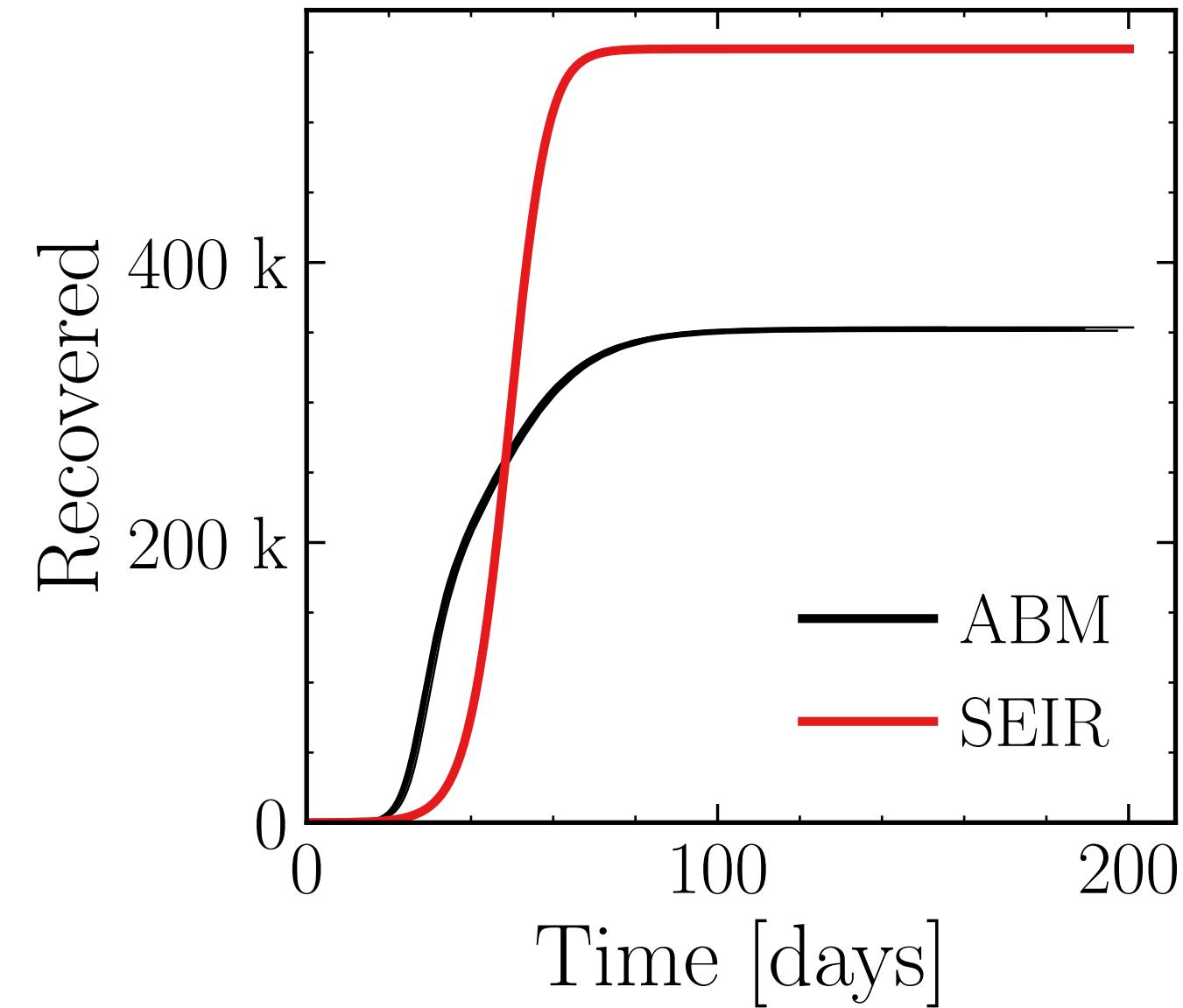


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 80.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (63.23 \pm 0.15\%) \cdot 10^3$$



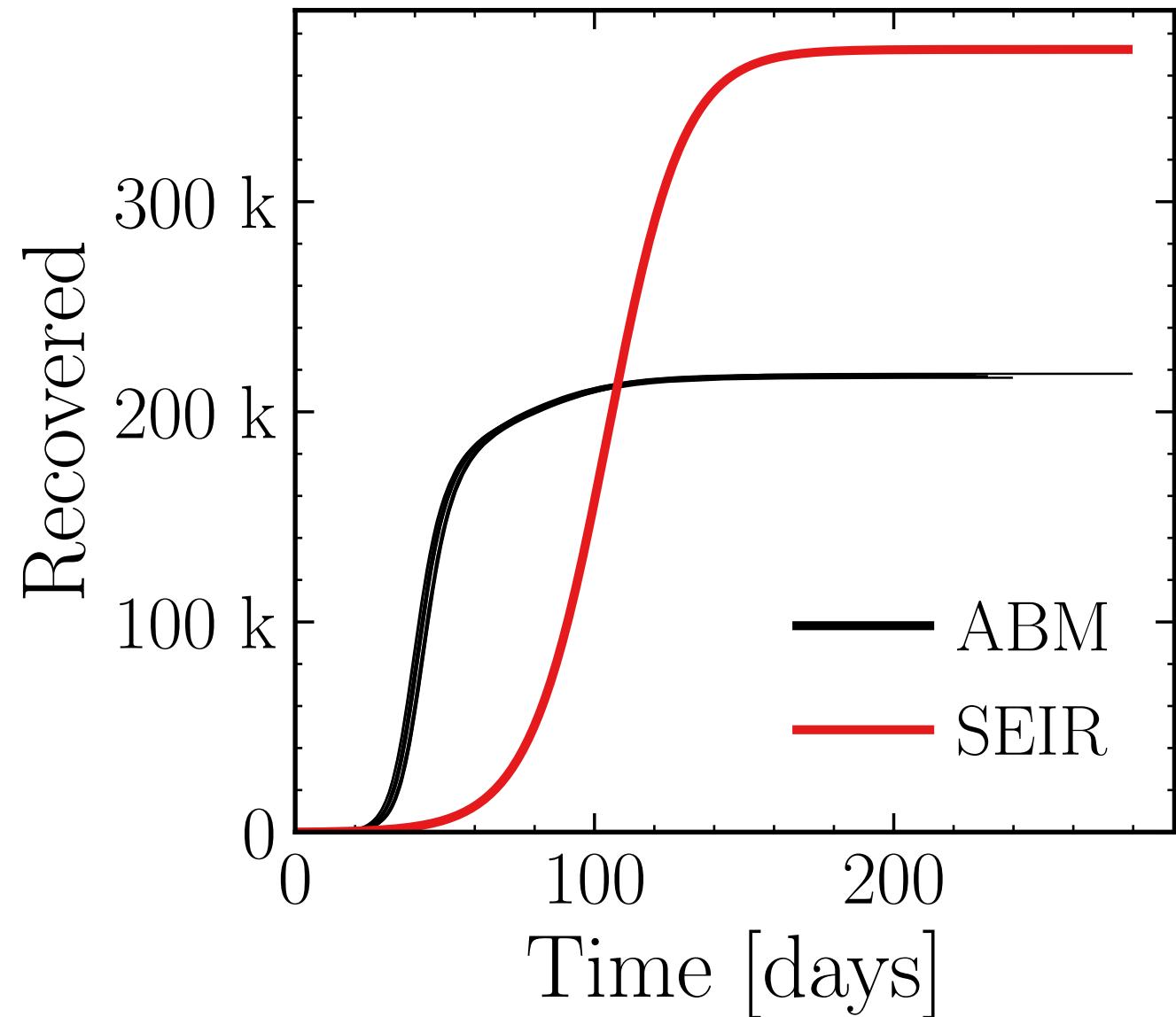
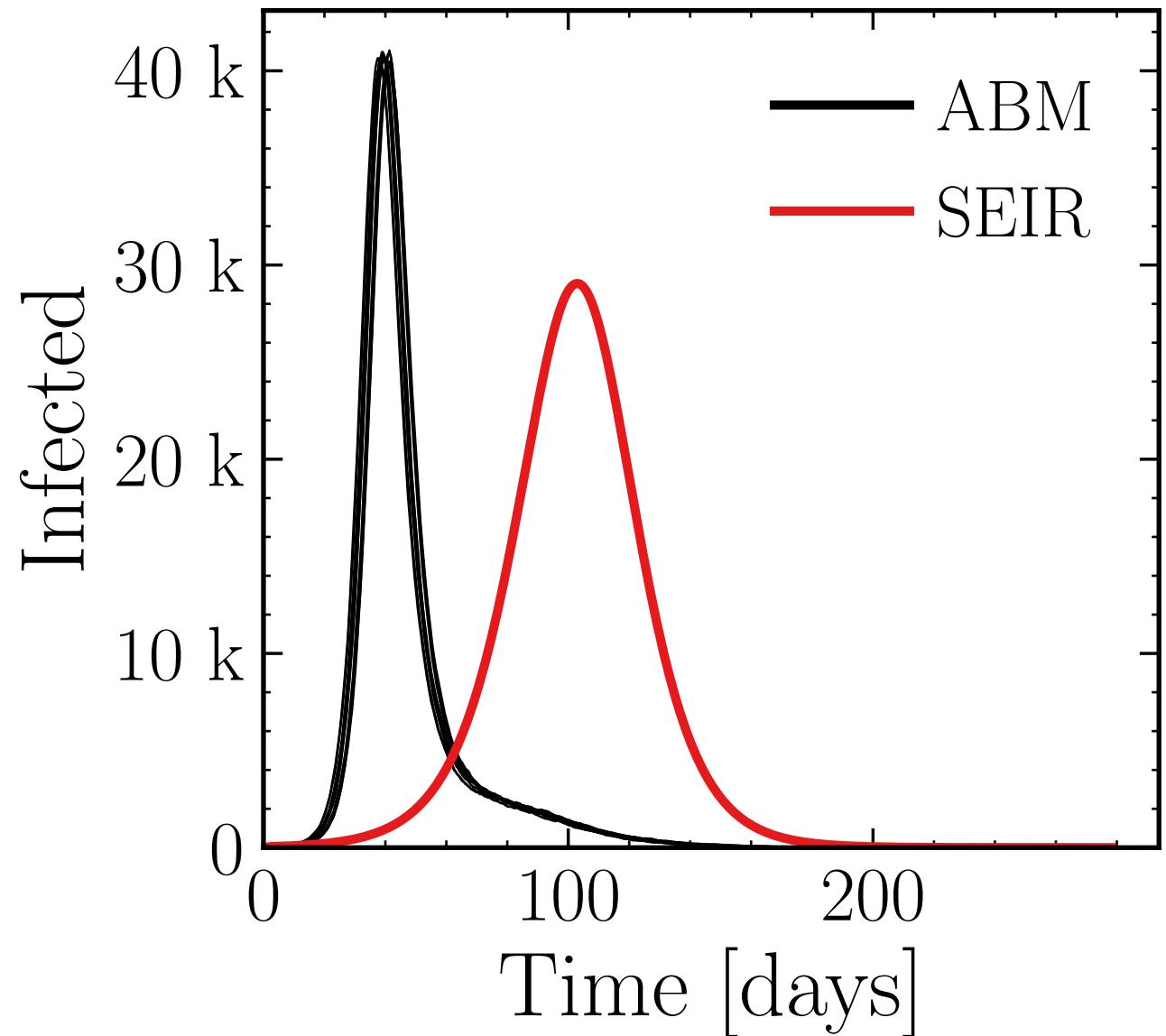
$$R_\infty^{\text{ABM}} = (352.4 \pm 0.074\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.05$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.73 \pm 0.15\%) \cdot 10^3$$

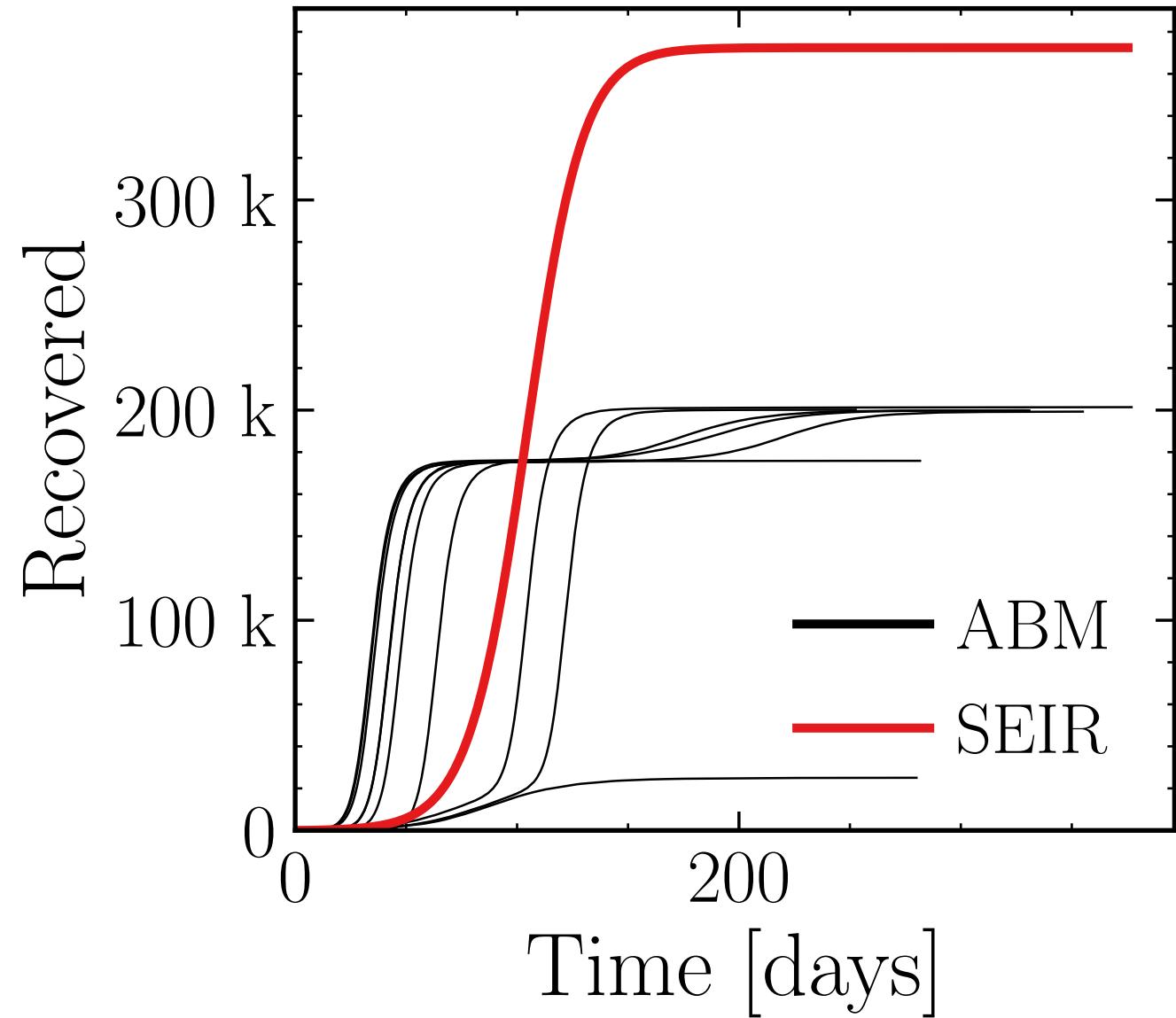
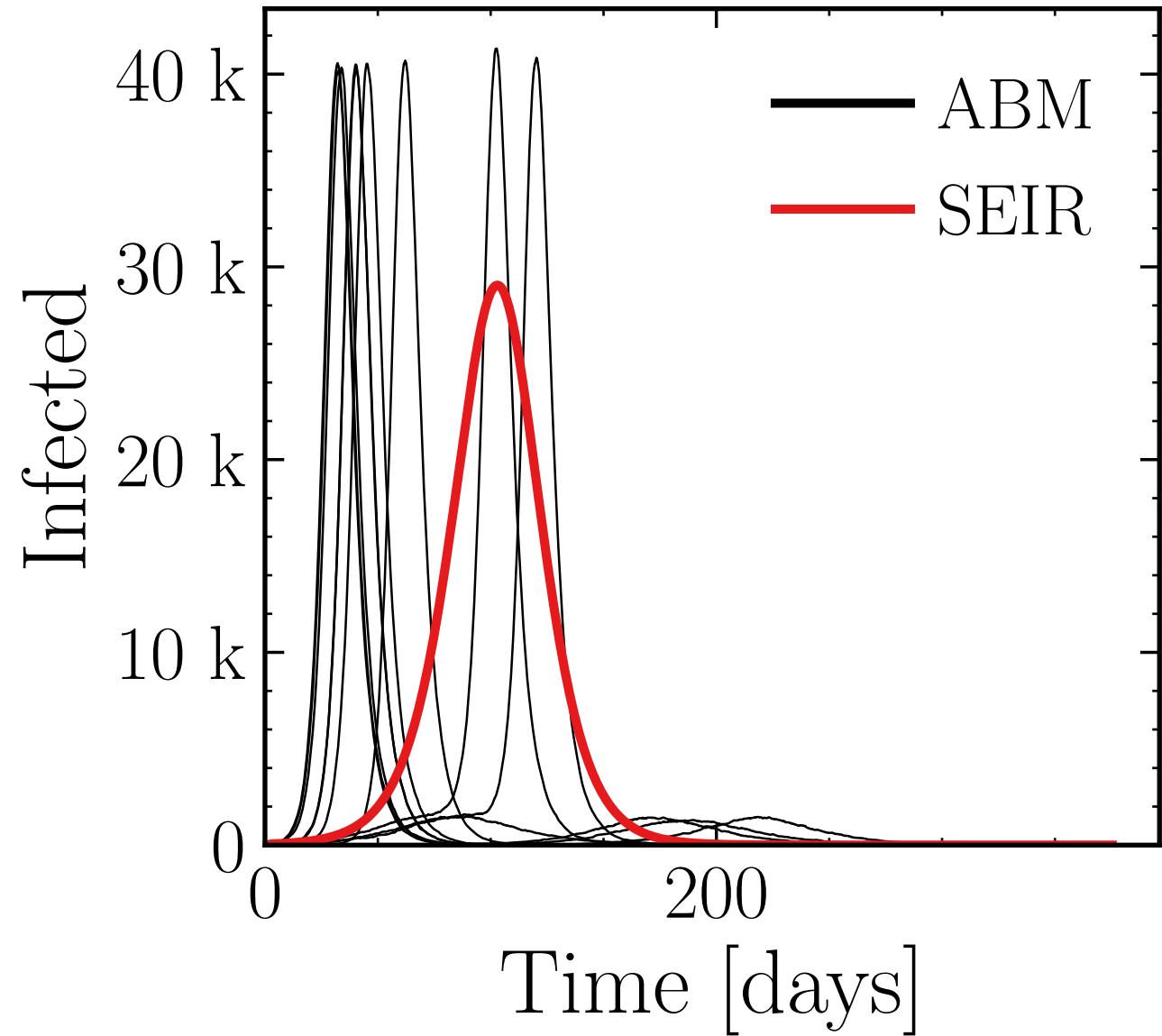
$$R_\infty^{\text{ABM}} = (217.3 \pm 0.072\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = False, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (37 \pm 1e+01\%) \cdot 10^3$$

