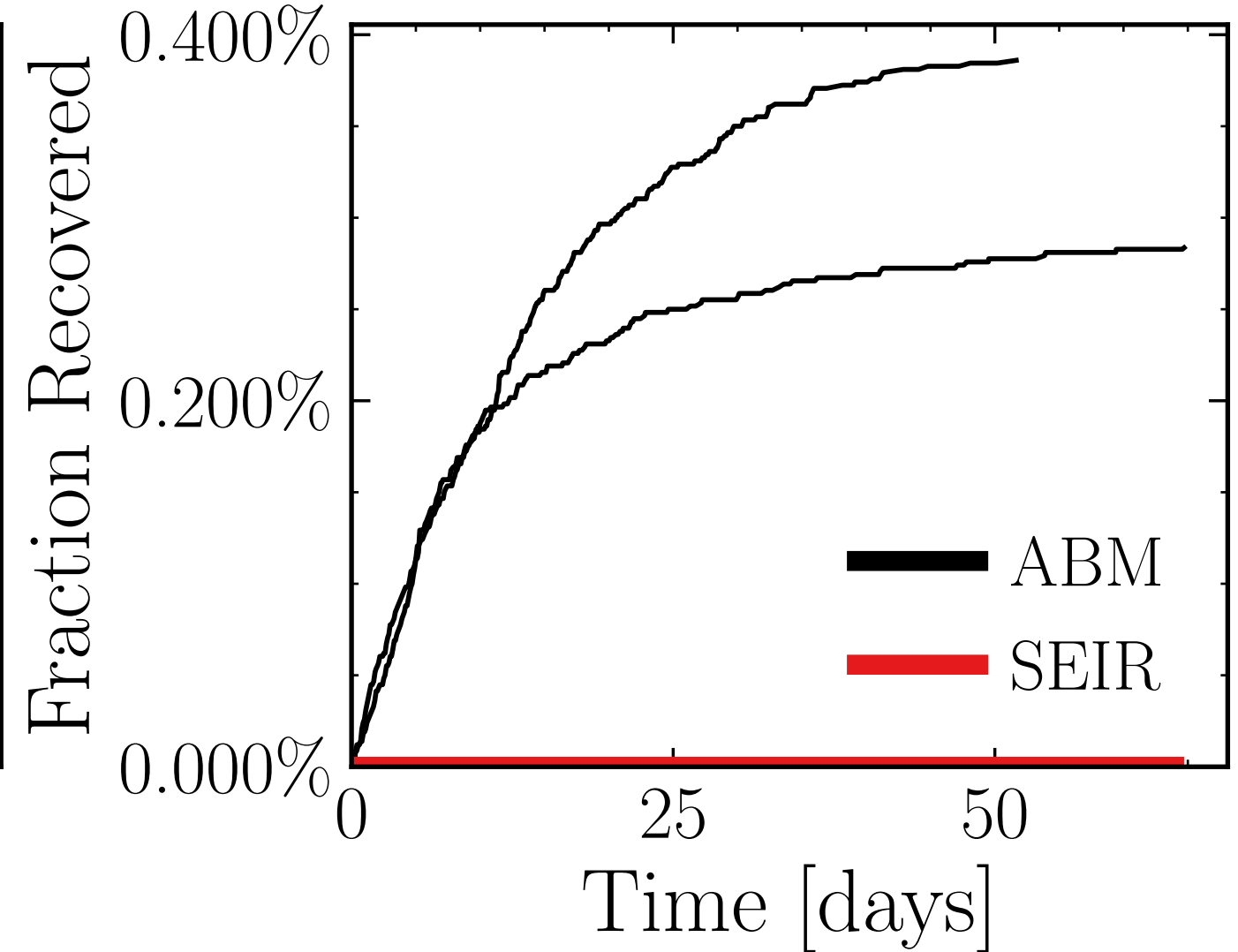
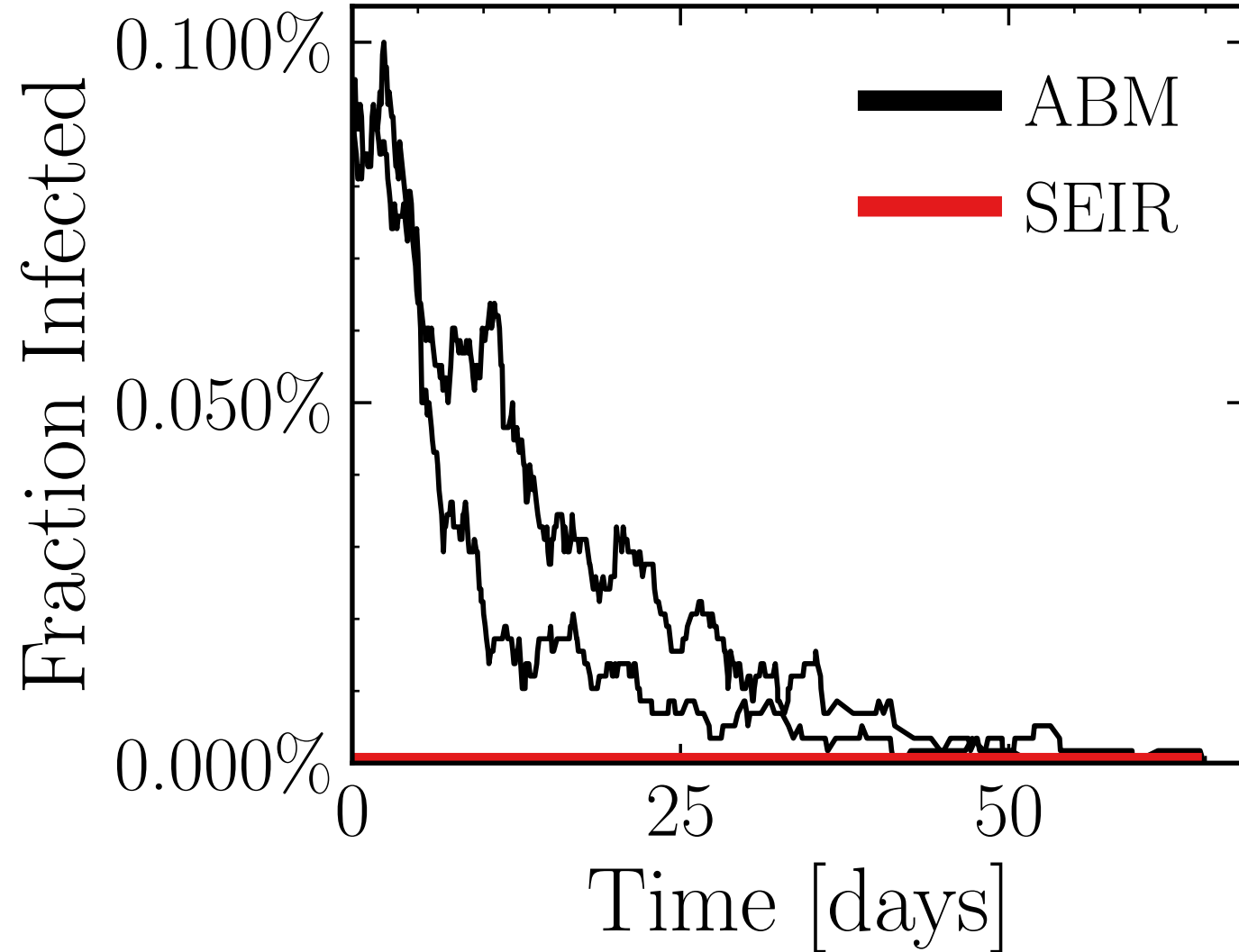
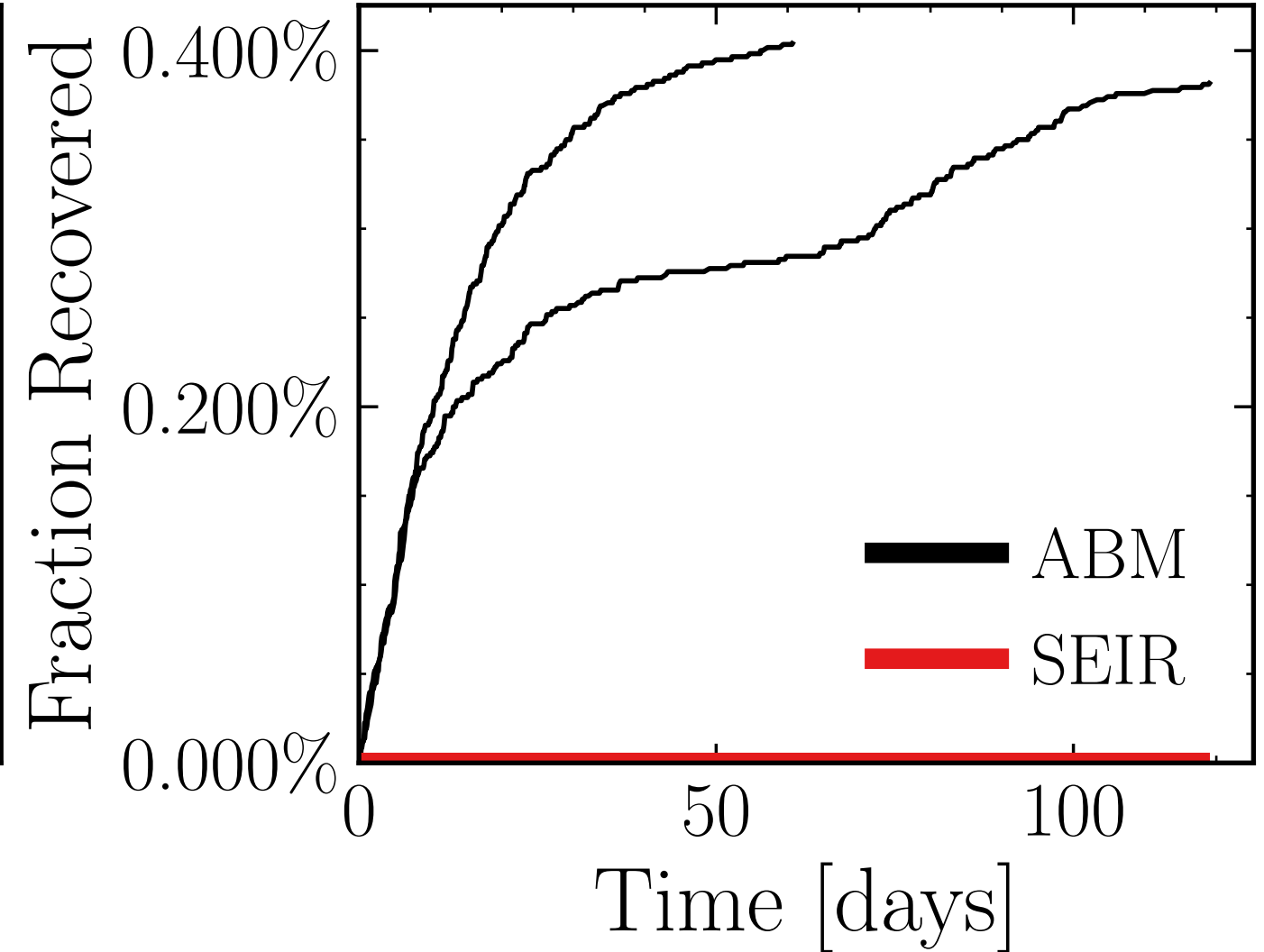
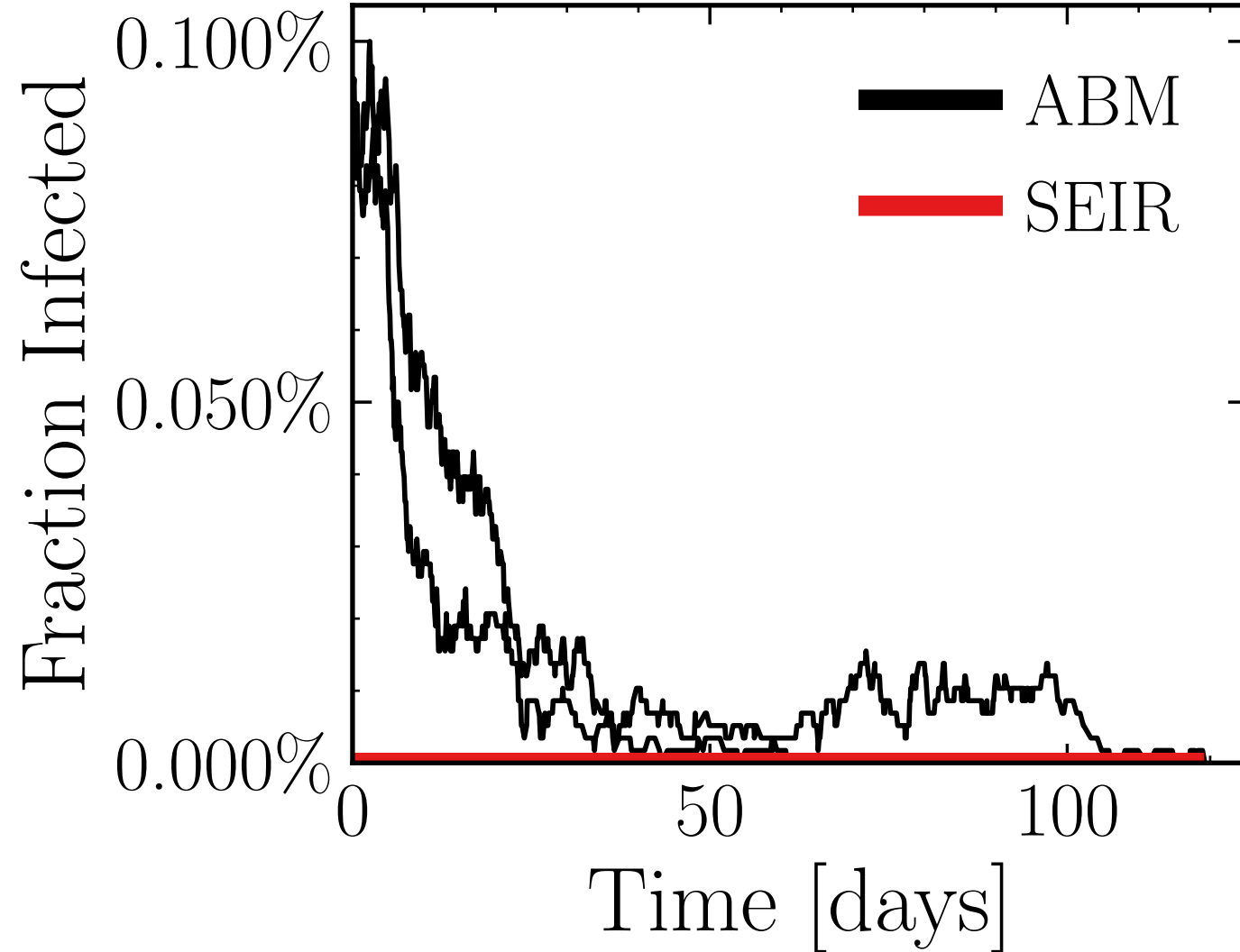