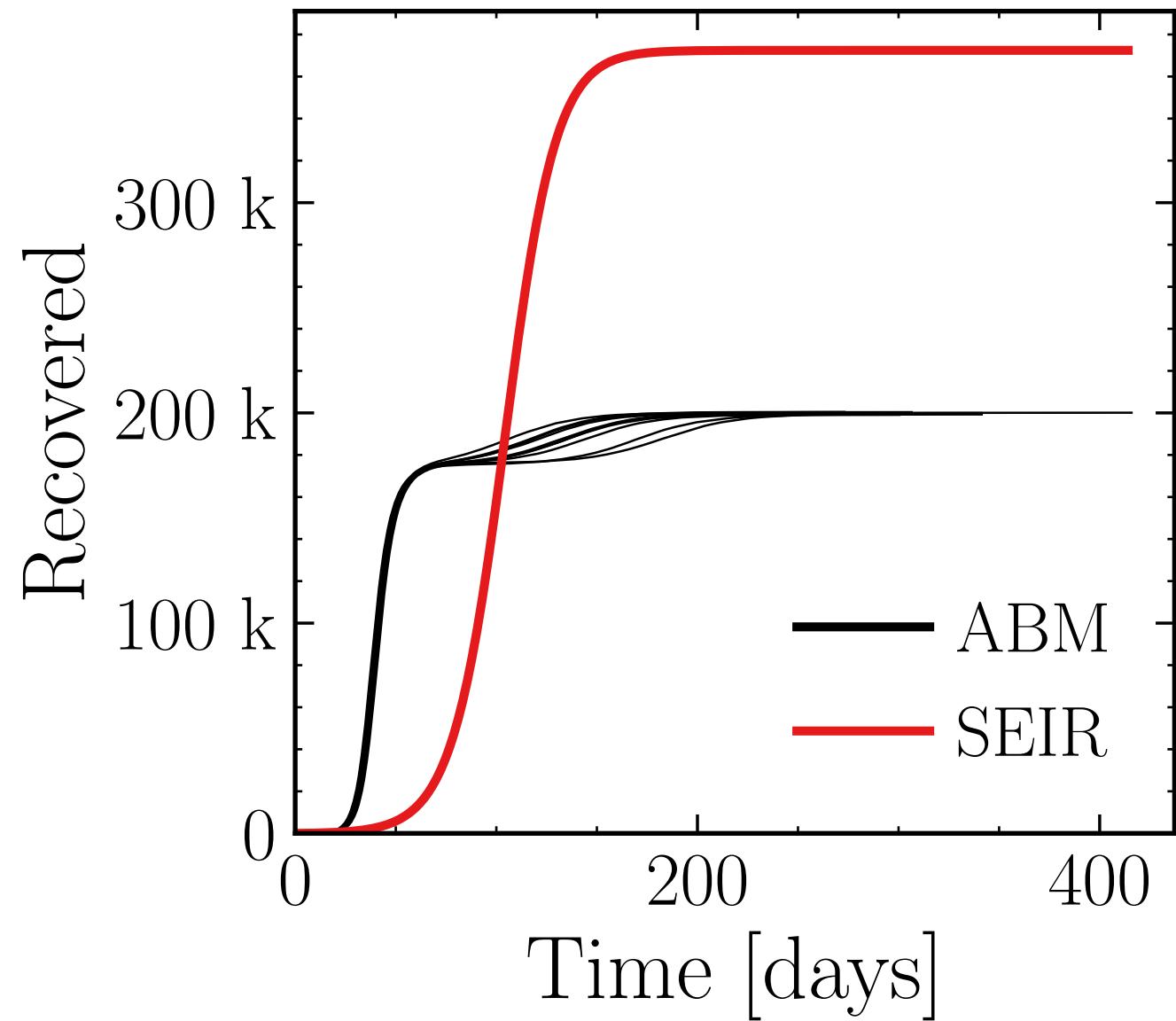
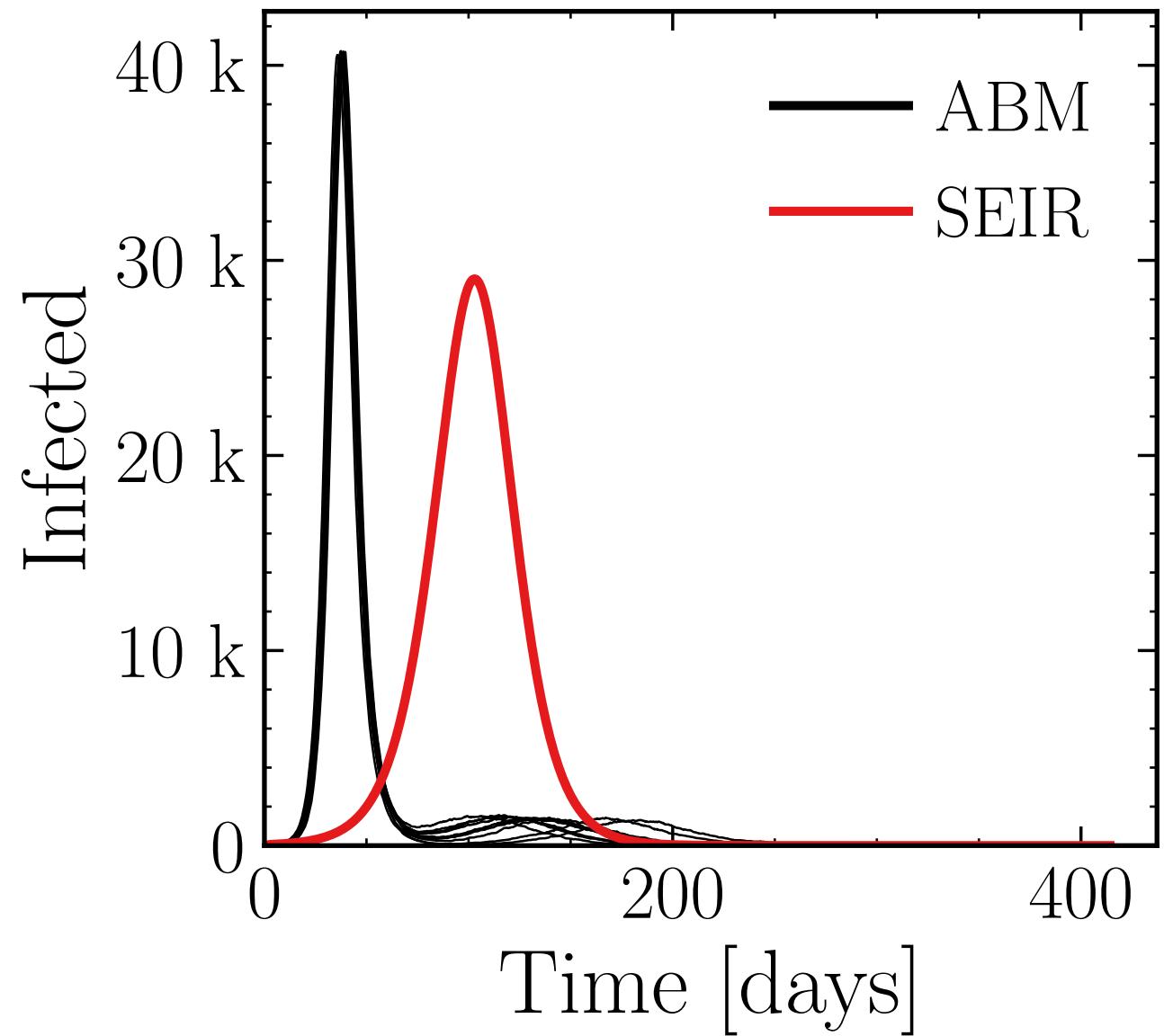
$$R_\infty^{\text{ABM}} = (170 \pm 9.3\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (40.49 \pm 0.16\%) \cdot 10^3$$

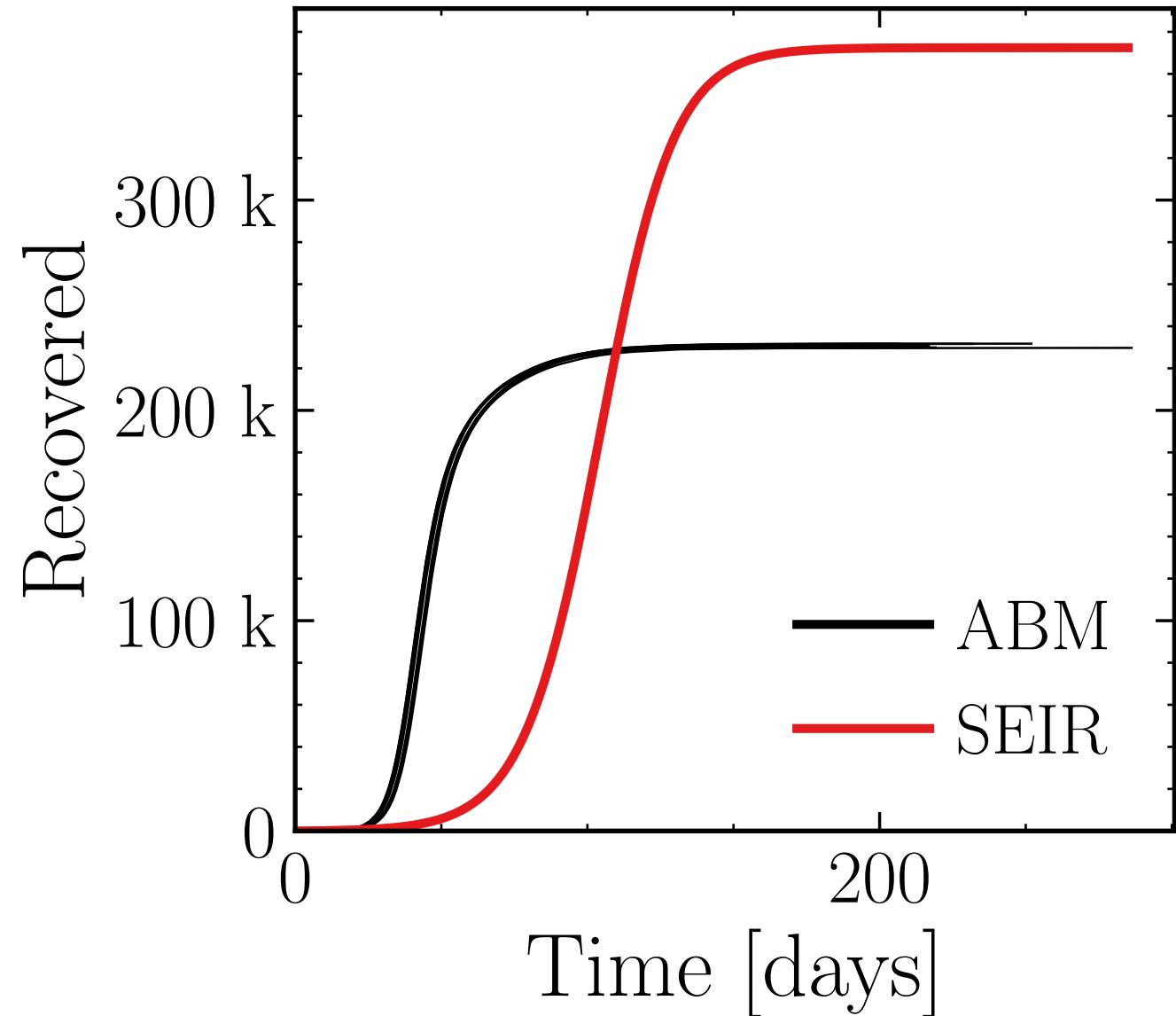
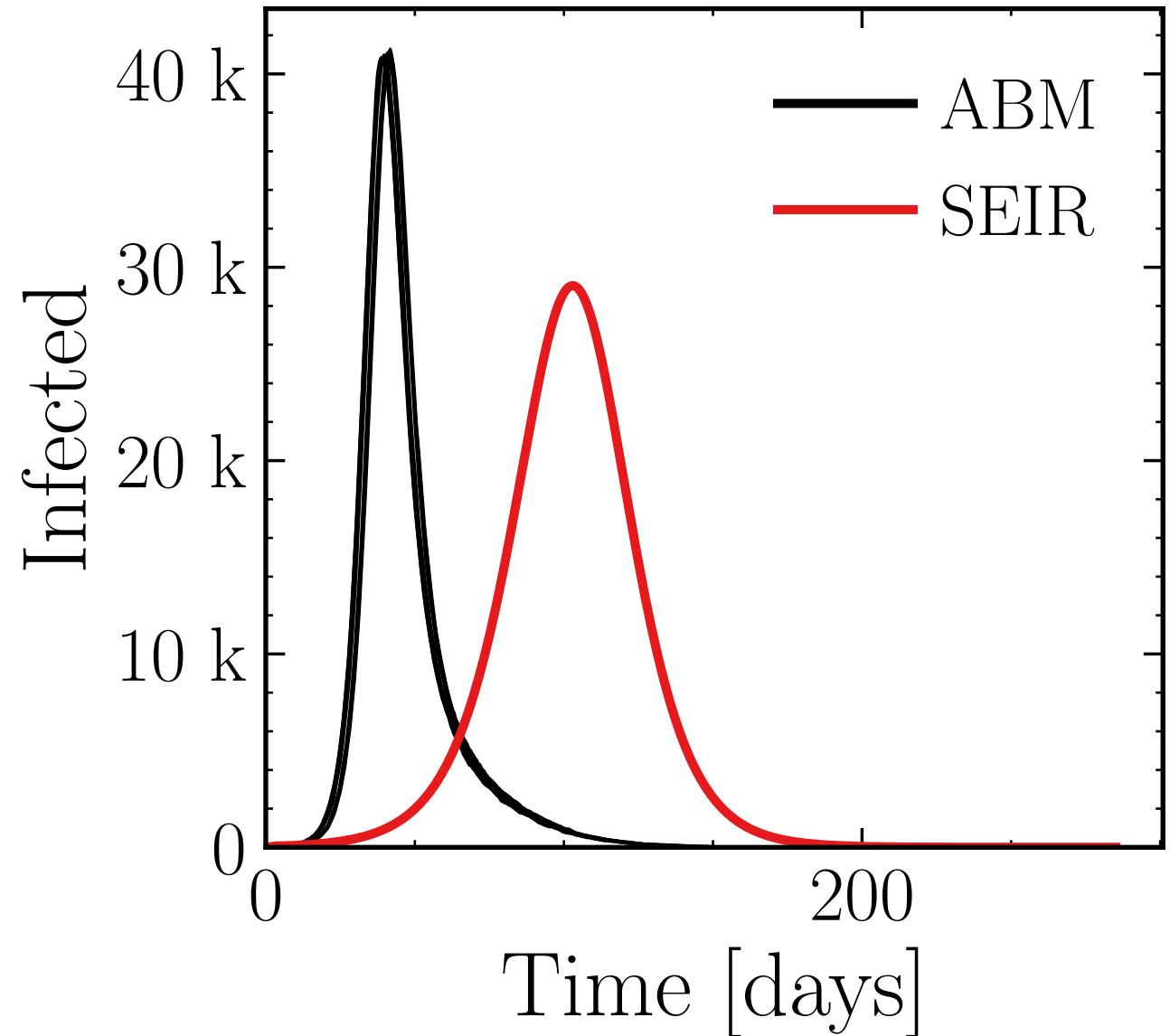
$$R_\infty^{\text{ABM}} = (199.9 \pm 0.07\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.1$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

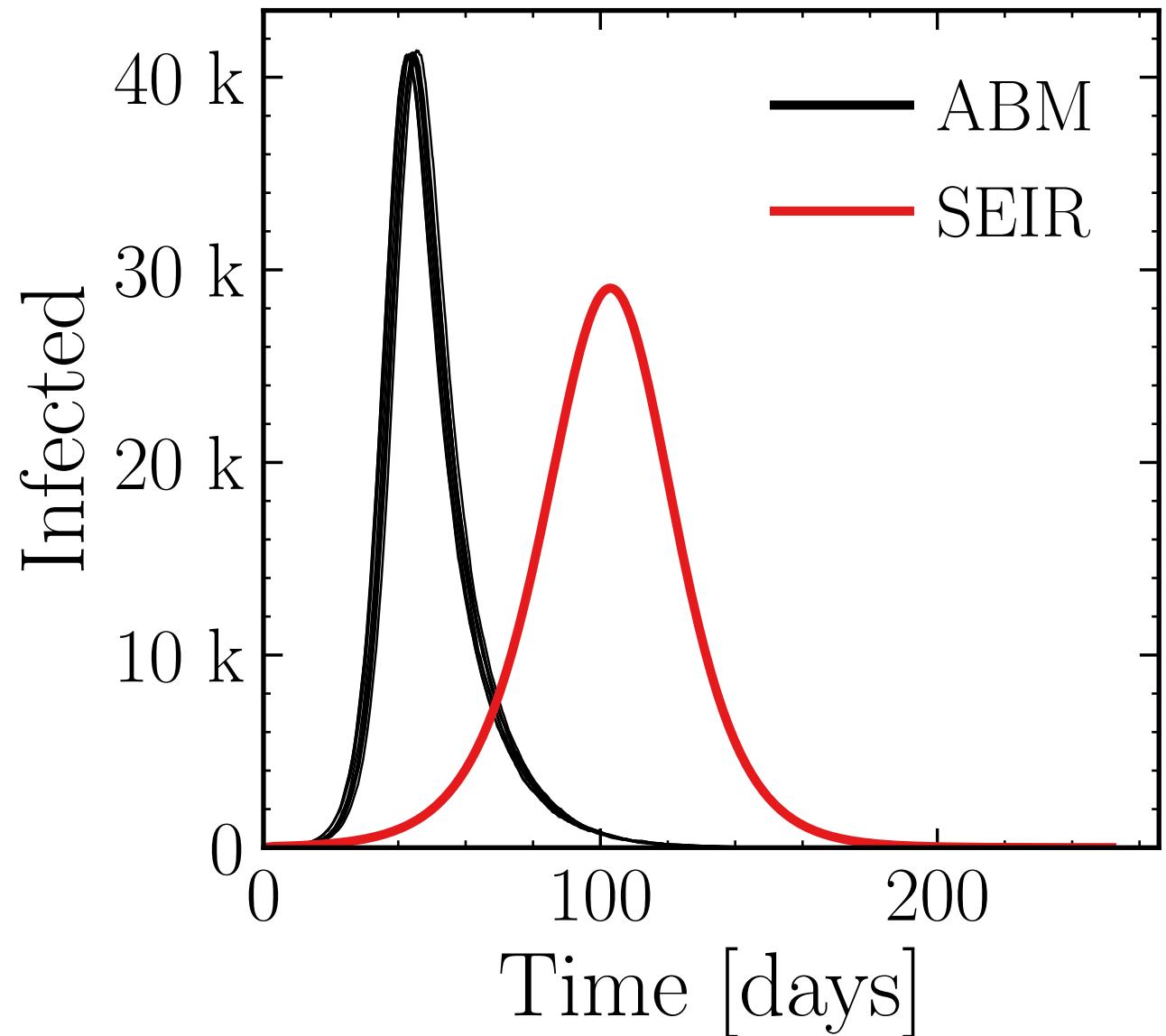
$$I_{\max}^{\text{ABM}} = (40.95 \pm 0.16\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (230.8 \pm 0.094\%) \cdot 10^3$$

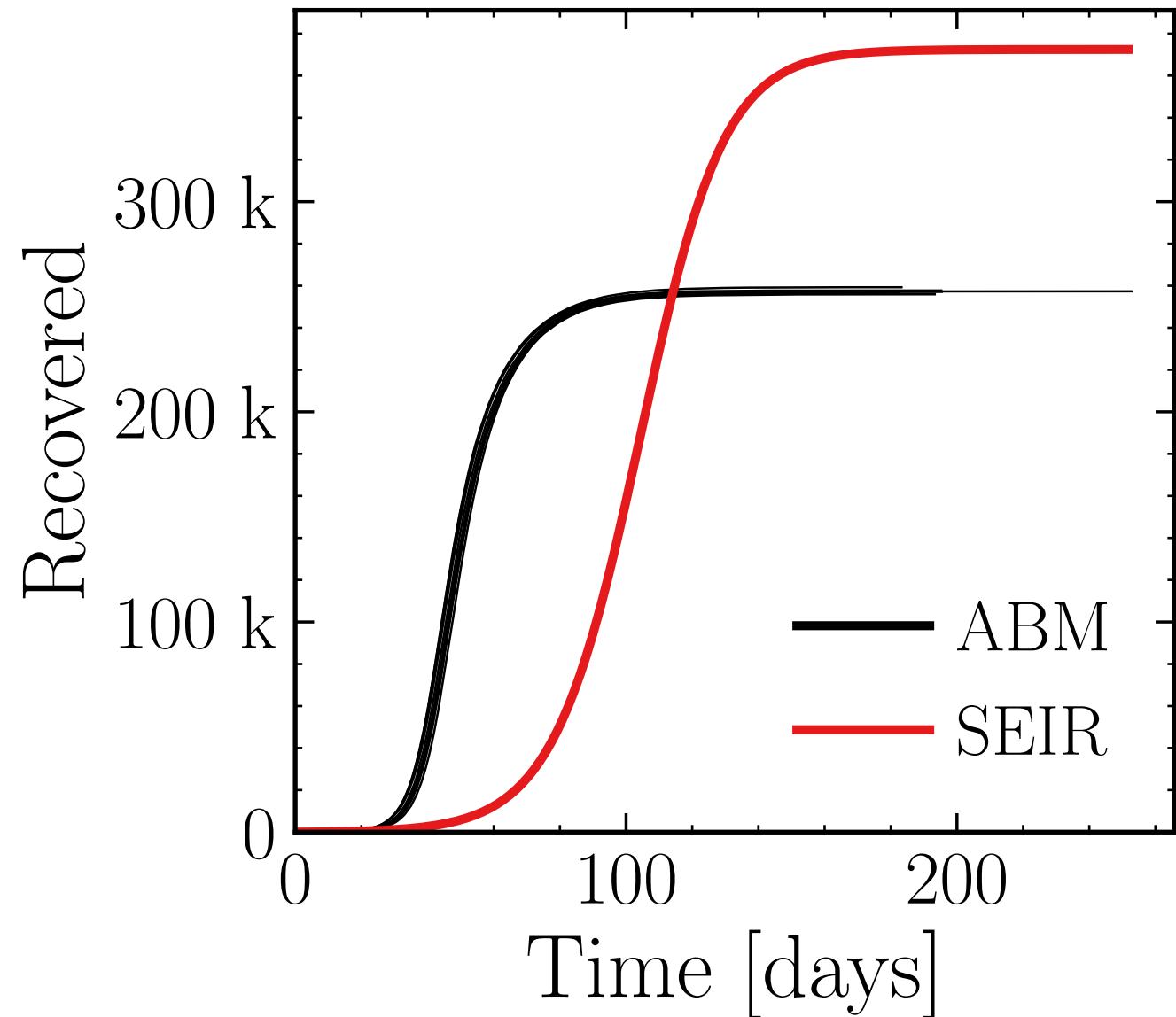


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.2$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.13 \pm 0.13\%) \cdot 10^3$$