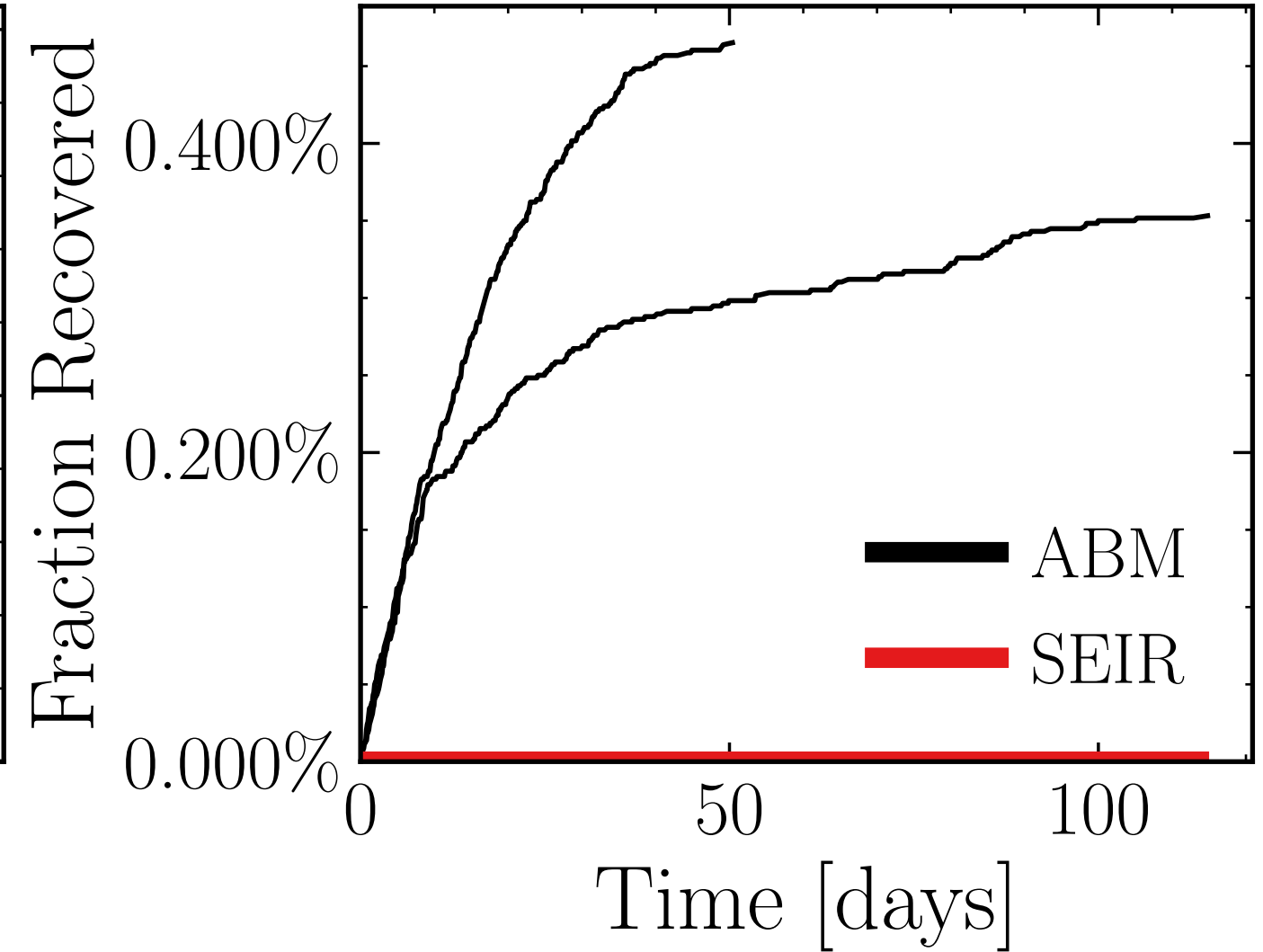
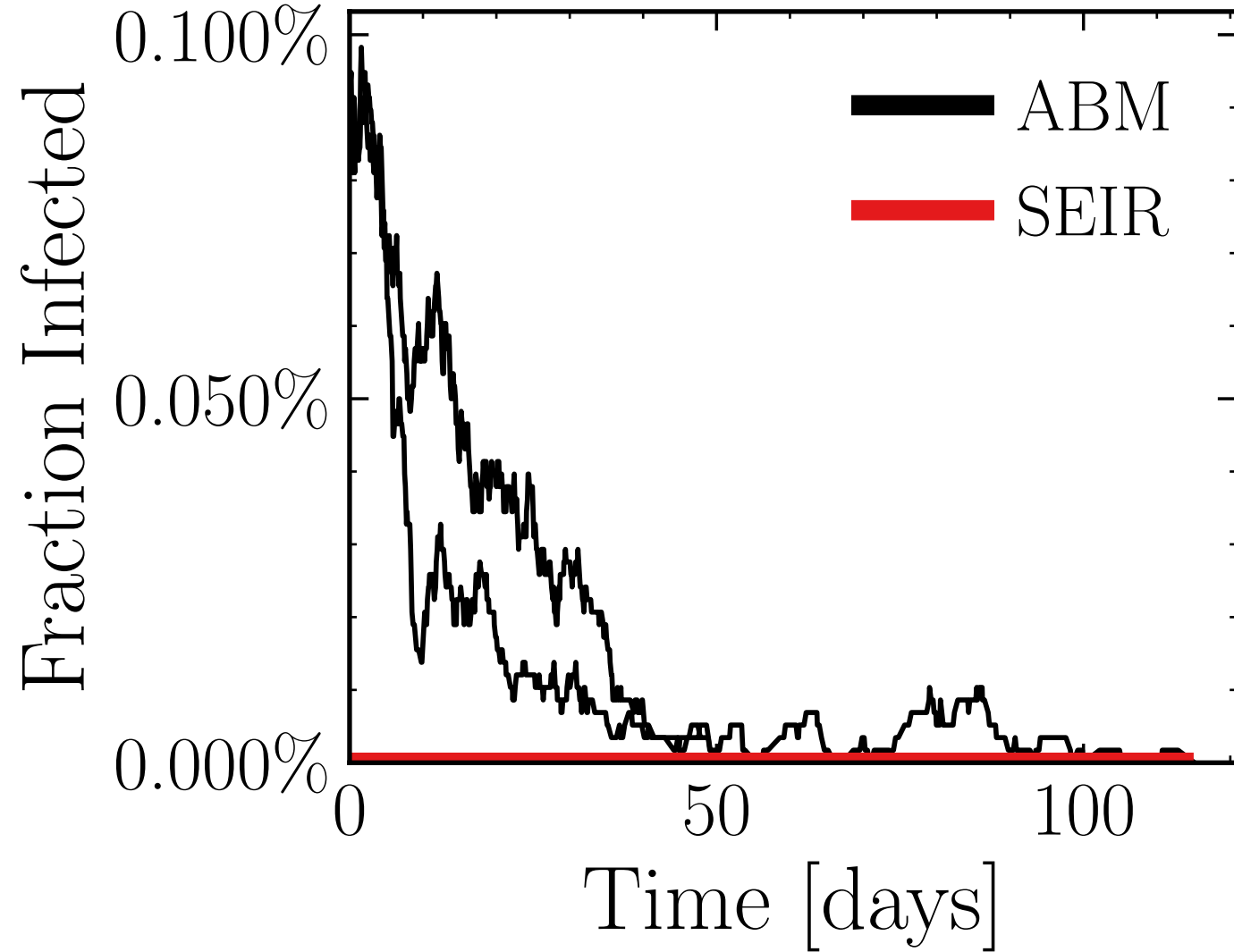
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.006$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