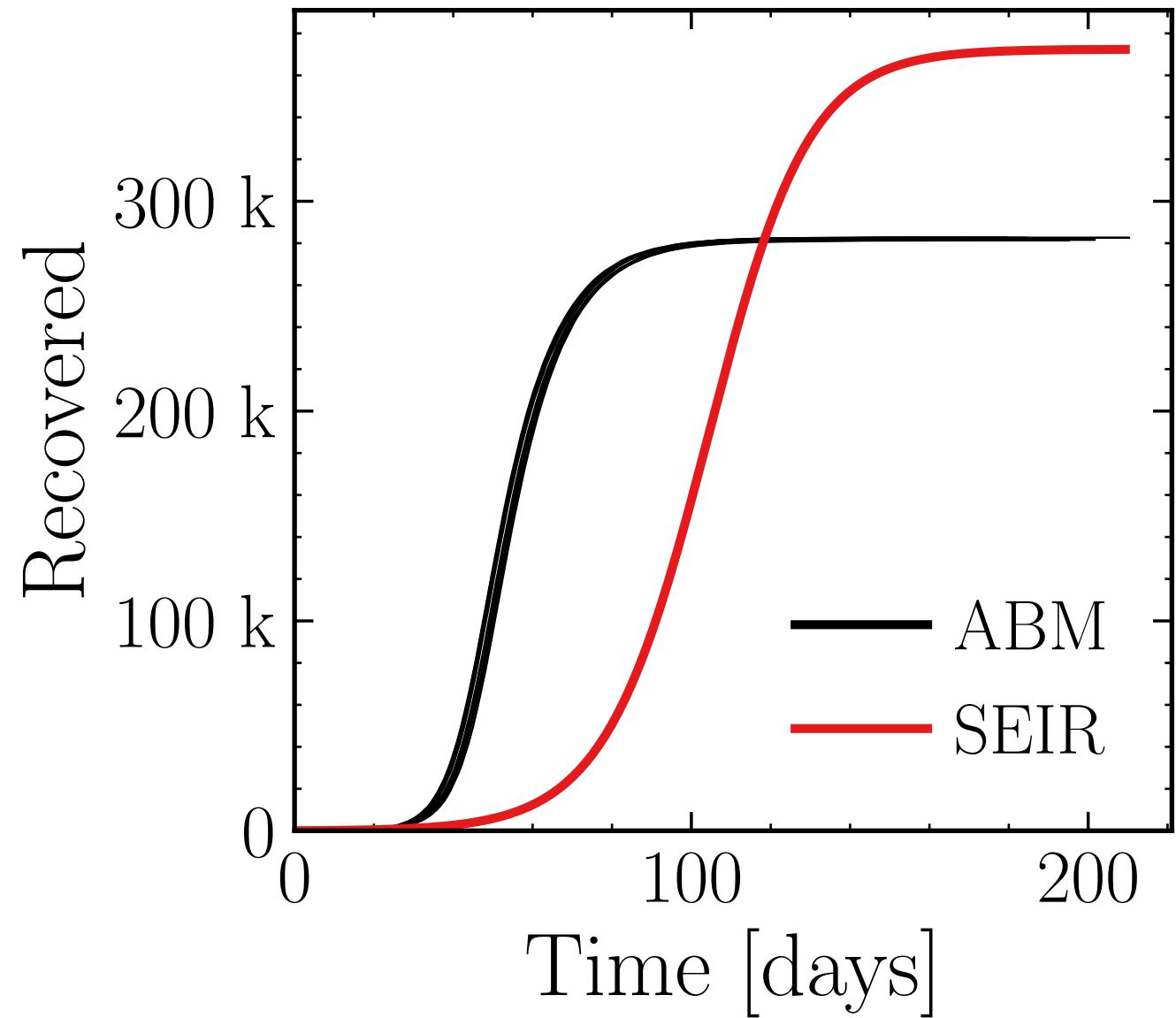
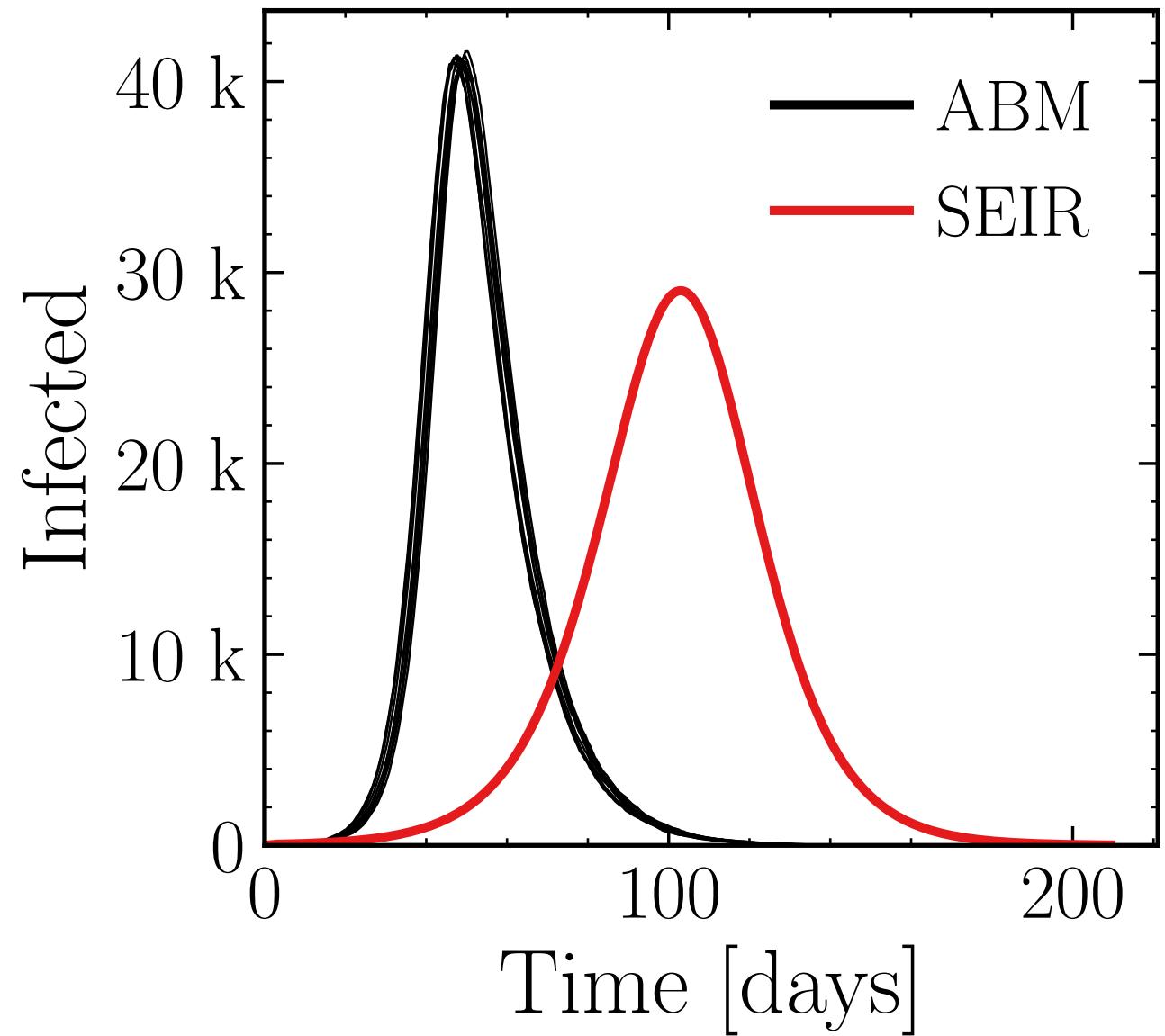
$$R_\infty^{\text{ABM}} = (257.2 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.3$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (41.21 \pm 0.16\%) \cdot 10^3$$

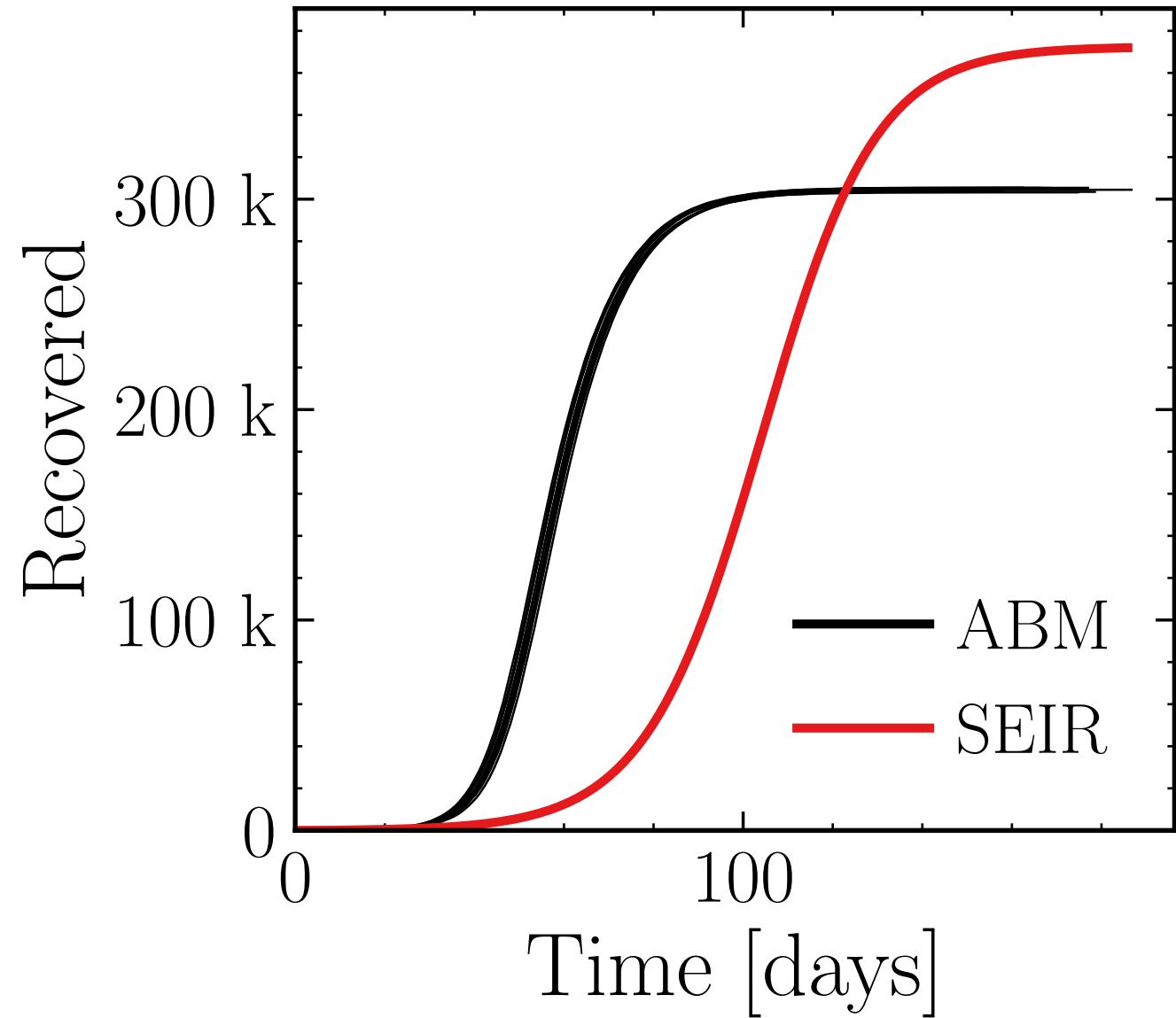
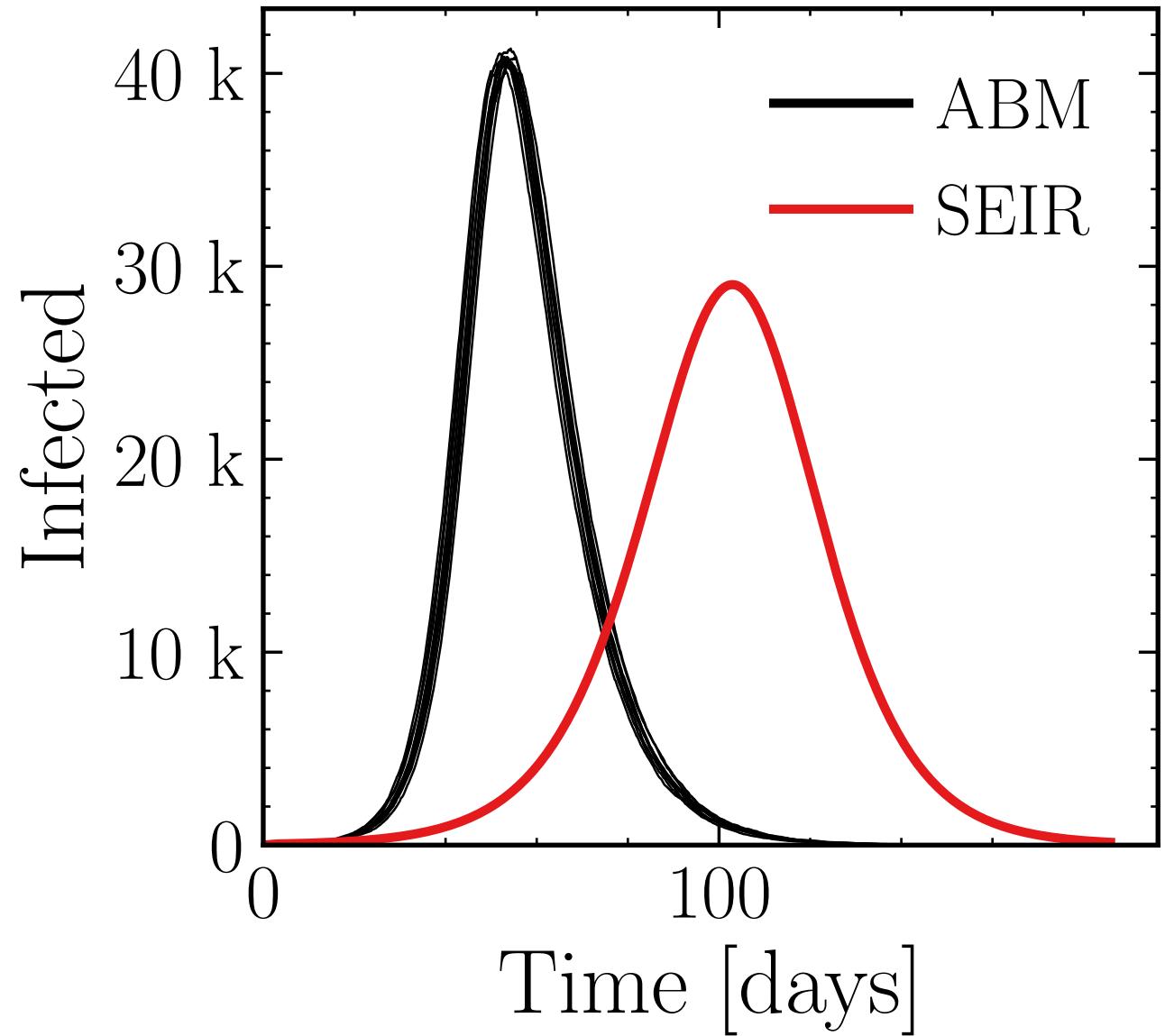
$$R_\infty^{\text{ABM}} = (282.2 \pm 0.058\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.4$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

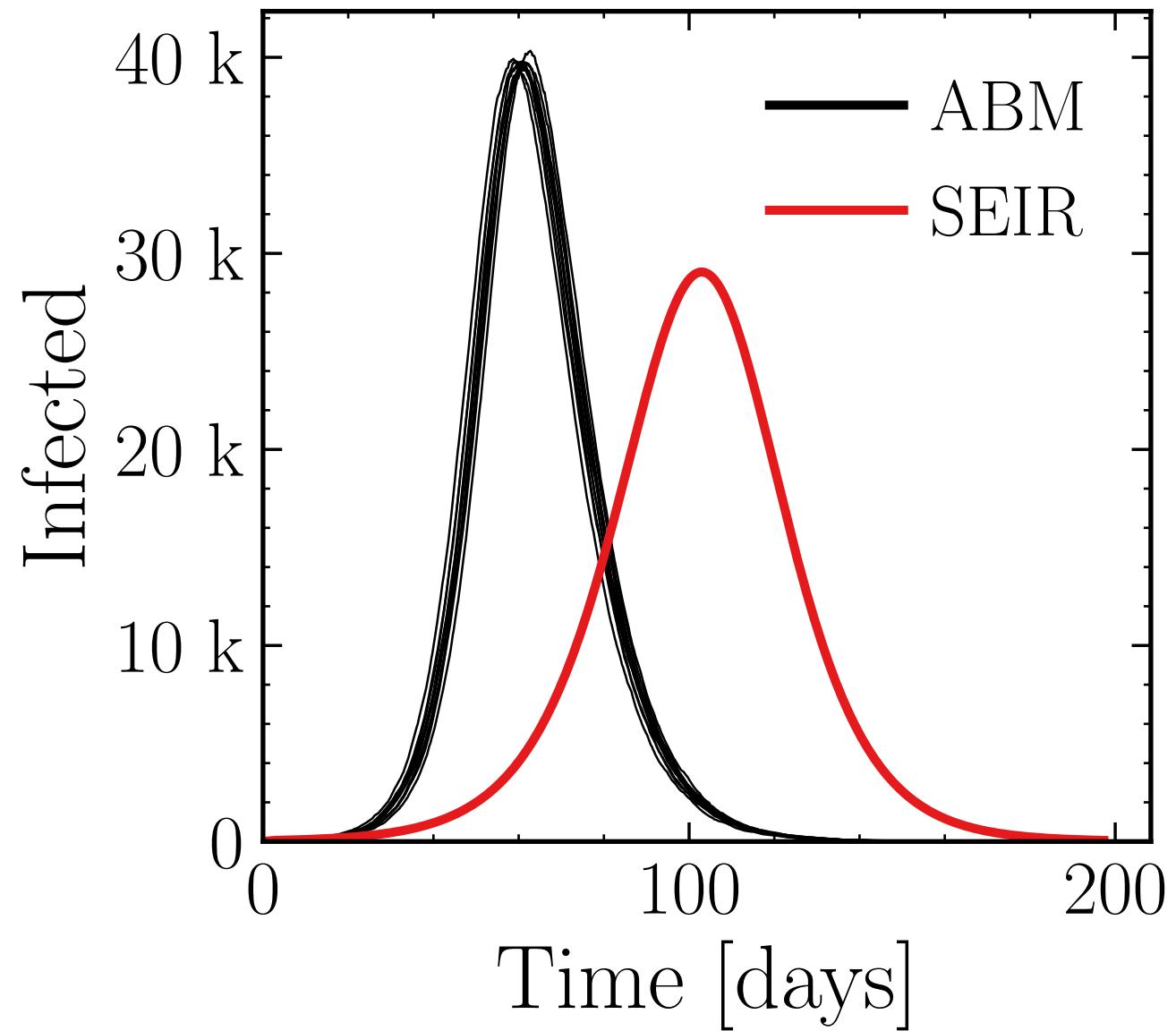
$$I_{\max}^{\text{ABM}} = (40.78 \pm 0.17\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (304.7 \pm 0.085\%) \cdot 10^3$$

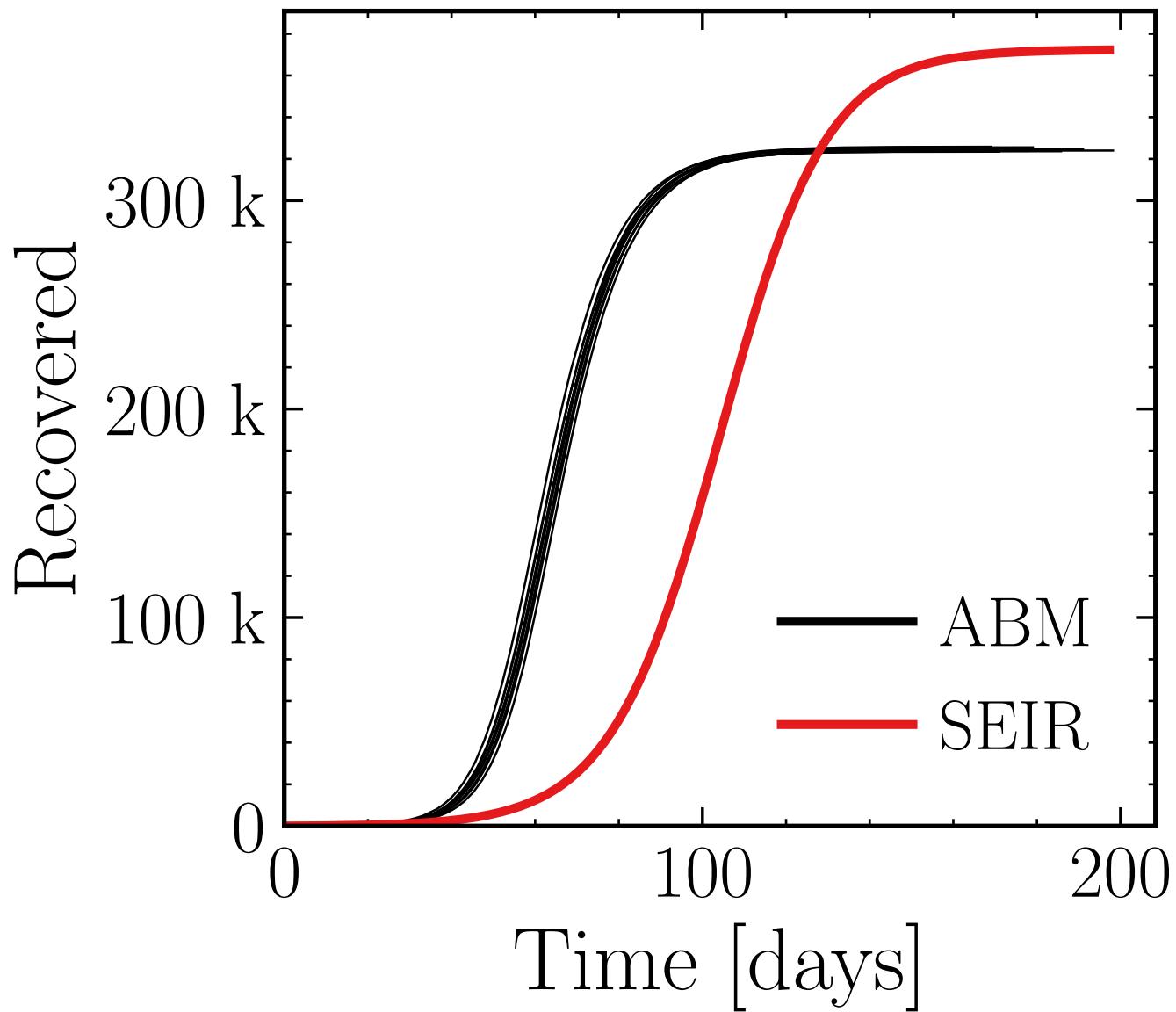


$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.5$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (39.76 \pm 0.18\%) \cdot 10^3$$