.3$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#2$
 $I_{\text{peak}}^{\text{ABM}} = (56 \pm 1.9\%)$. $R_{\infty}^{\text{ABM}} = (190 \pm 1.1e + 01\%)$.



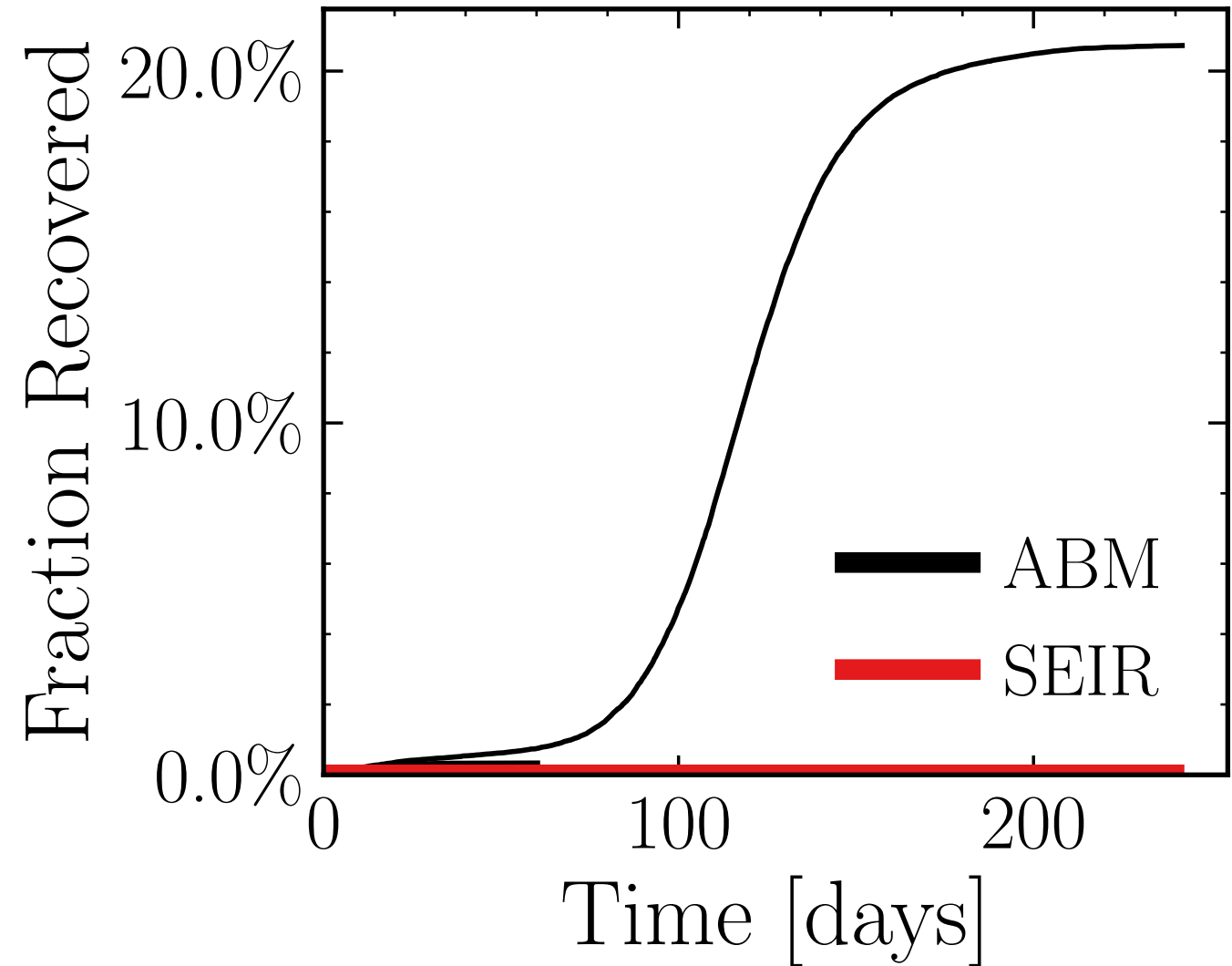
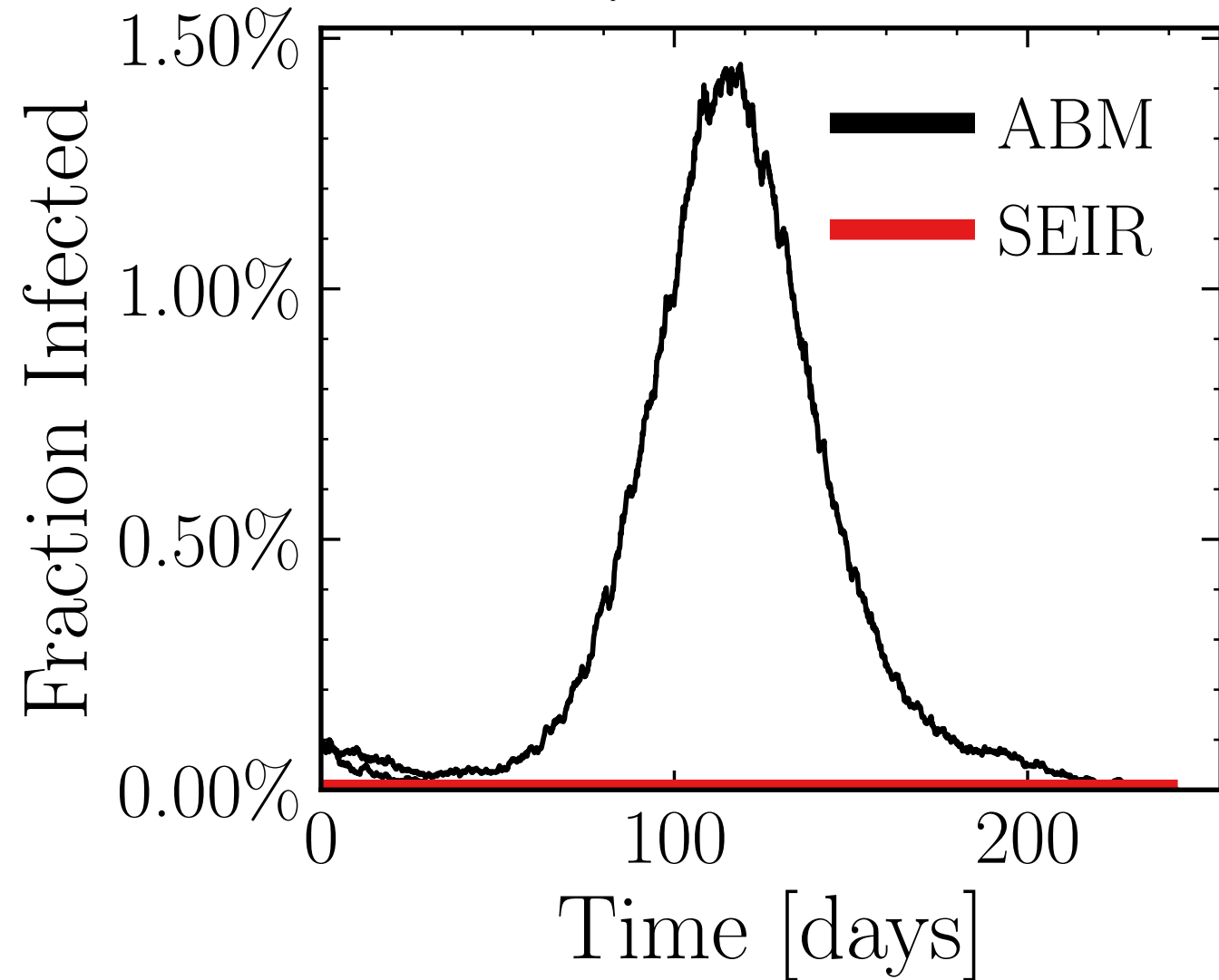
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.006$, $\sigma_{\beta} = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.0$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#2$
 $I_{\text{peak}}^{\text{ABM}} = (56 \pm 1.9\%)$. $R_{\infty}^{\text{ABM}} = (228 \pm 2.0\%)$.