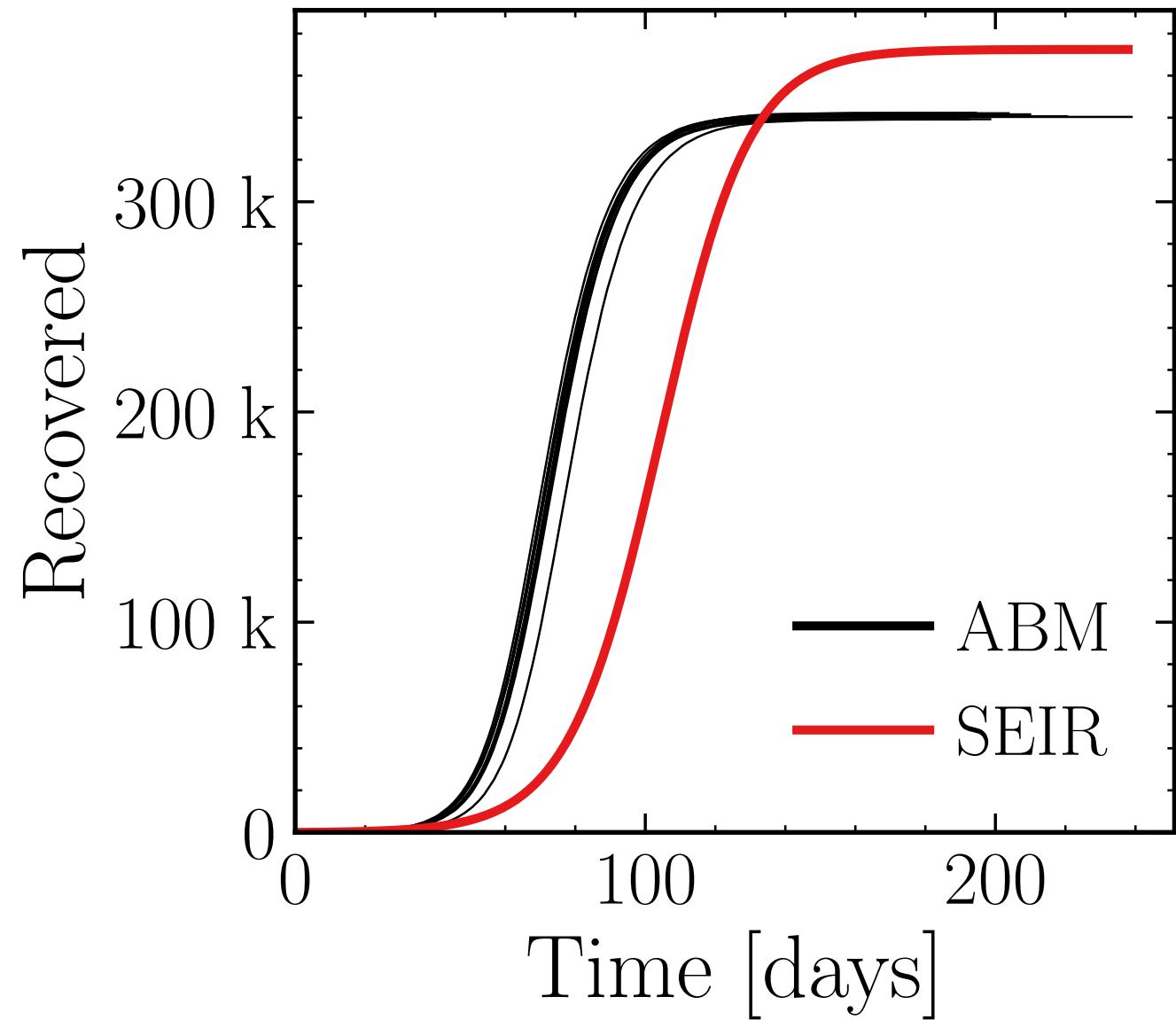
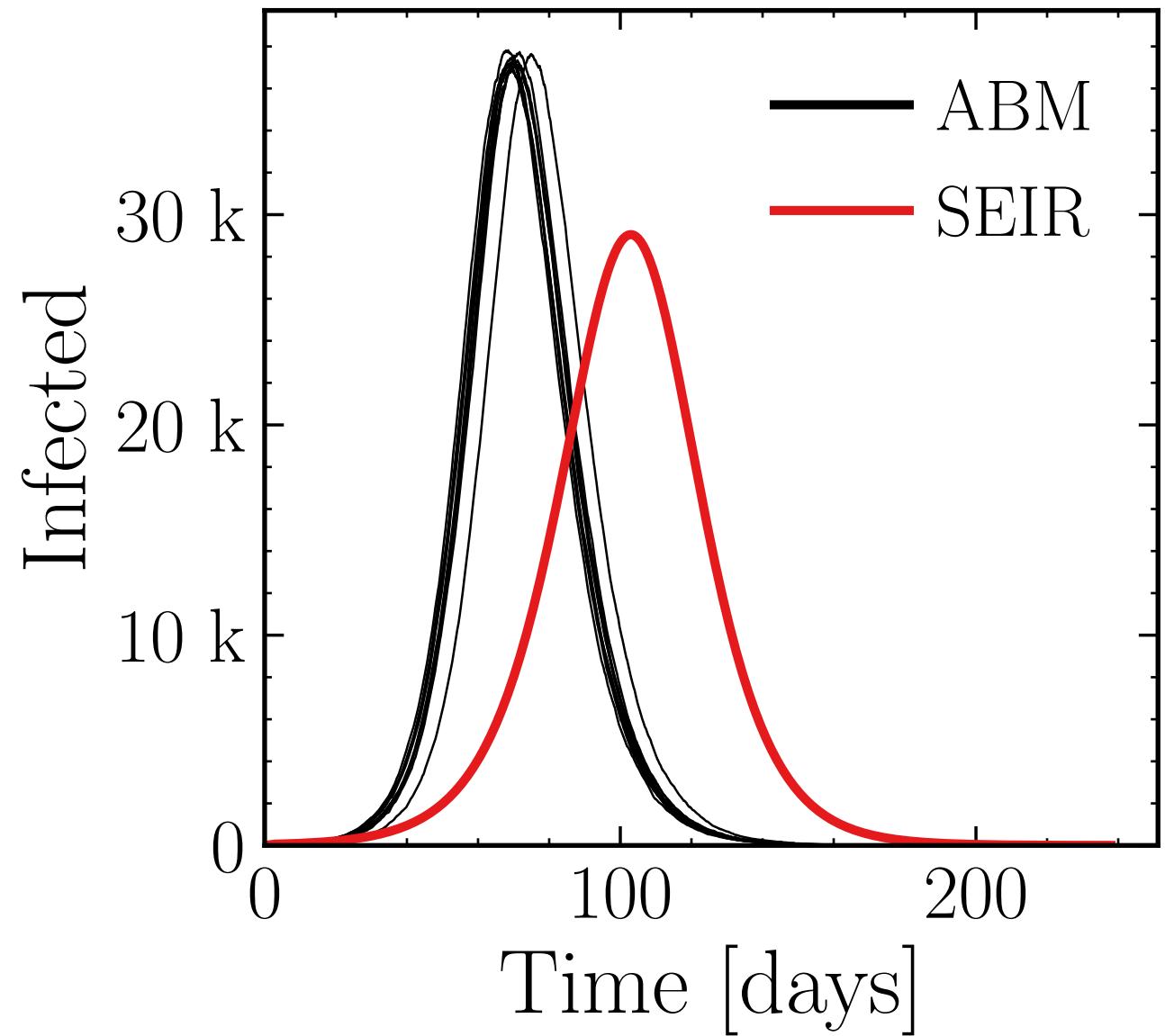
$$R_\infty^{\text{ABM}} = (324.6 \pm 0.078\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.6$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (37.35 \pm 0.24\%) \cdot 10^3$$

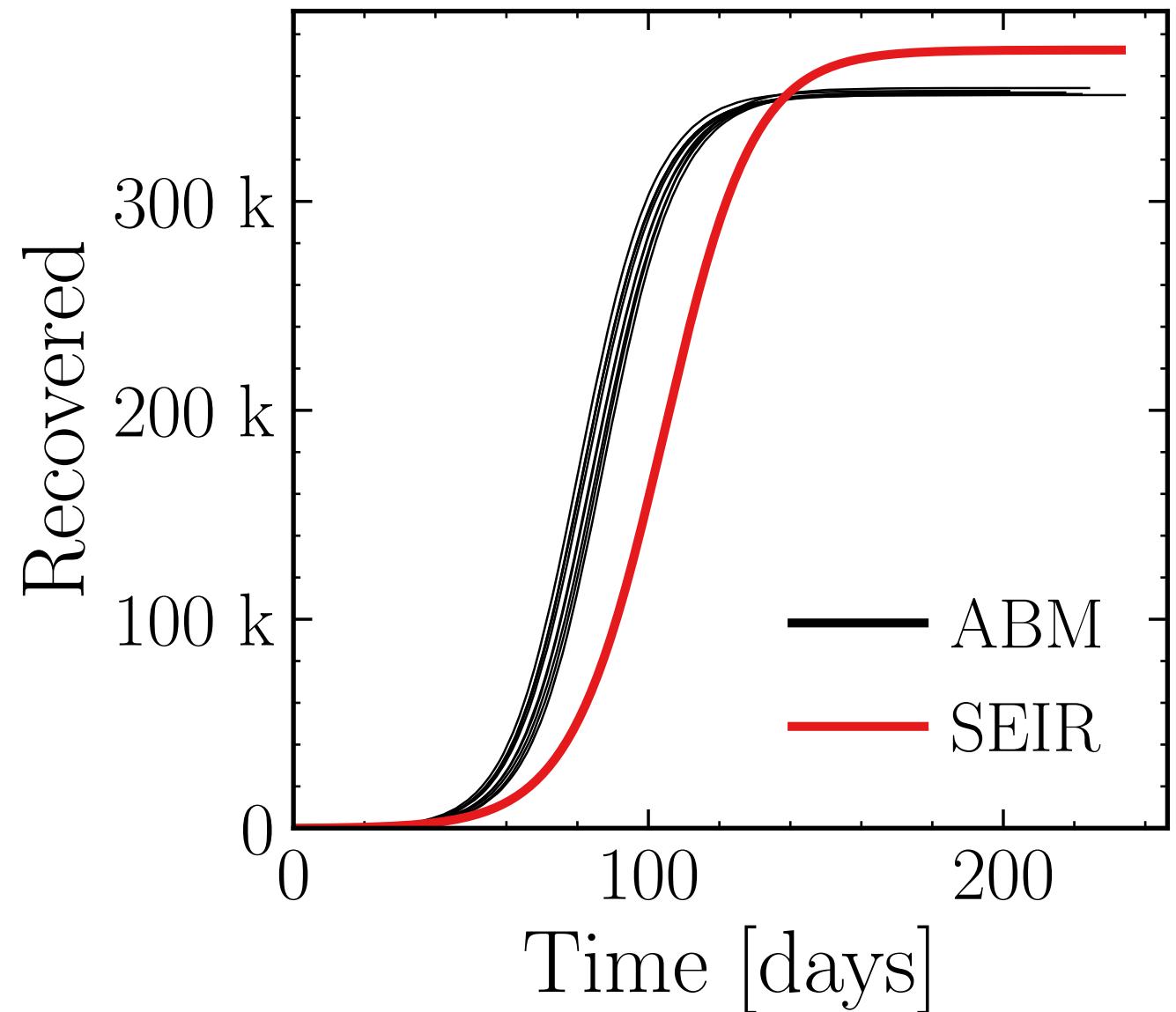
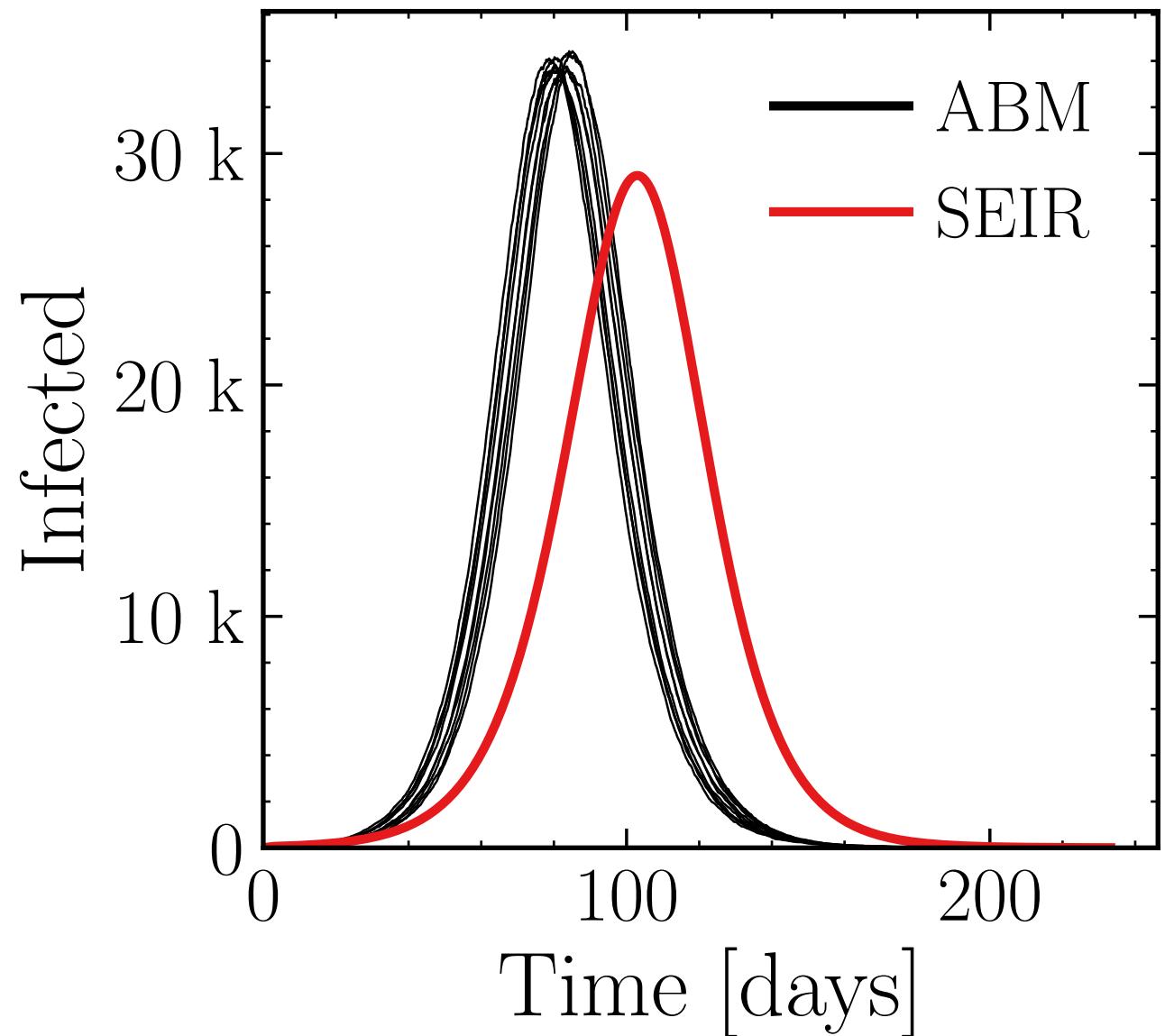
$$R_\infty^{\text{ABM}} = (340.5 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.7$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (33.93 \pm 0.26\%) \cdot 10^3$$

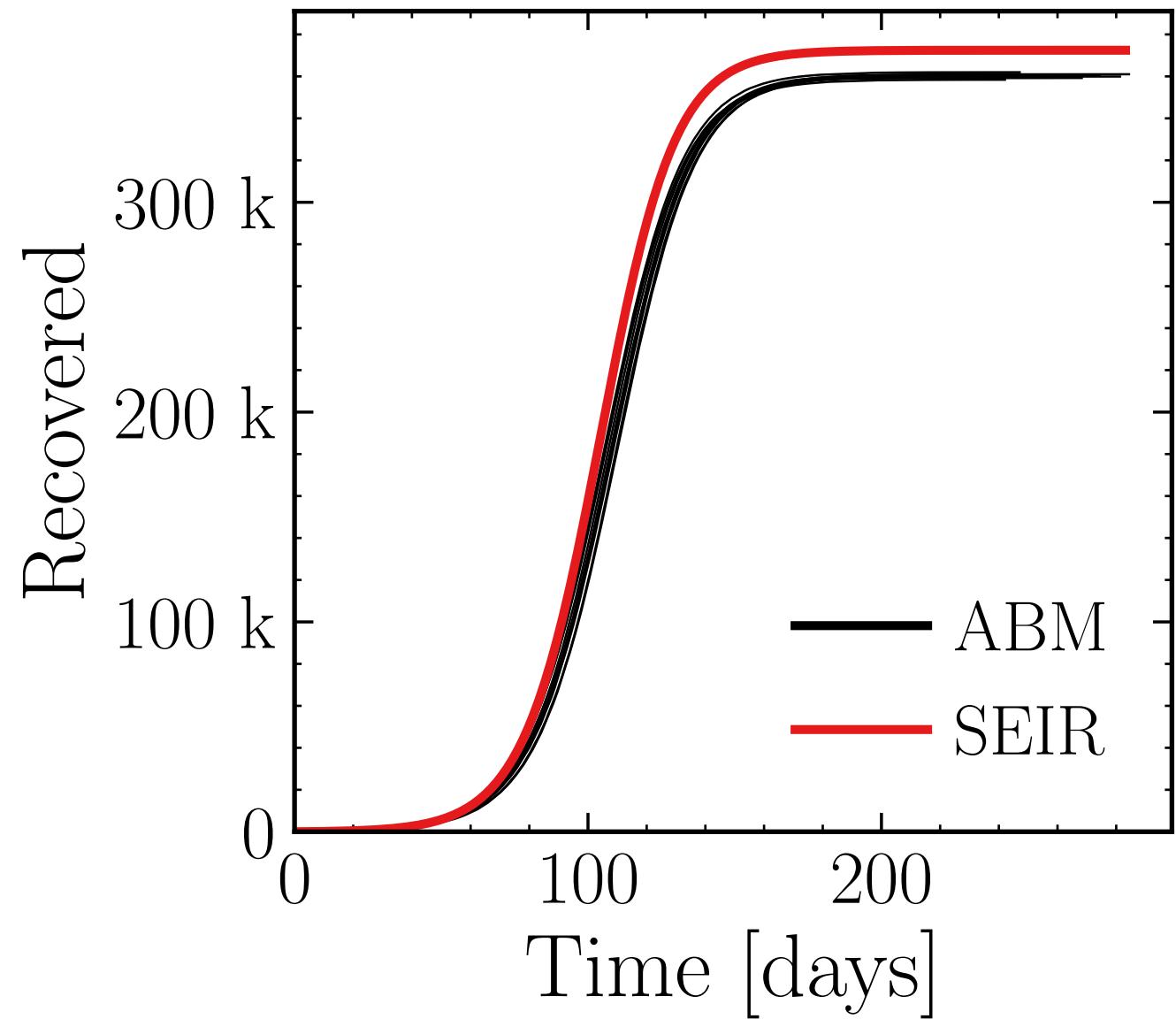
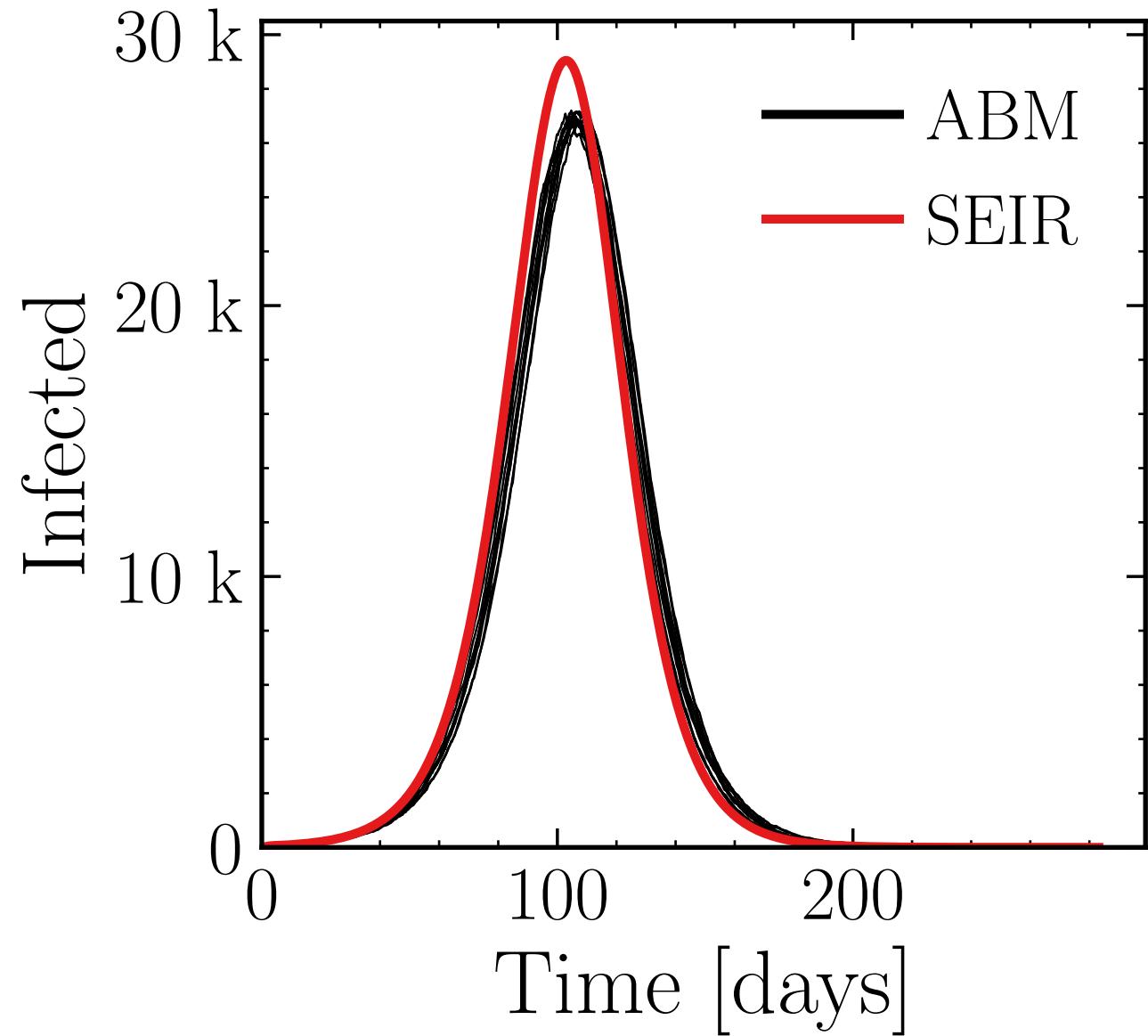
$$R_\infty^{\text{ABM}} = (351.9 \pm 0.089\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.95$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.94 \pm 0.19\%) \cdot 10^3$$