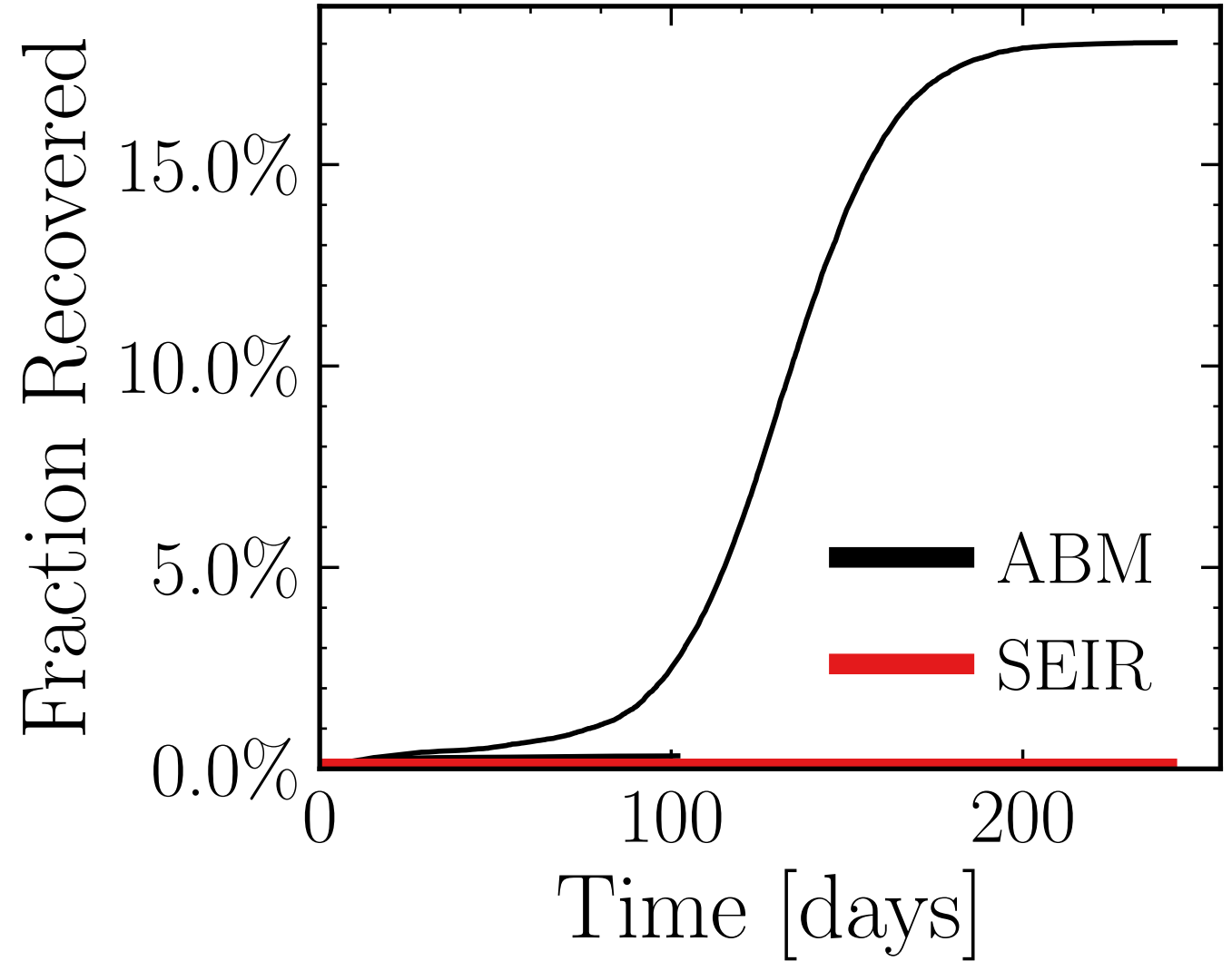
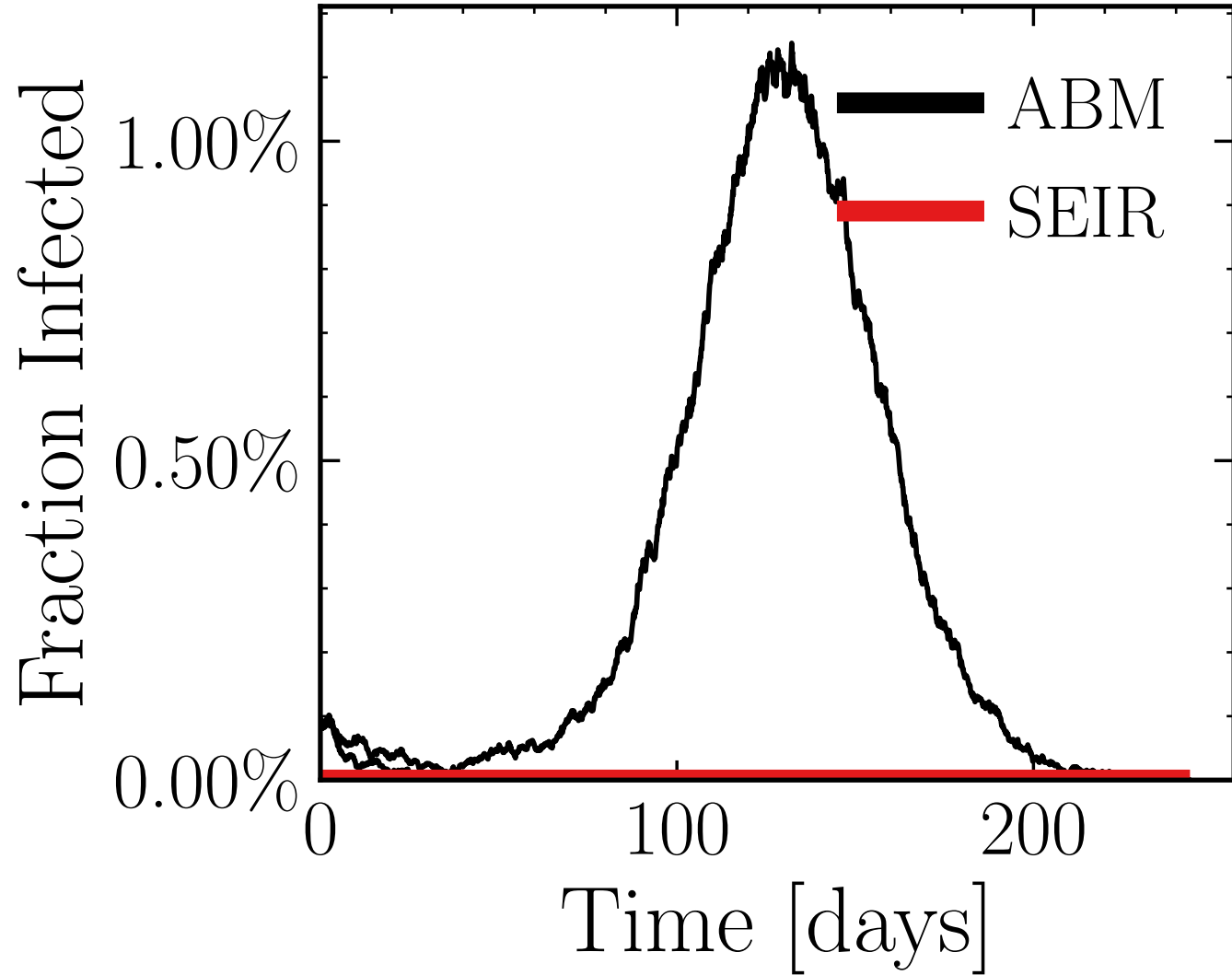
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.006$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.5$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#2$
 $I_{\text{peak}}^{\text{ABM}} = (56 \pm 1.9\%)$. $R_{\infty}^{\text{ABM}} = (240 \pm 9.7\%)$.



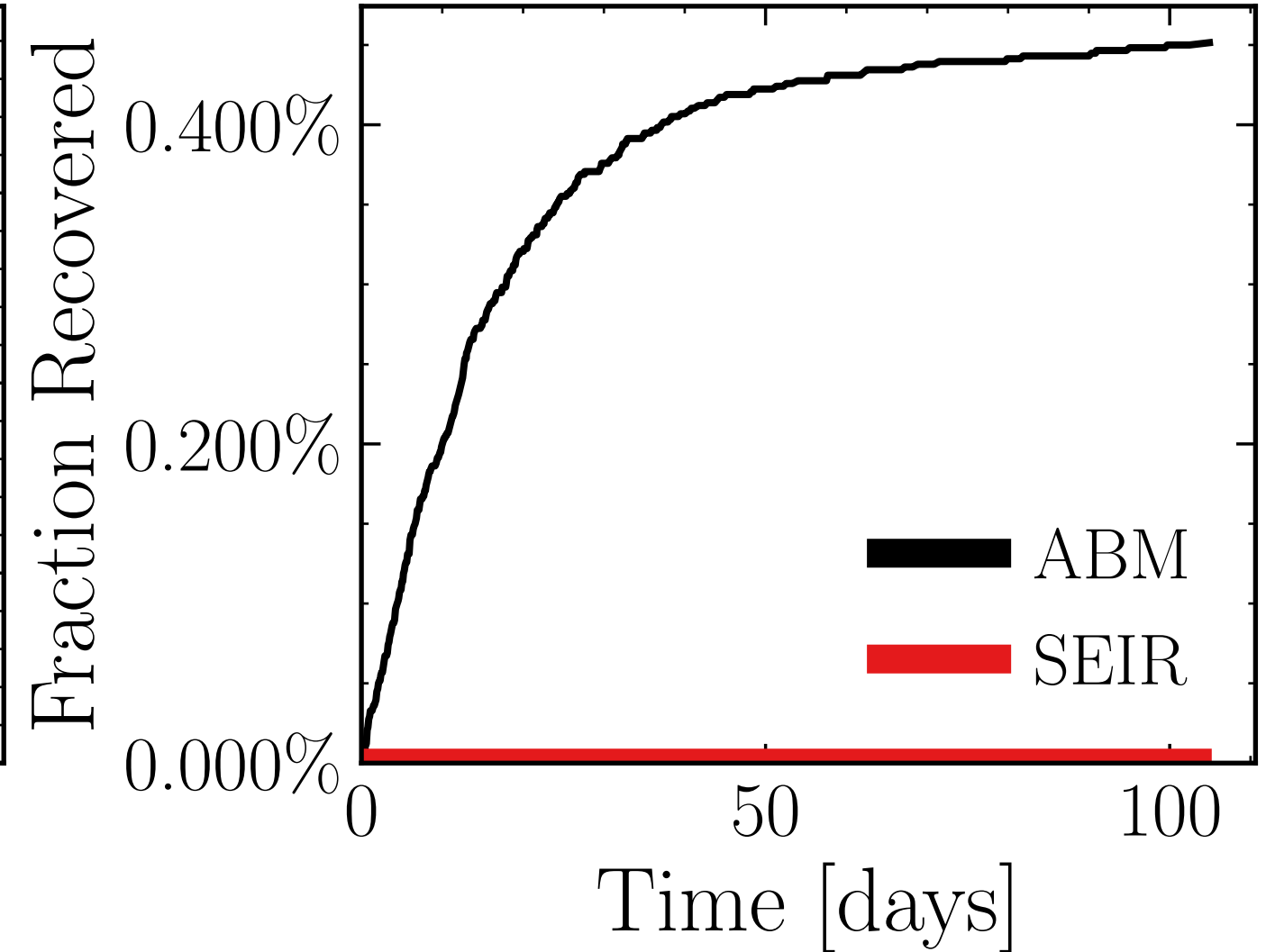
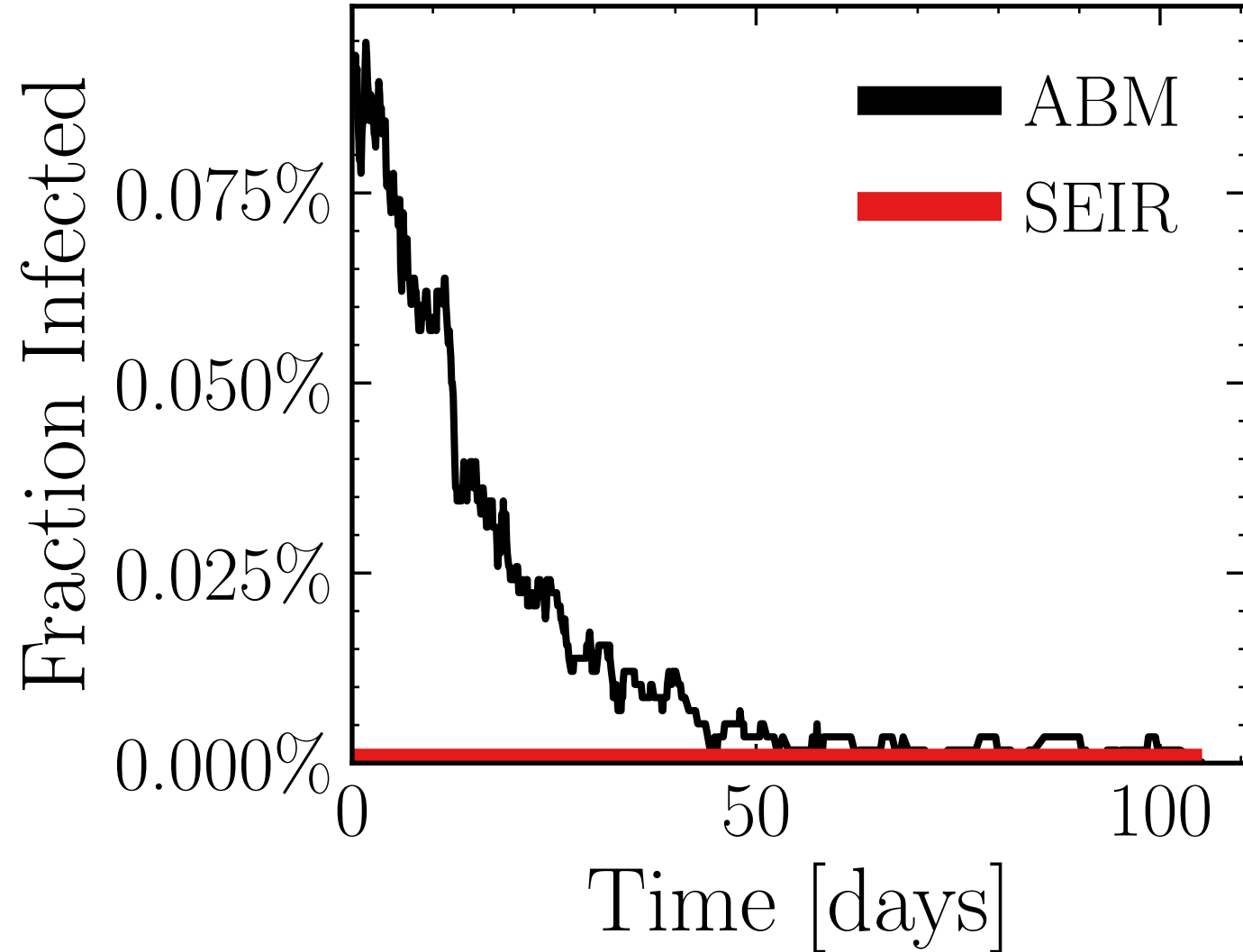
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.006$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, w.rand.inf. = True, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.7$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