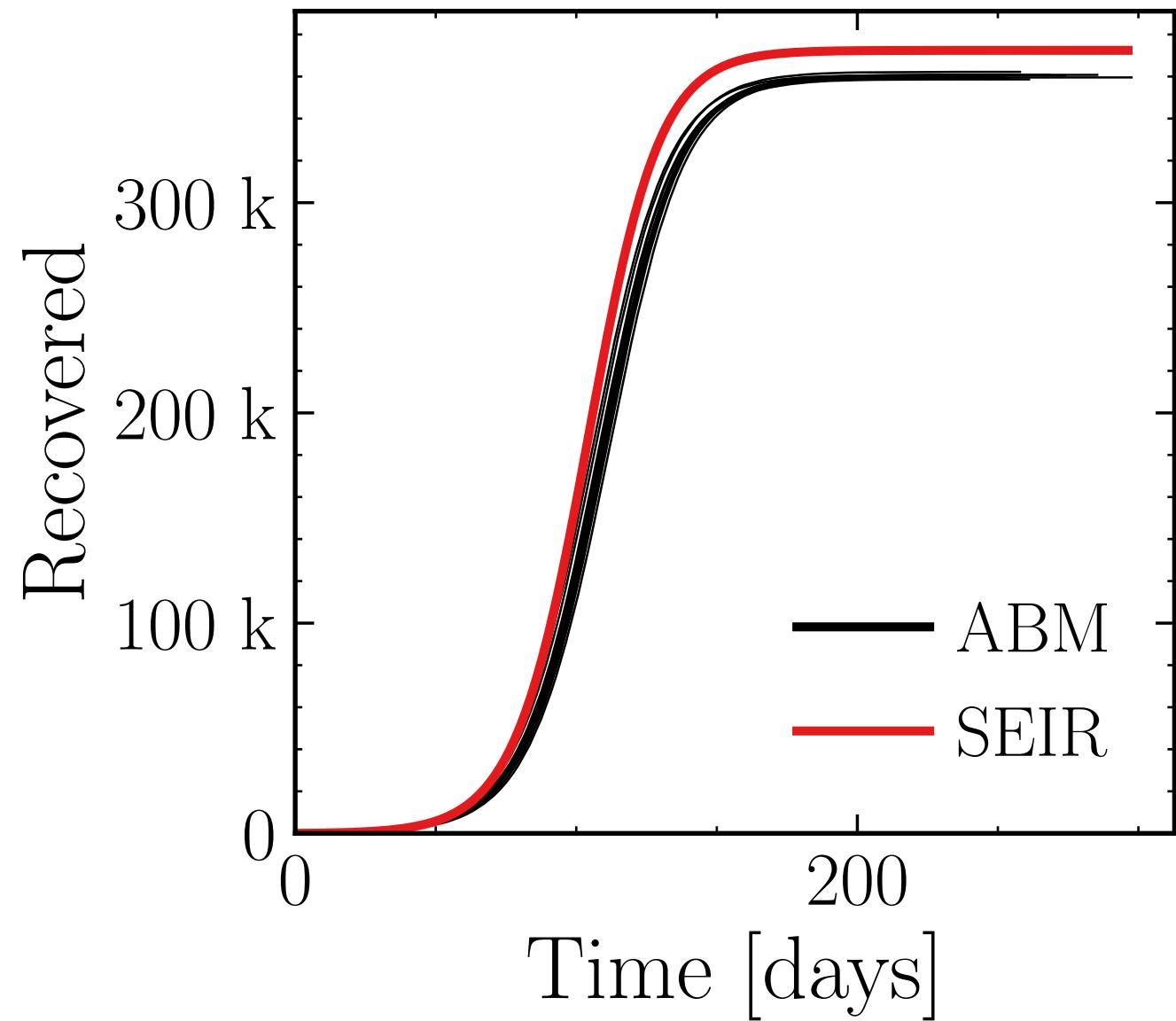
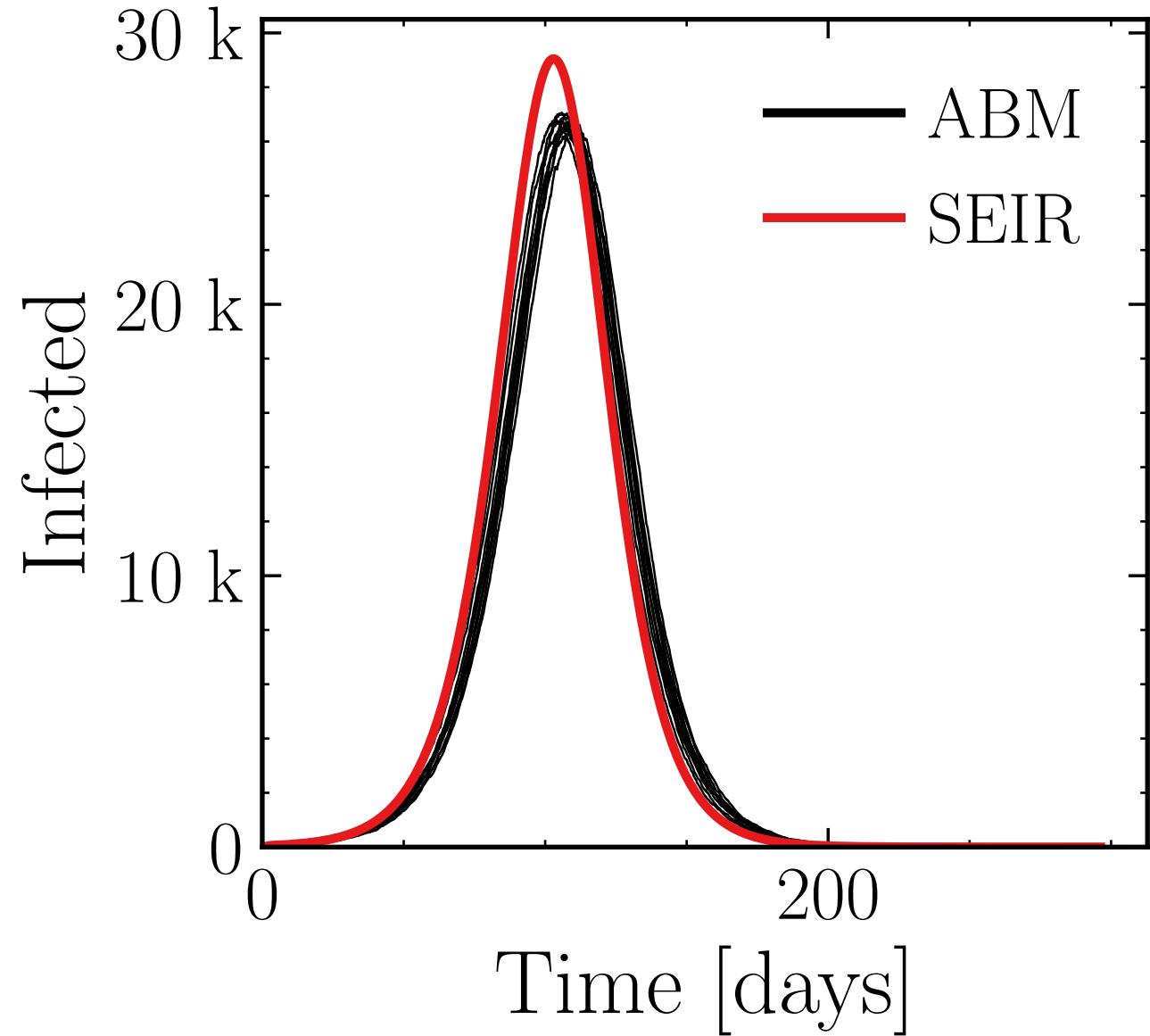
$$R_\infty^{\text{ABM}} = (360.3 \pm 0.082\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.99$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.74 \pm 0.23\%) \cdot 10^3$$

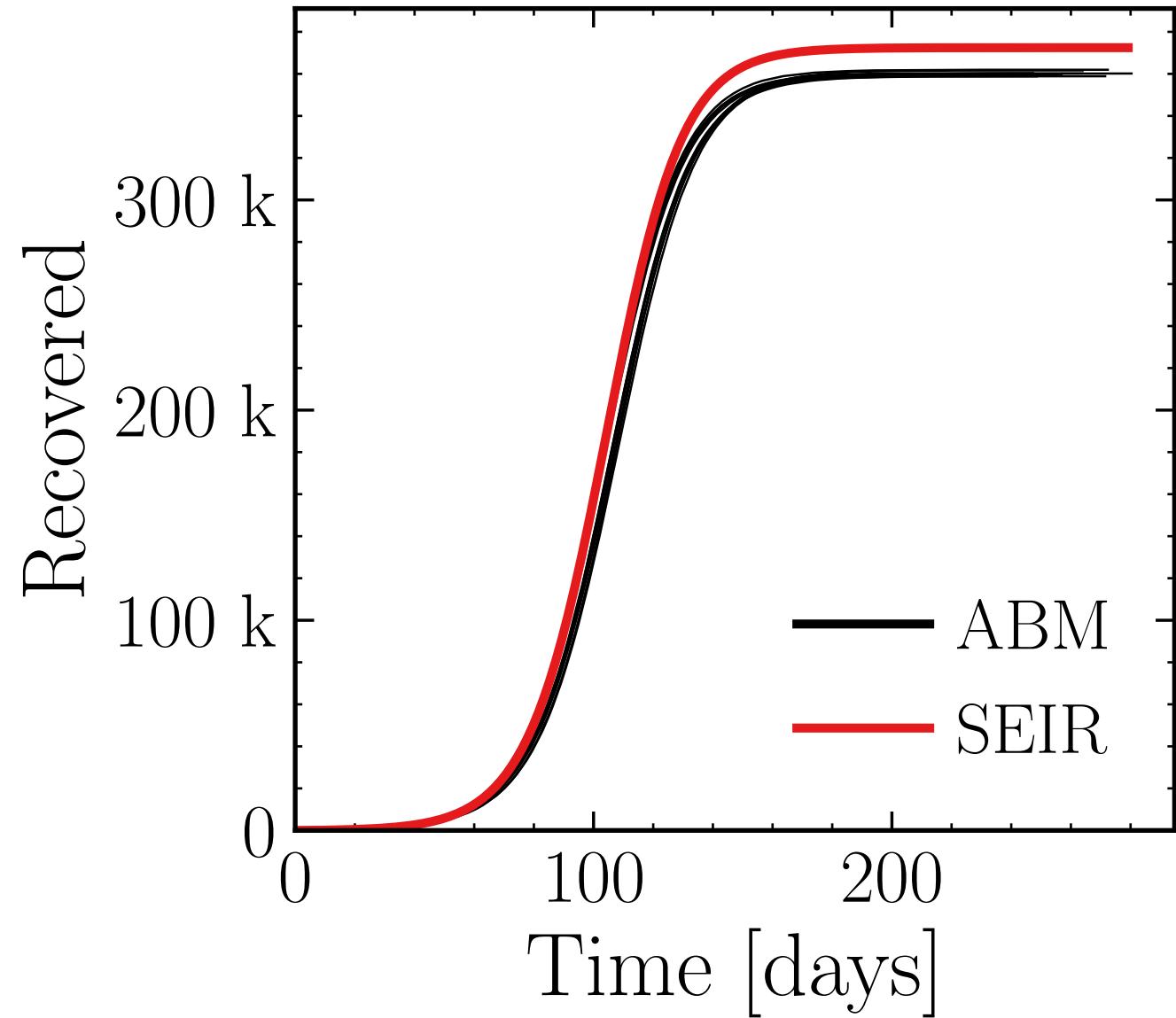
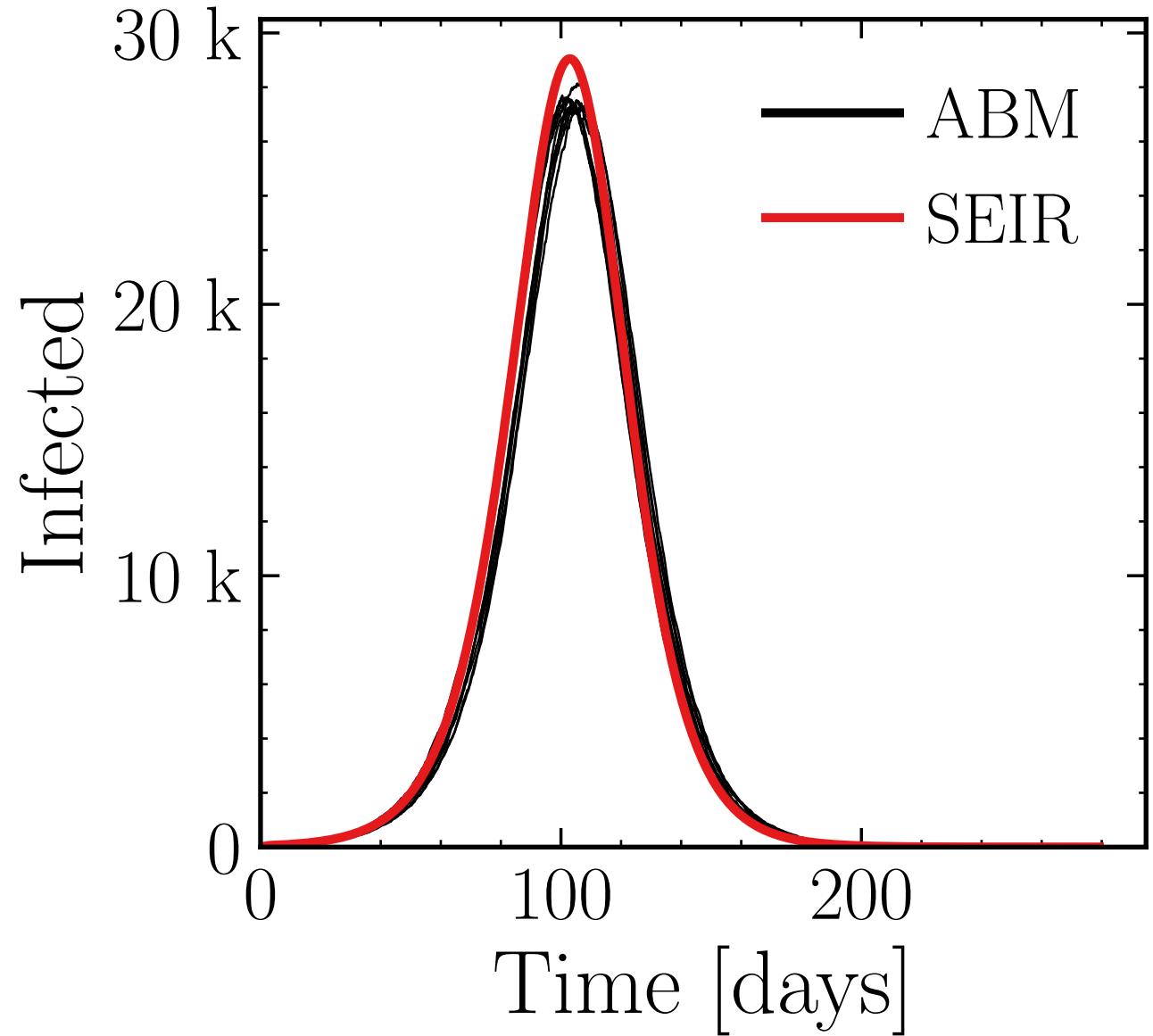
$$R_\infty^{\text{ABM}} = (360.2 \pm 0.087\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 0.9$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (27.56 \pm 0.27\%) \cdot 10^3$$

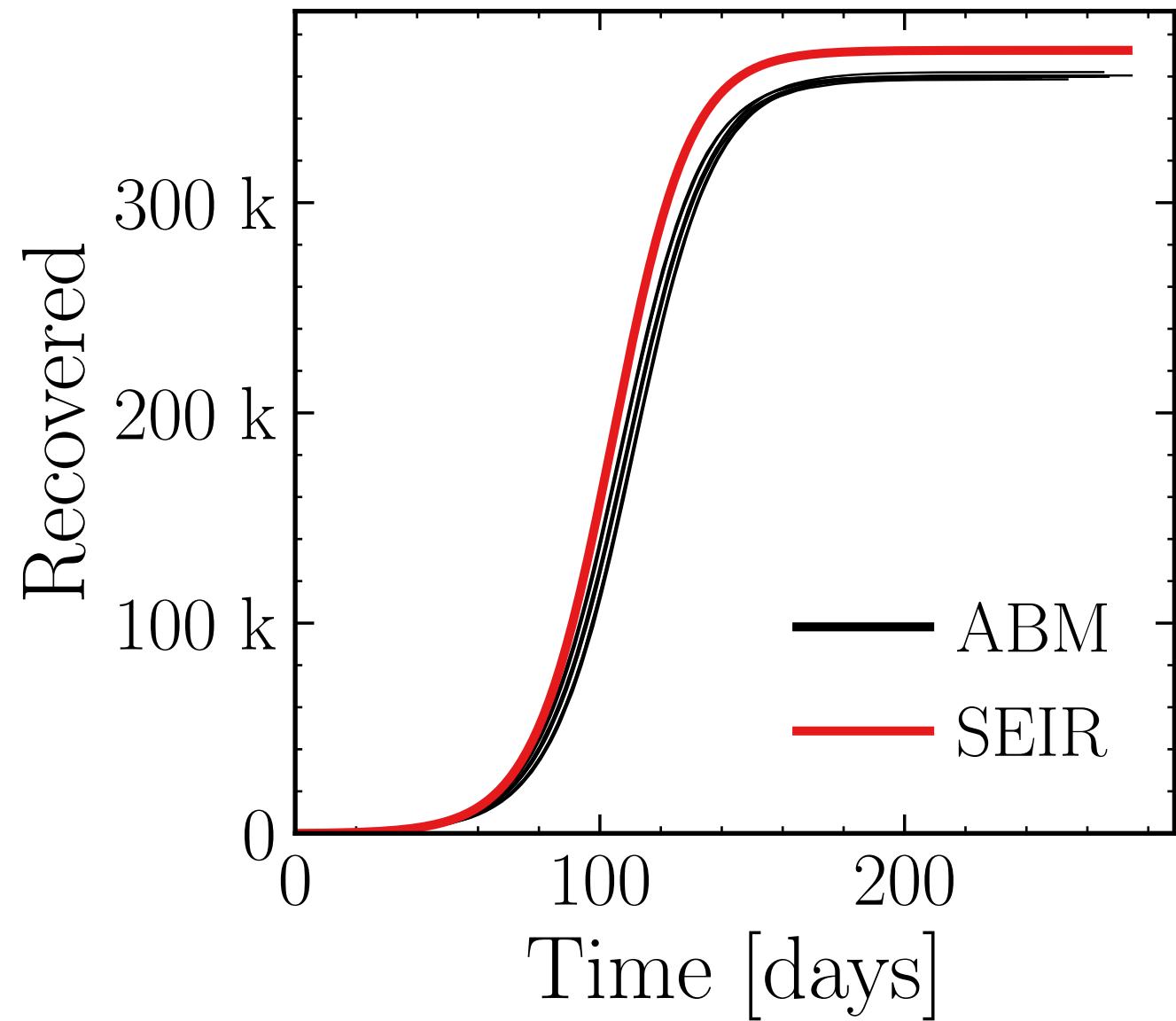
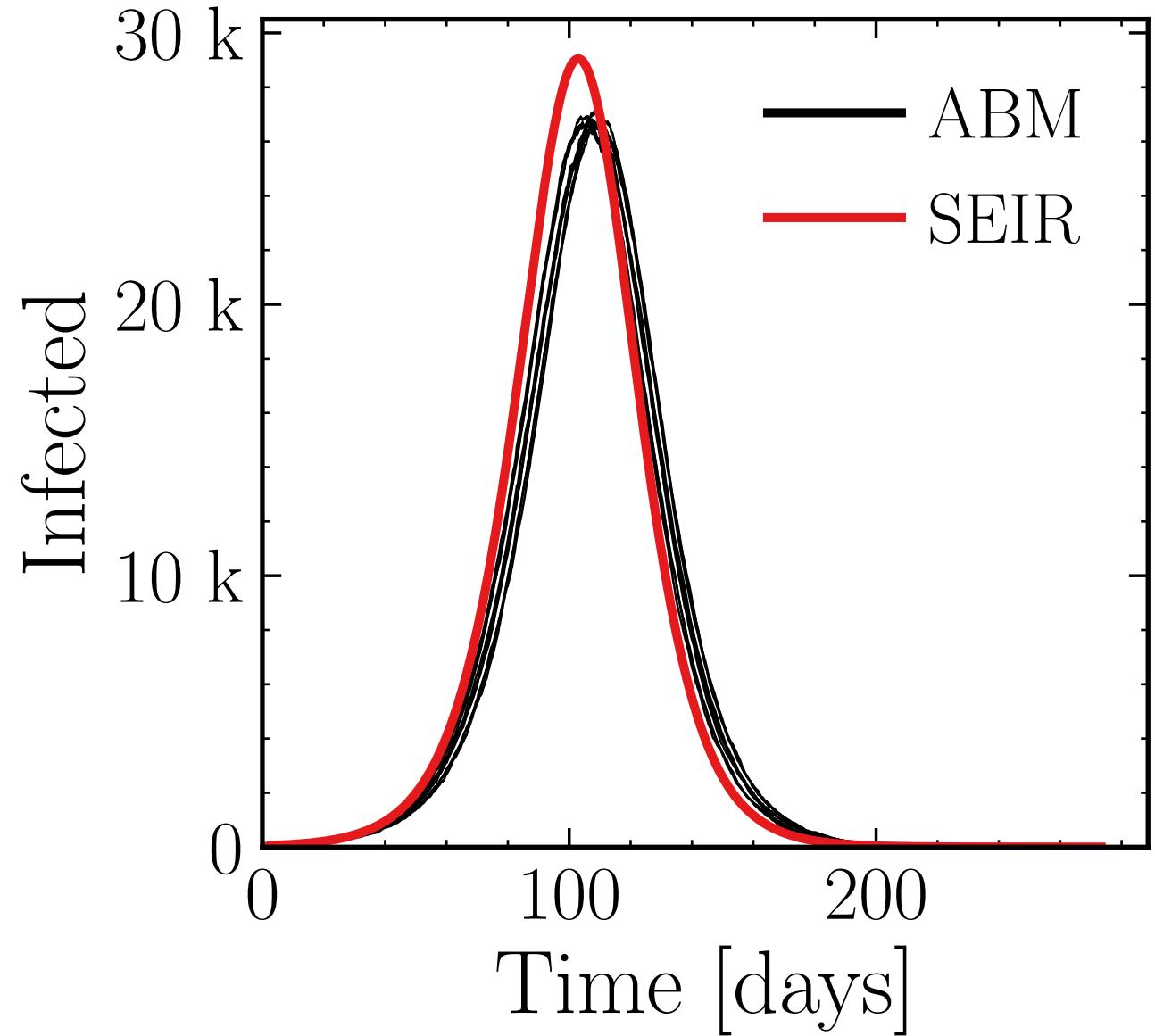
$$R_\infty^{\text{ABM}} = (360.2 \pm 0.085\%) \cdot 10^3$$



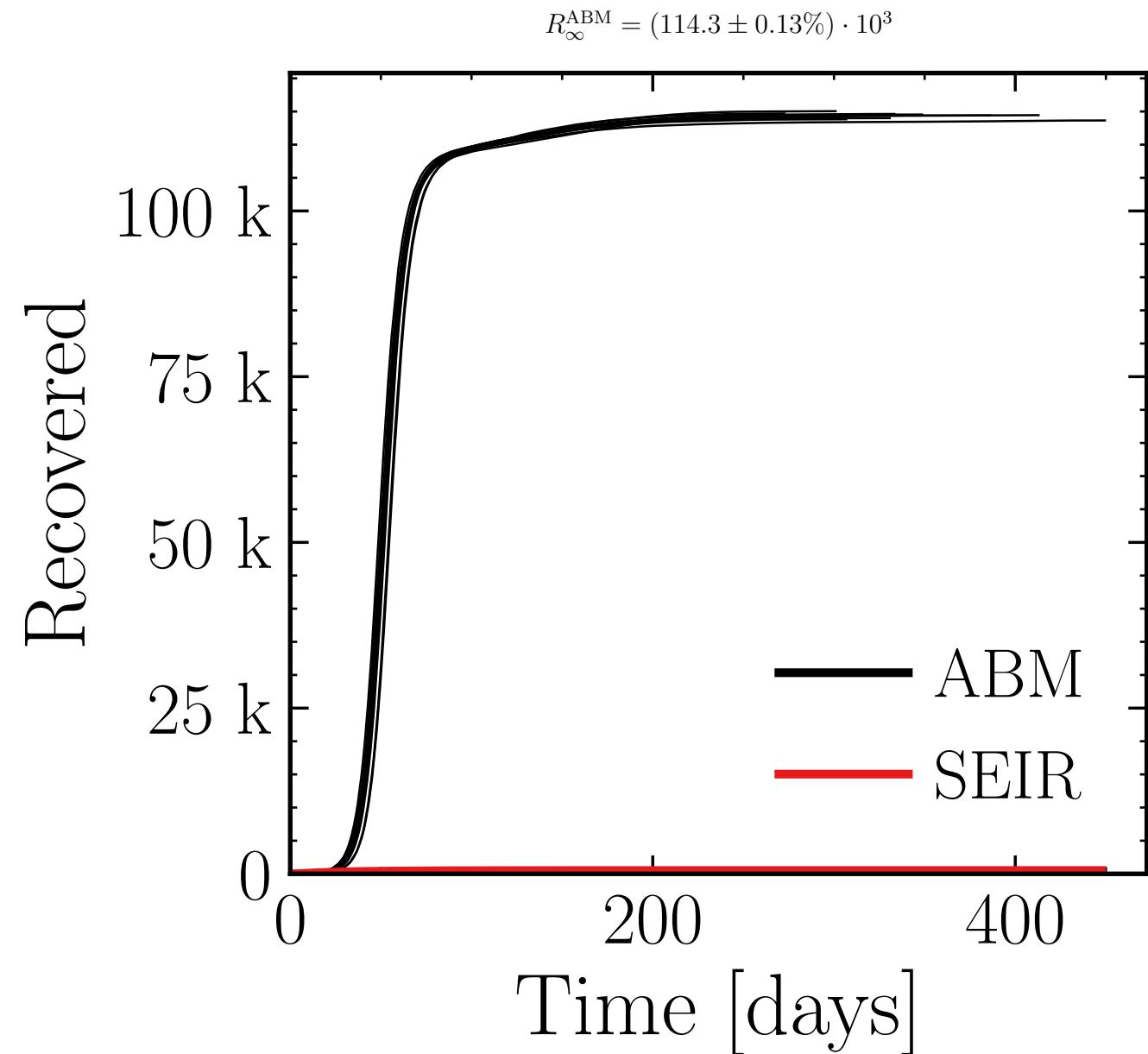
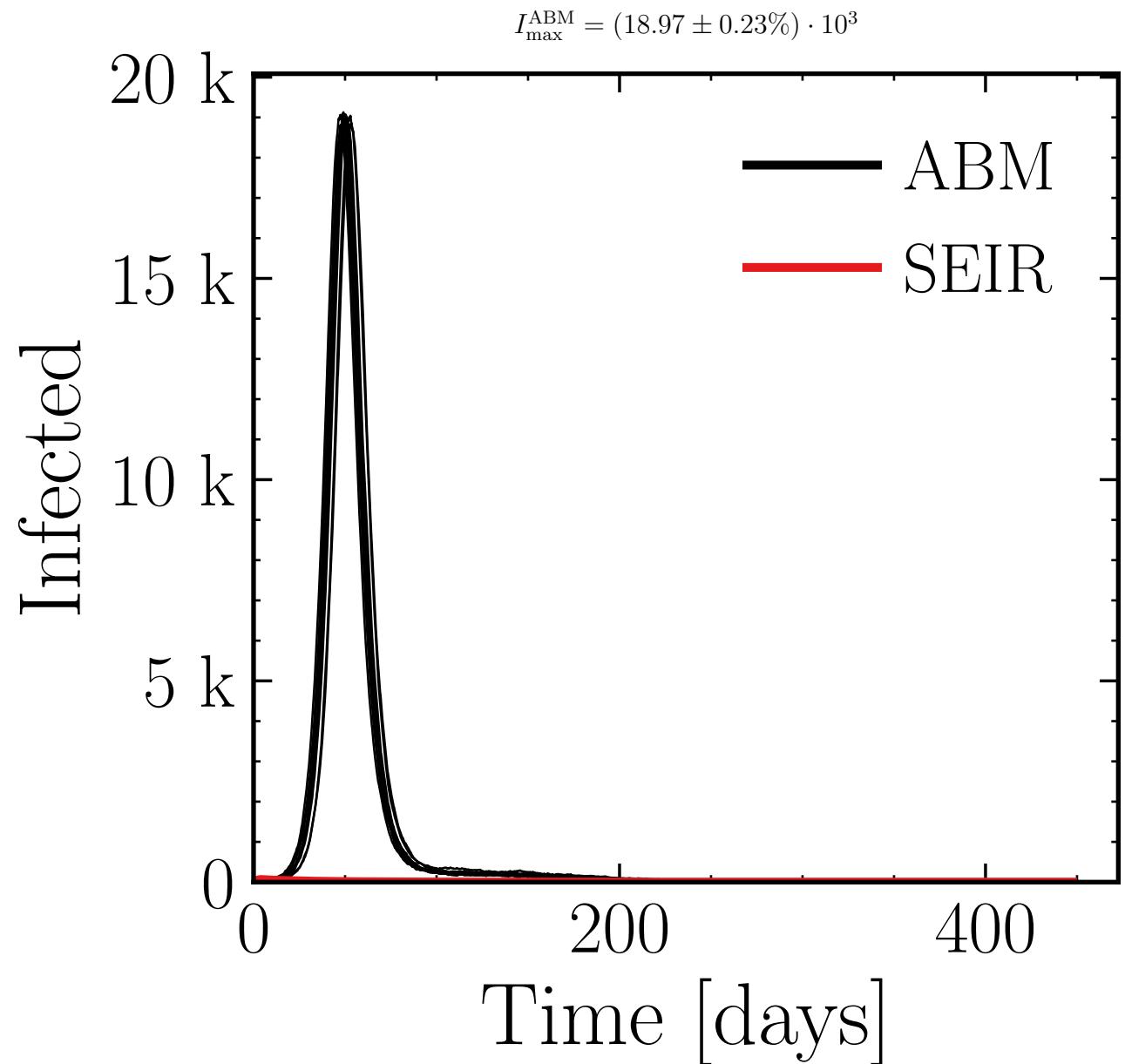
$N_{\text{tot}} = 580K$, $\rho = 0.1$, $\epsilon_\rho = 1.0$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (26.75 \pm 0.2\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (360.1 \pm 0.076\%) \cdot 10^3$$



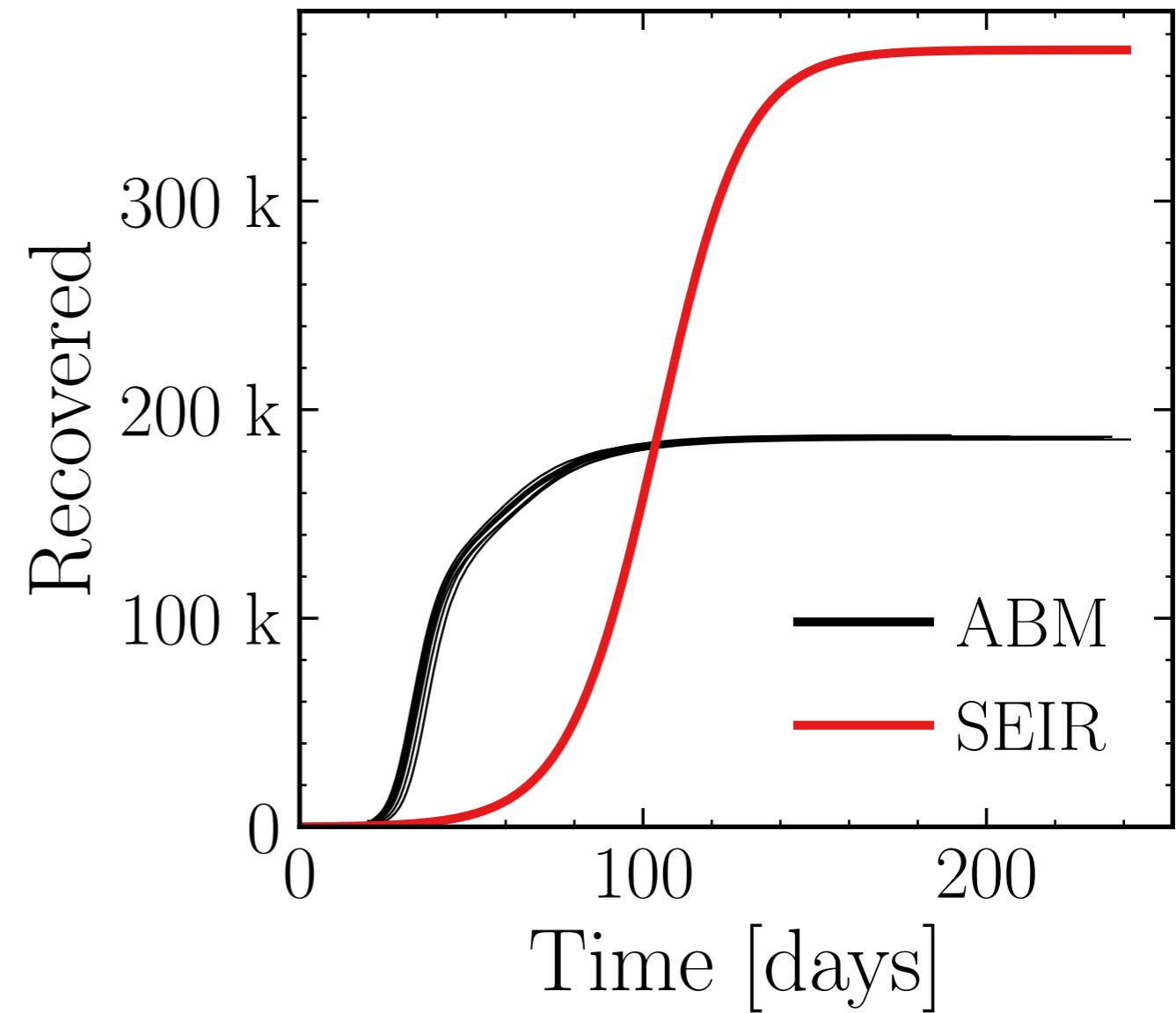
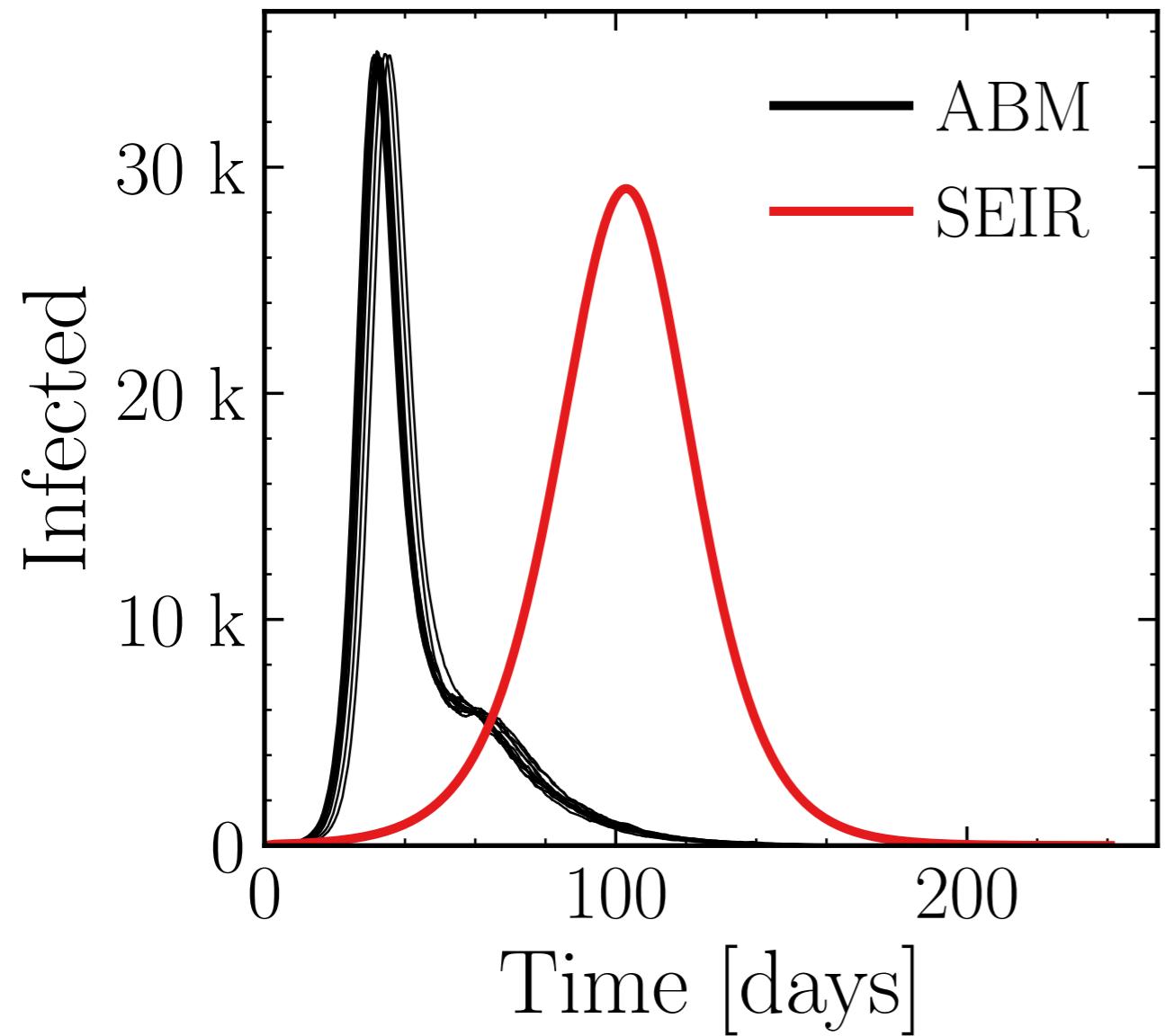
$N_{\text{tot}} = 580K$, $\rho = 0.25$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10



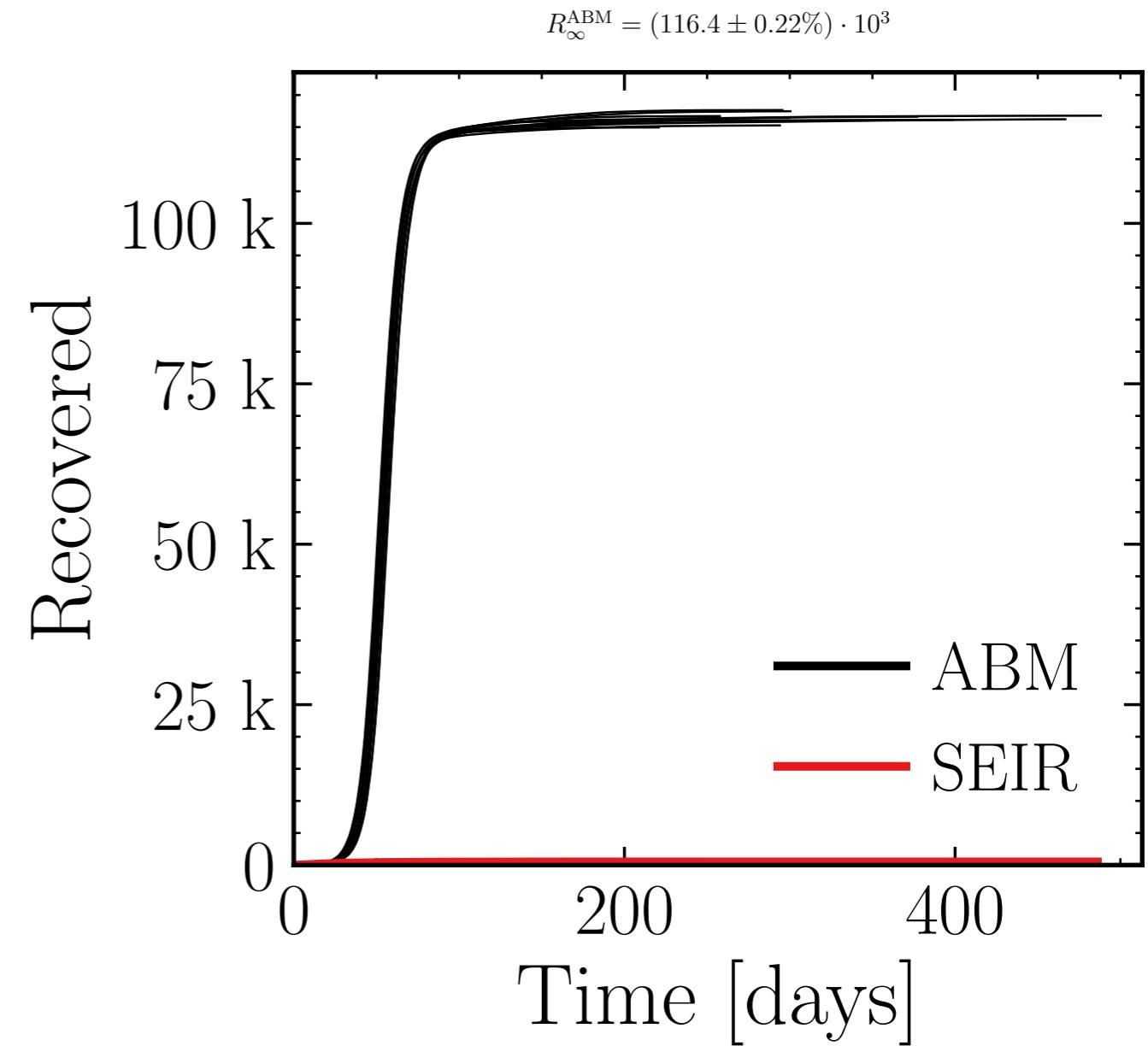
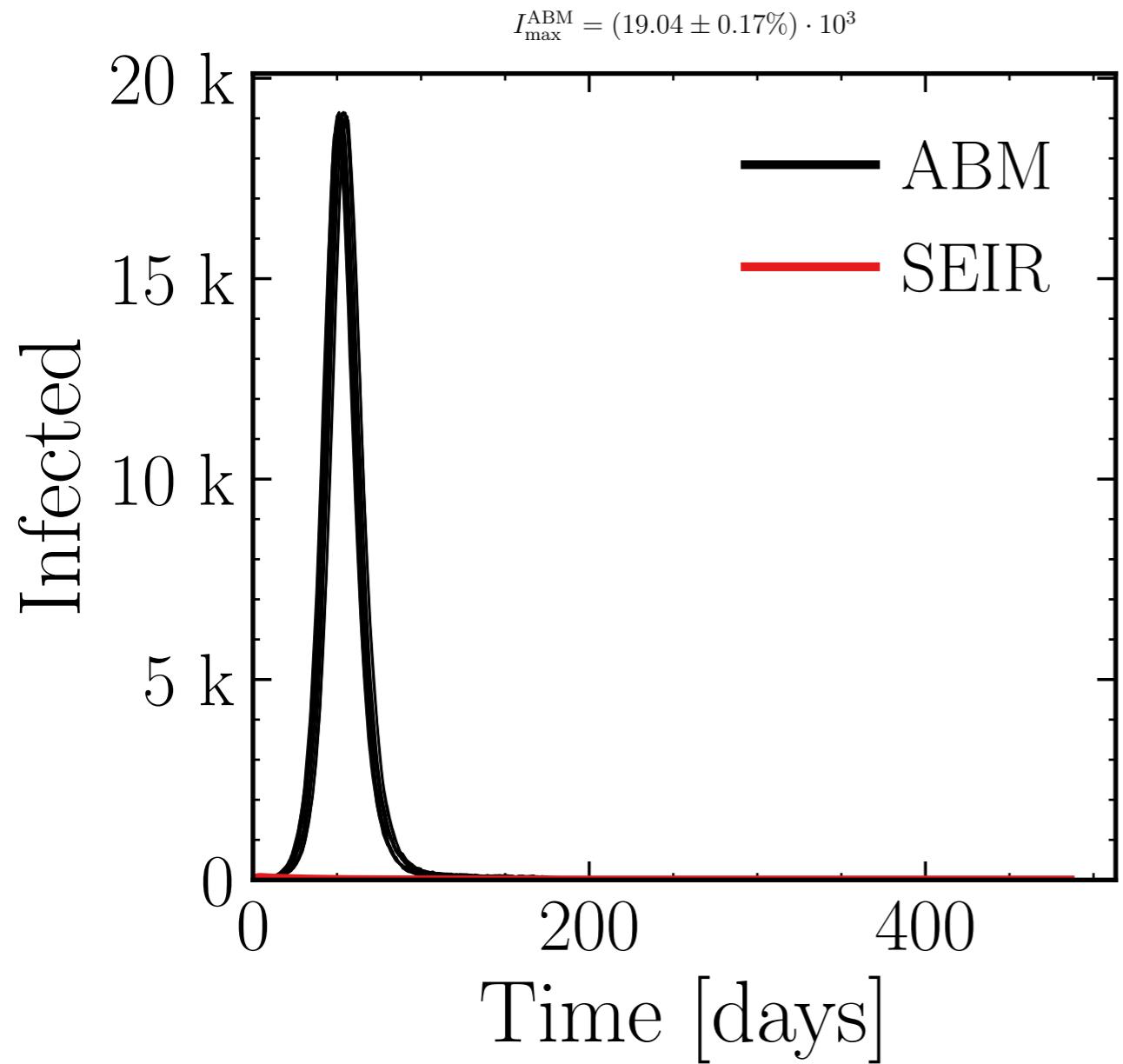
$N_{\text{tot}} = 580K$, $\rho = 0.25$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (34.96 \pm 0.11\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (186.6 \pm 0.096\%) \cdot 10^3$$



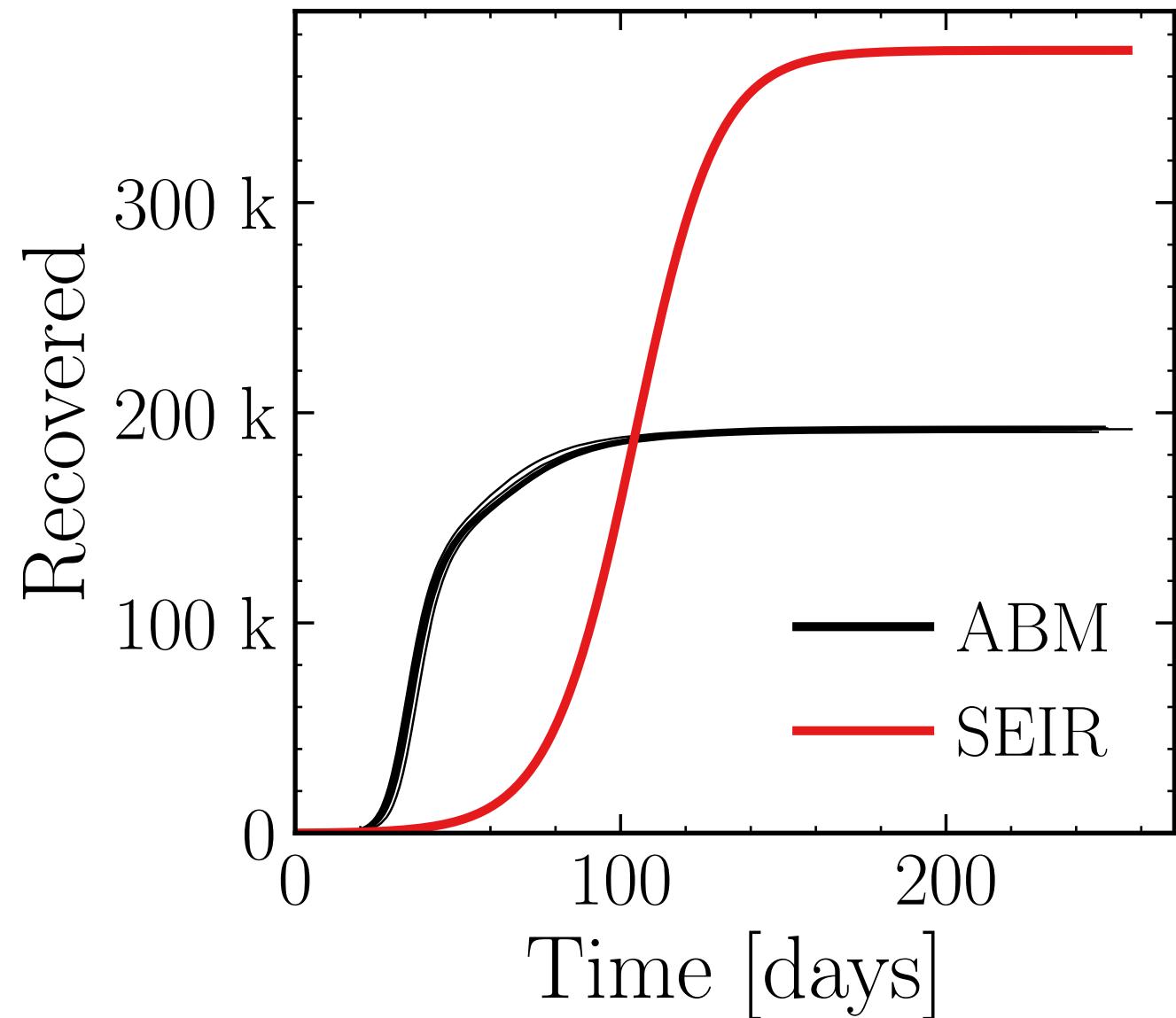
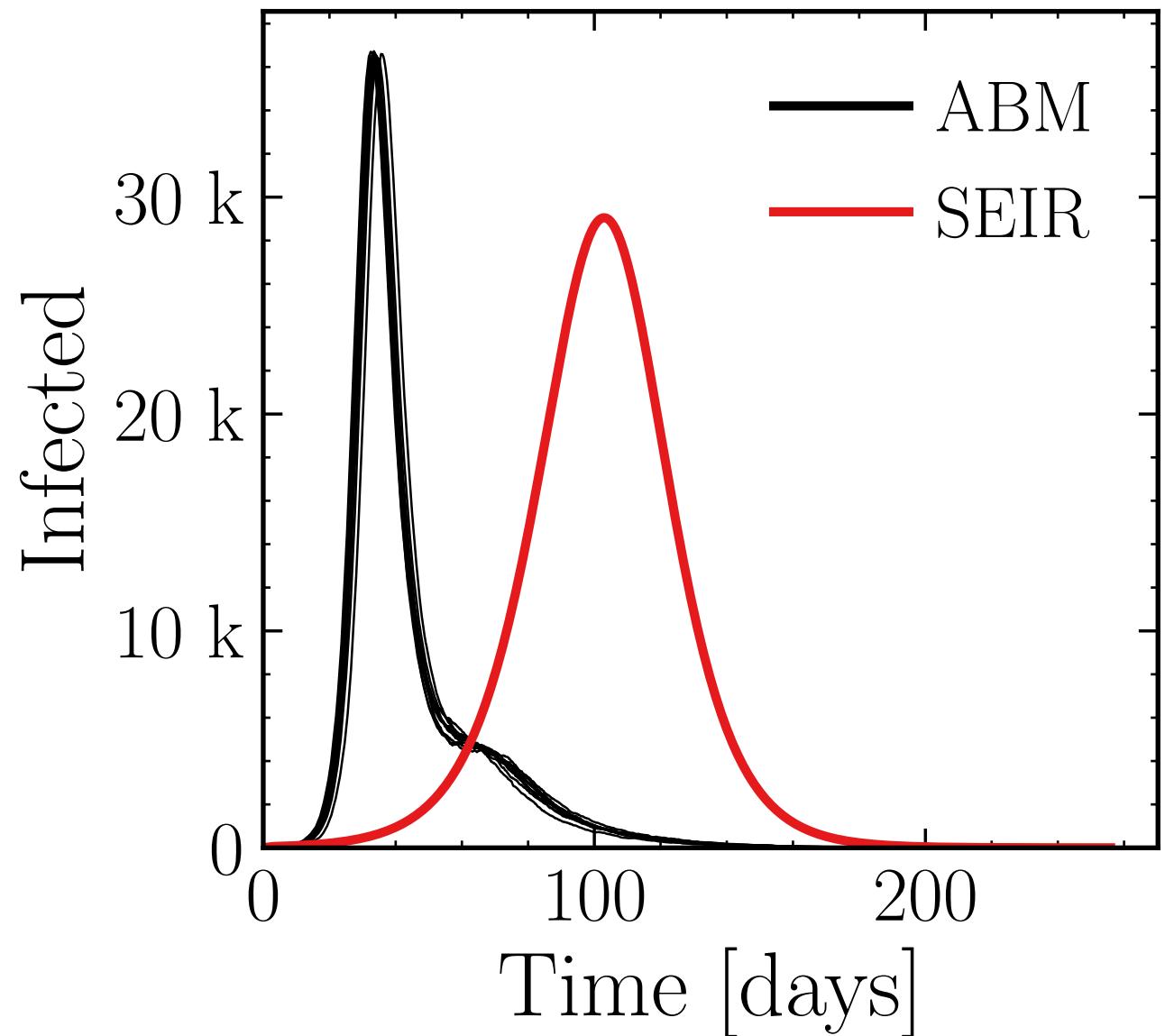
$N_{\text{tot}} = 580K$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10



$N_{\text{tot}} = 580K$, $\rho = 0.2$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

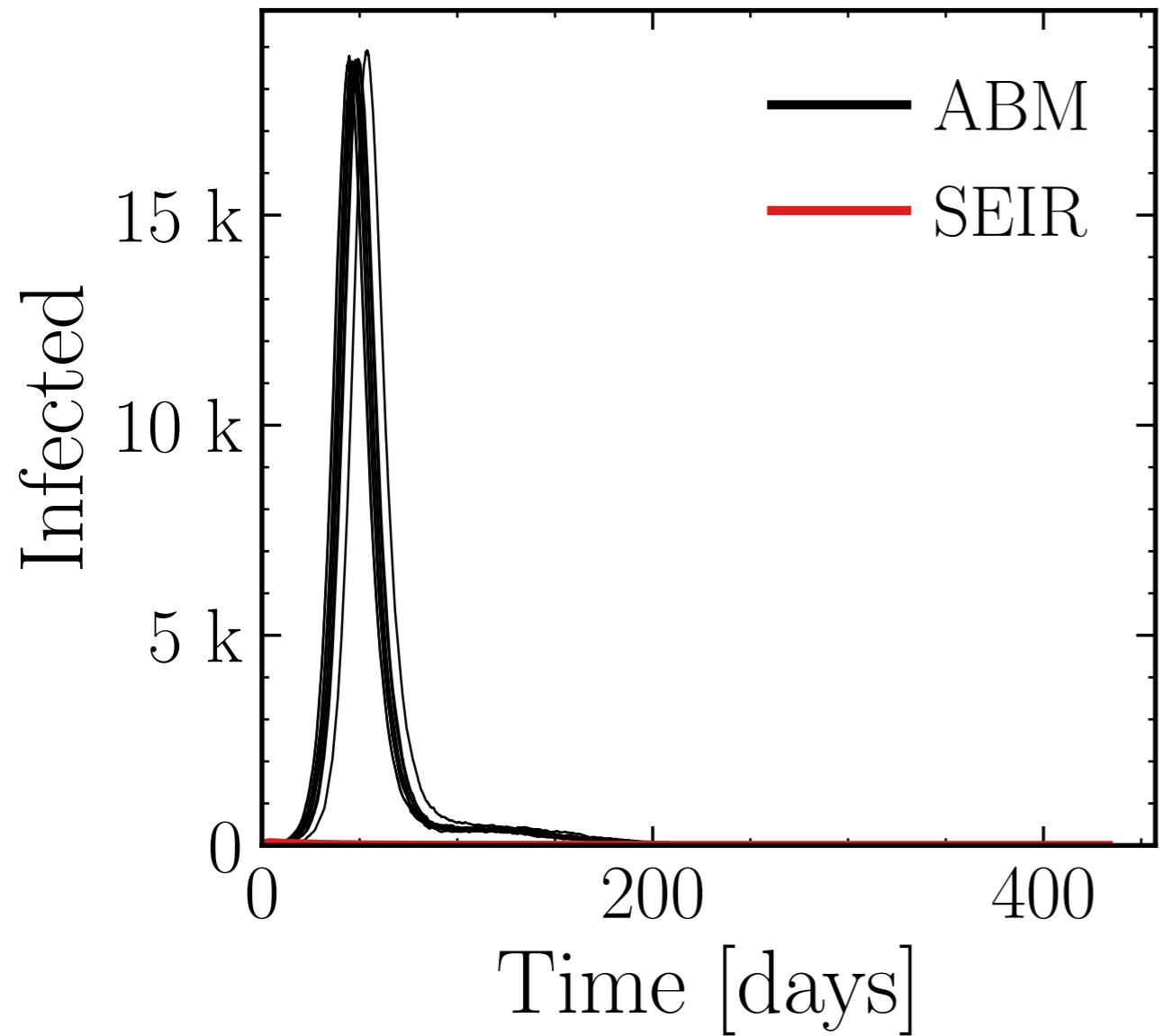
$$I_{\max}^{\text{ABM}} = (36.57 \pm 0.1\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (192 \pm 0.11\%) \cdot 10^3$$

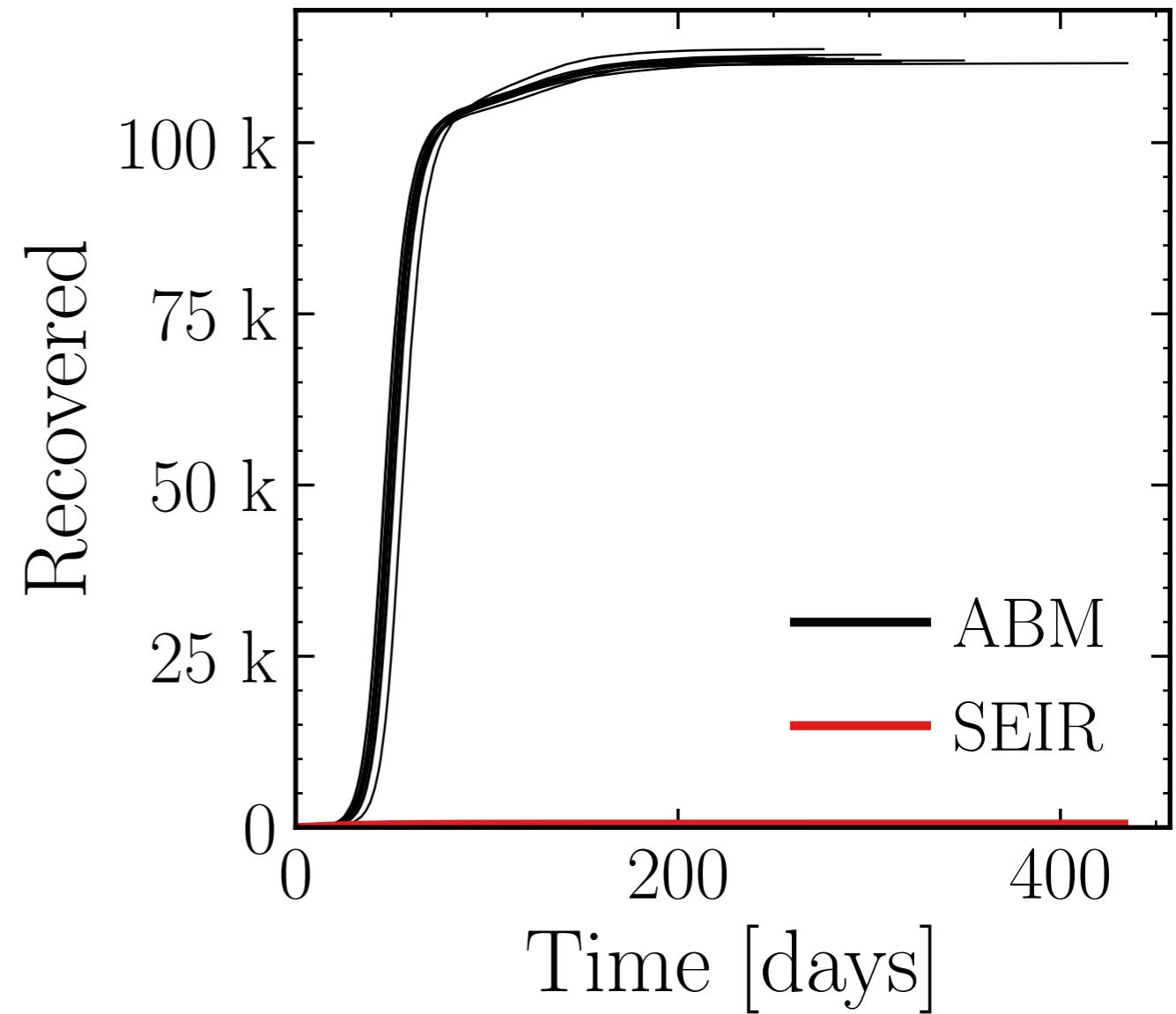


$N_{\text{tot}} = 580K$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (18.7 \pm 0.16\%) \cdot 10^3$$



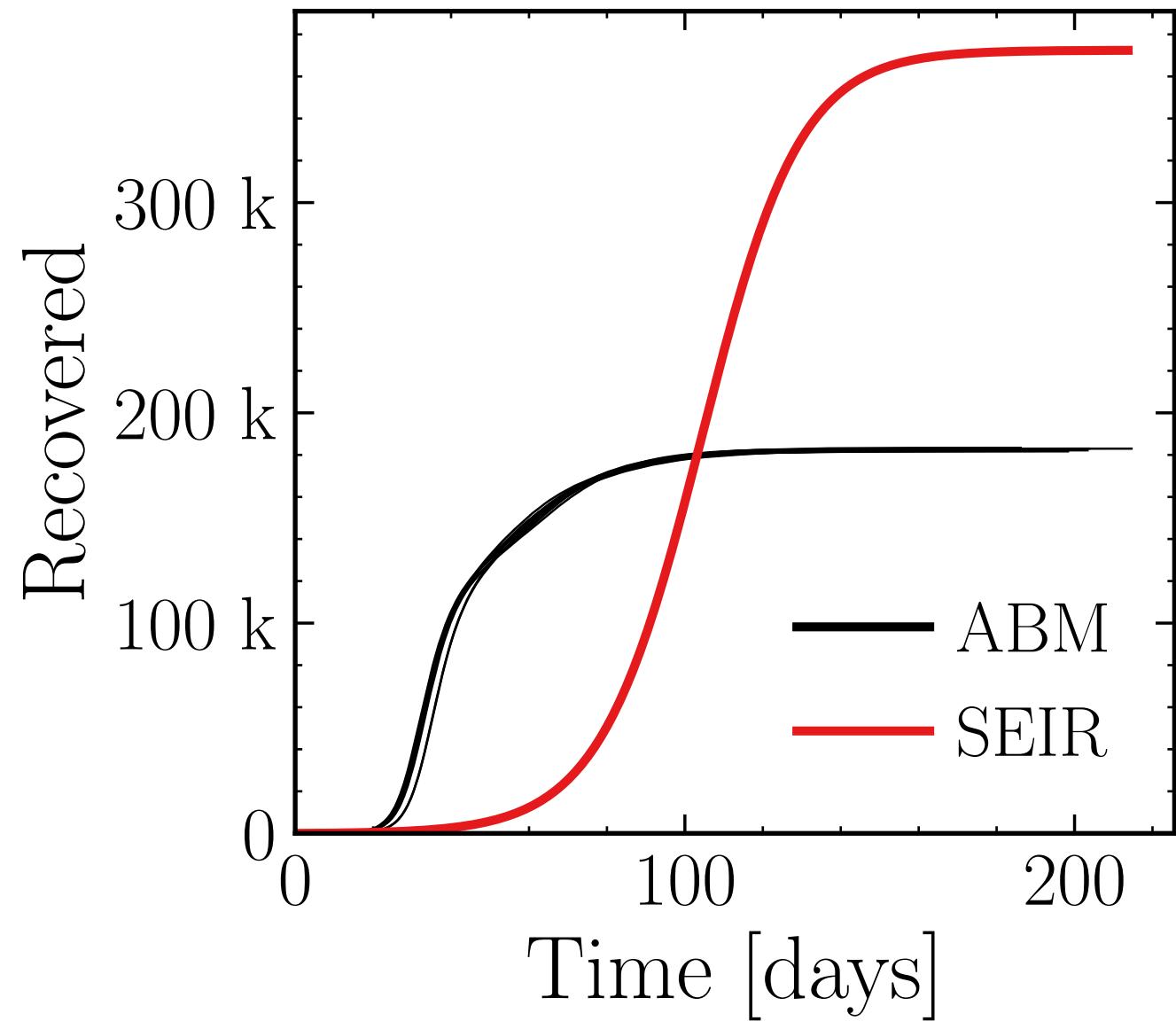
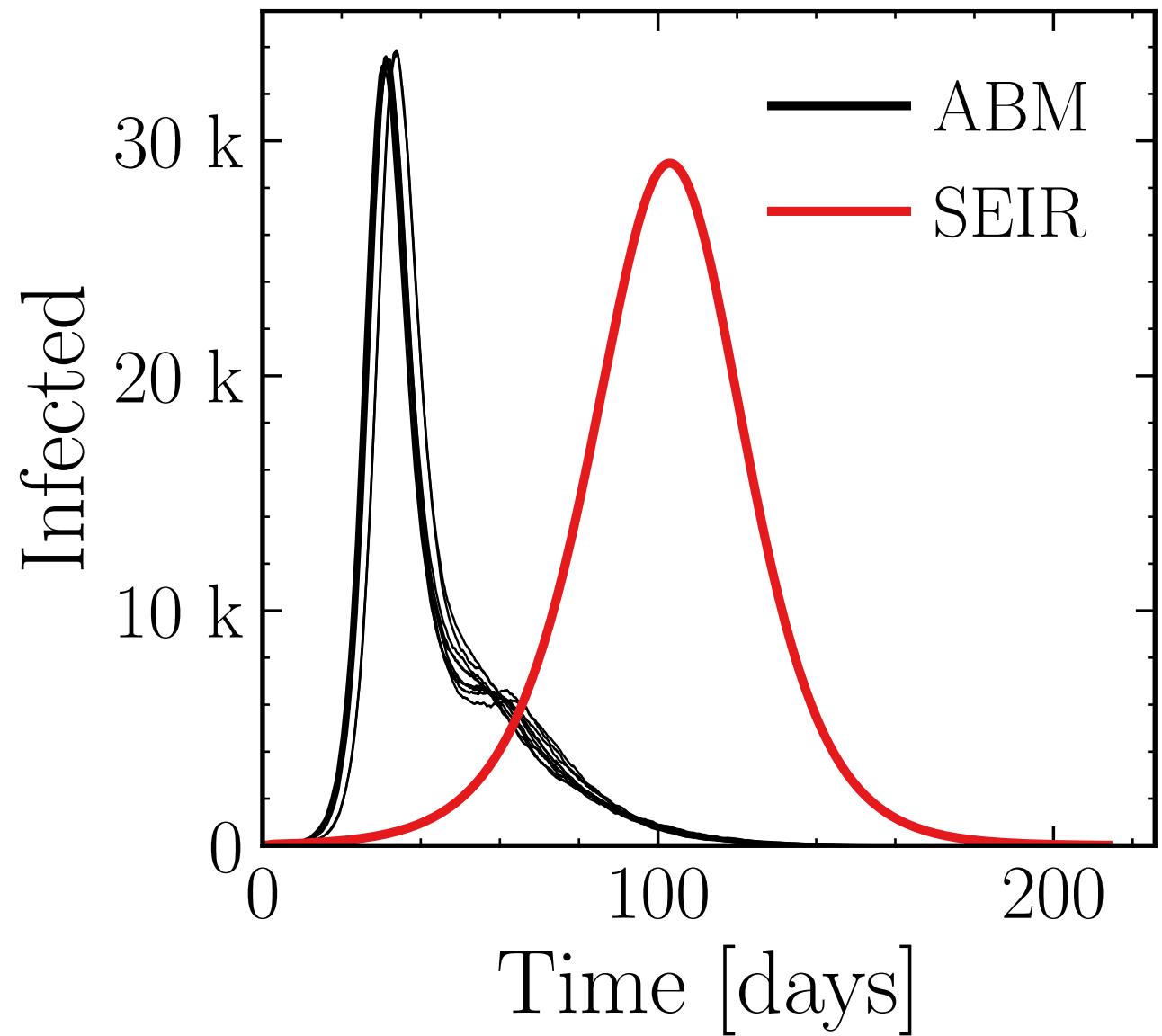
$$R_\infty^{\text{ABM}} = (112.3 \pm 0.16\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.3$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

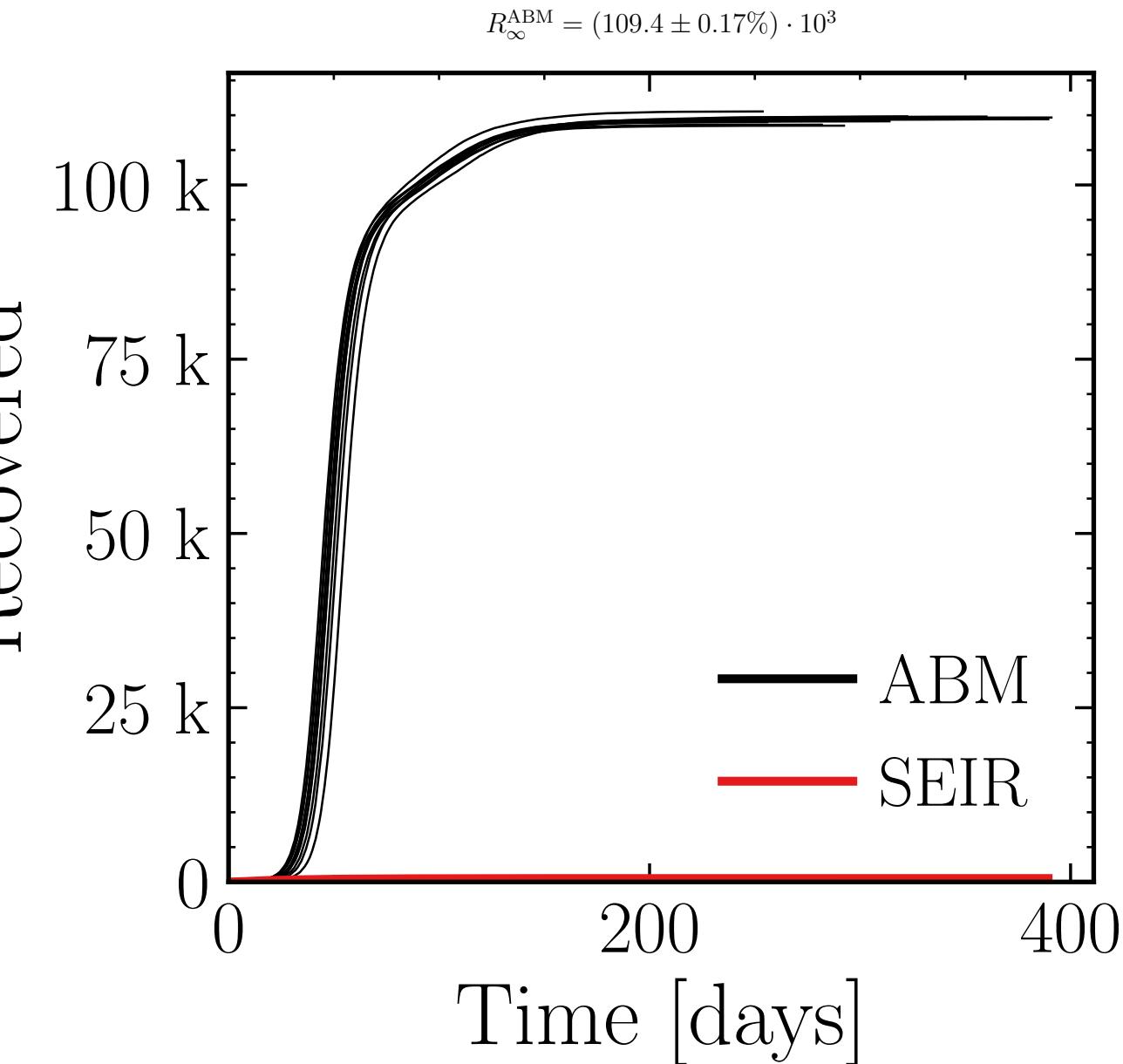
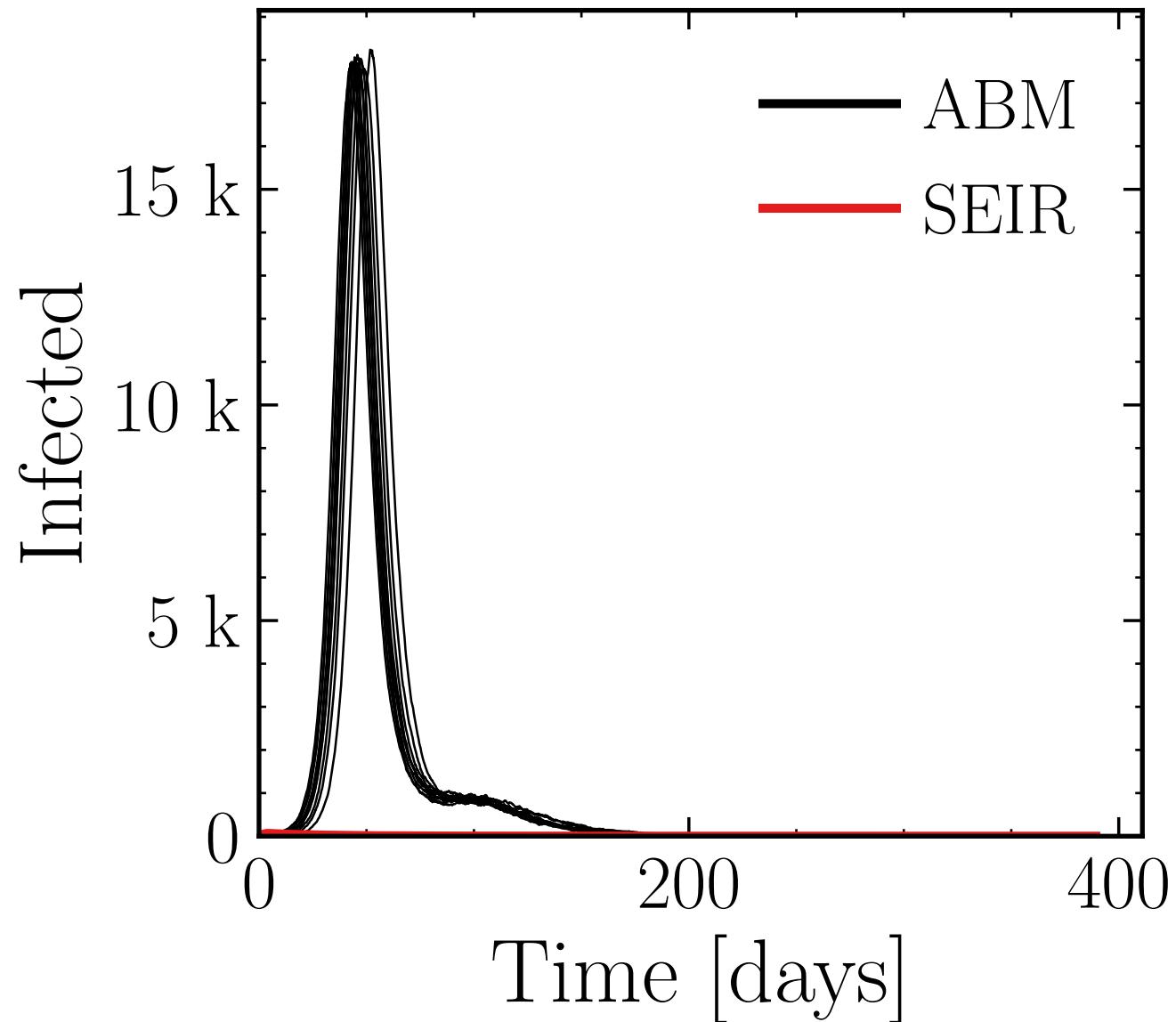
$$I_{\max}^{\text{ABM}} = (33.45 \pm 0.18\%) \cdot 10^3$$

$$R_{\infty}^{\text{ABM}} = (182.4 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (17.99 \pm 0.22\%) \cdot 10^3$$

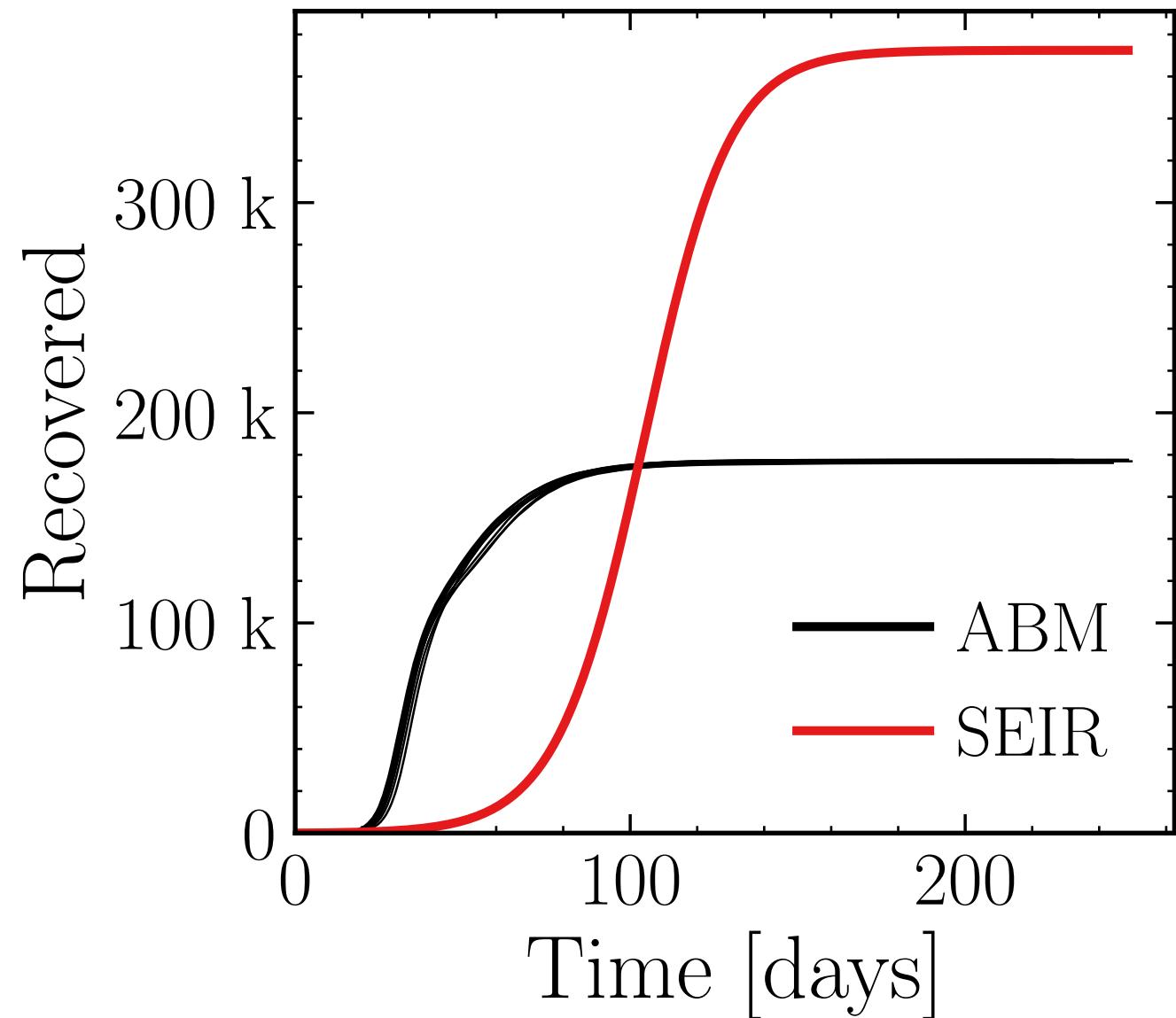
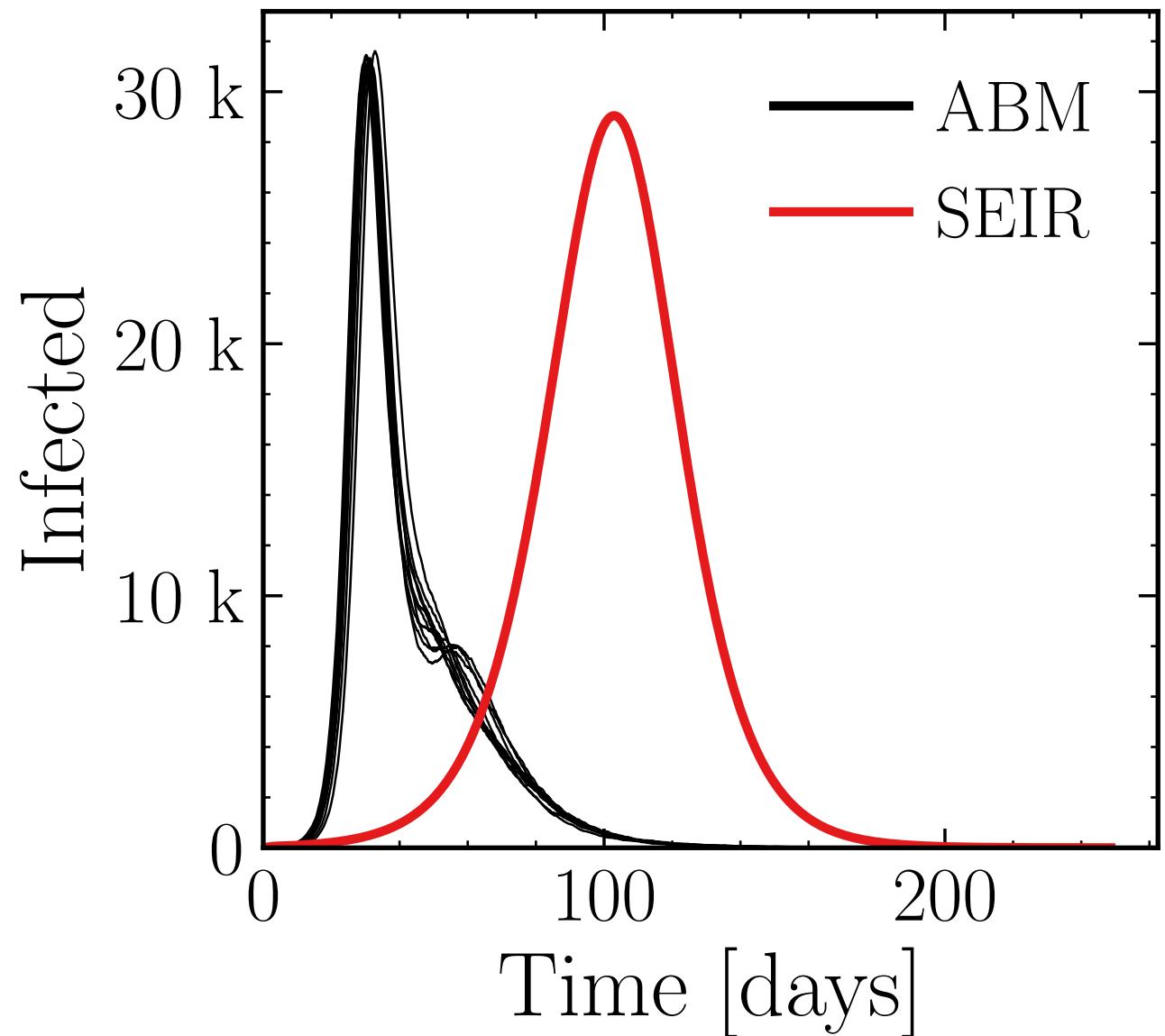


$$R_{\infty}^{\text{ABM}} = (109.4 \pm 0.17\%) \cdot 10^3$$

$N_{\text{tot}} = 580K$, $\rho = 0.4$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (31.16 \pm 0.27\%) \cdot 10^3$$

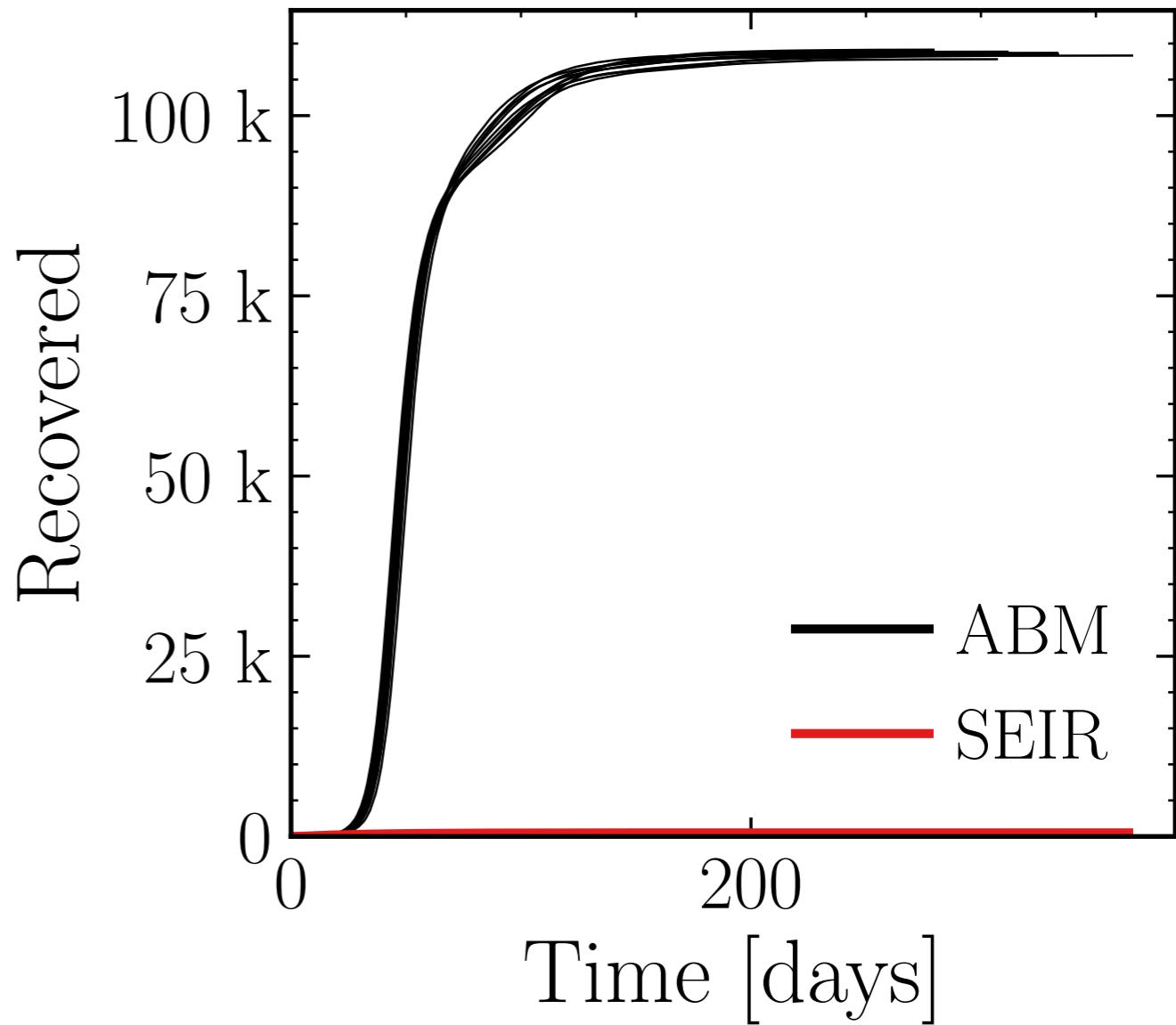
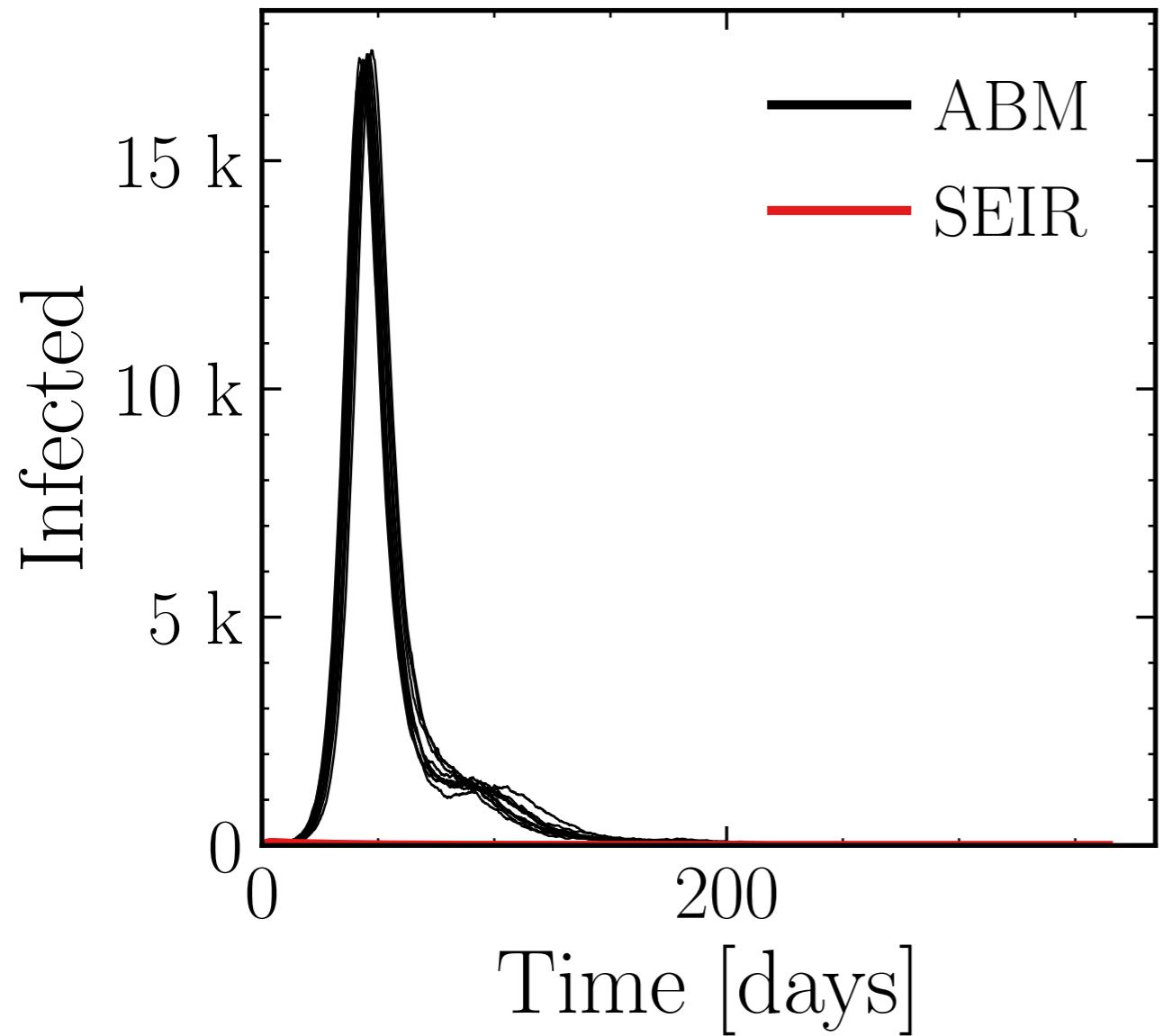
$$R_\infty^{\text{ABM}} = (177.1 \pm 0.092\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.005$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (17.19 \pm 0.28\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (108.6 \pm 0.1\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$, $\rho = 0.5$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo = 2, $N_{\text{init}} = 100$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, $N_{\text{connect}}^{\text{connect}} = 0$, v. = 1.0, #10

$$I_{\max}^{\text{ABM}} = (29.22 \pm 0.34\%) \cdot 10^3$$

$$R_\infty^{\text{ABM}} = (175.2 \pm 0.12\%) \cdot 10^3$$