do_int. = False, int. = [1, 4, 6], $f_{\text{dailytests}} = 0.01$, test_delay = [0, 0, 25], result_delay = [5, 10, 5]
chance_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days_look.back = 7, tracking_delay = 10, #2
 $I_{\text{peak}}^{\text{ABM}} = (400 \pm 6.2e + 01\%)$. $R_{\infty}^{\text{ABM}} = (6 \pm 6.8e + 01\%) \cdot 10^3$



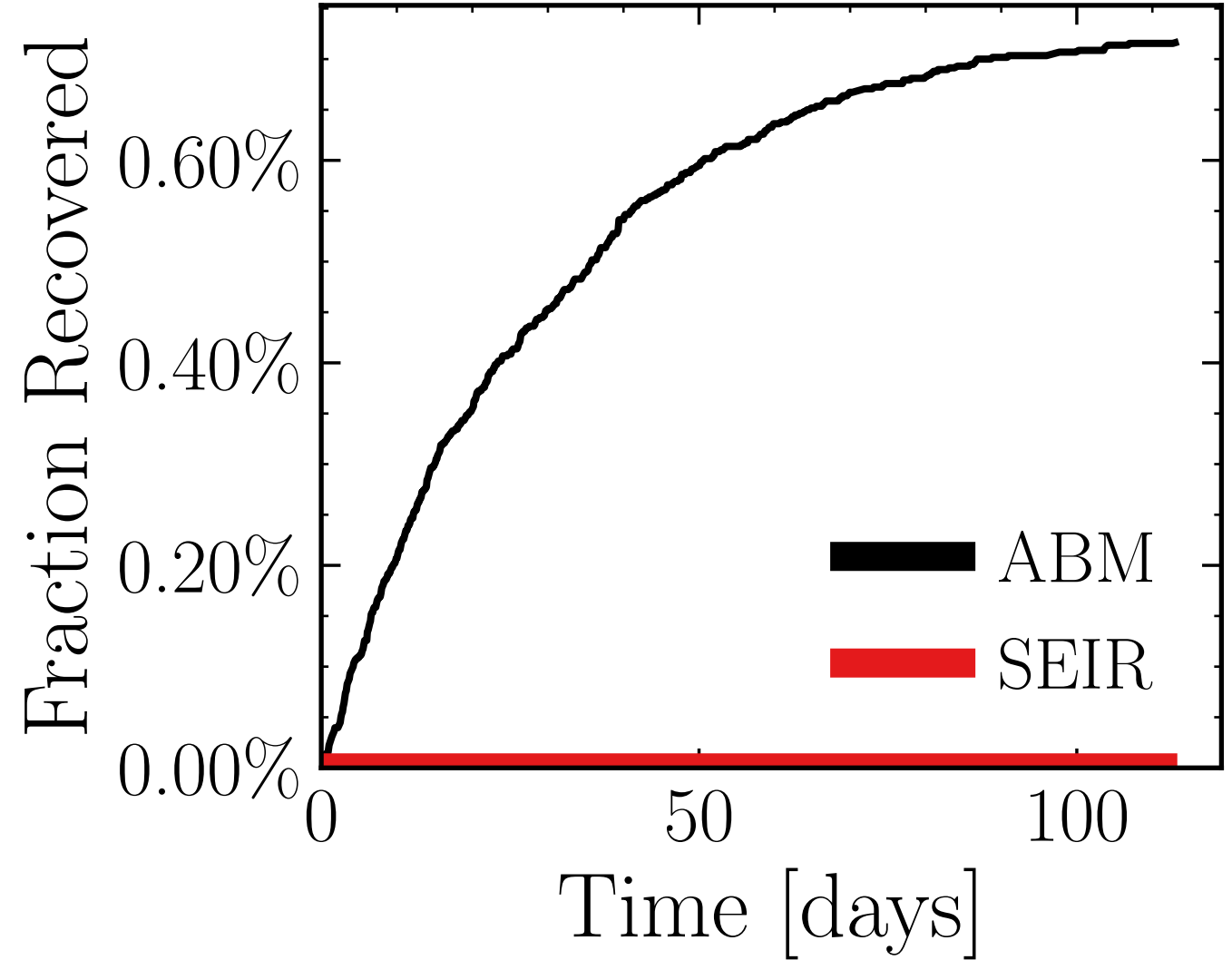
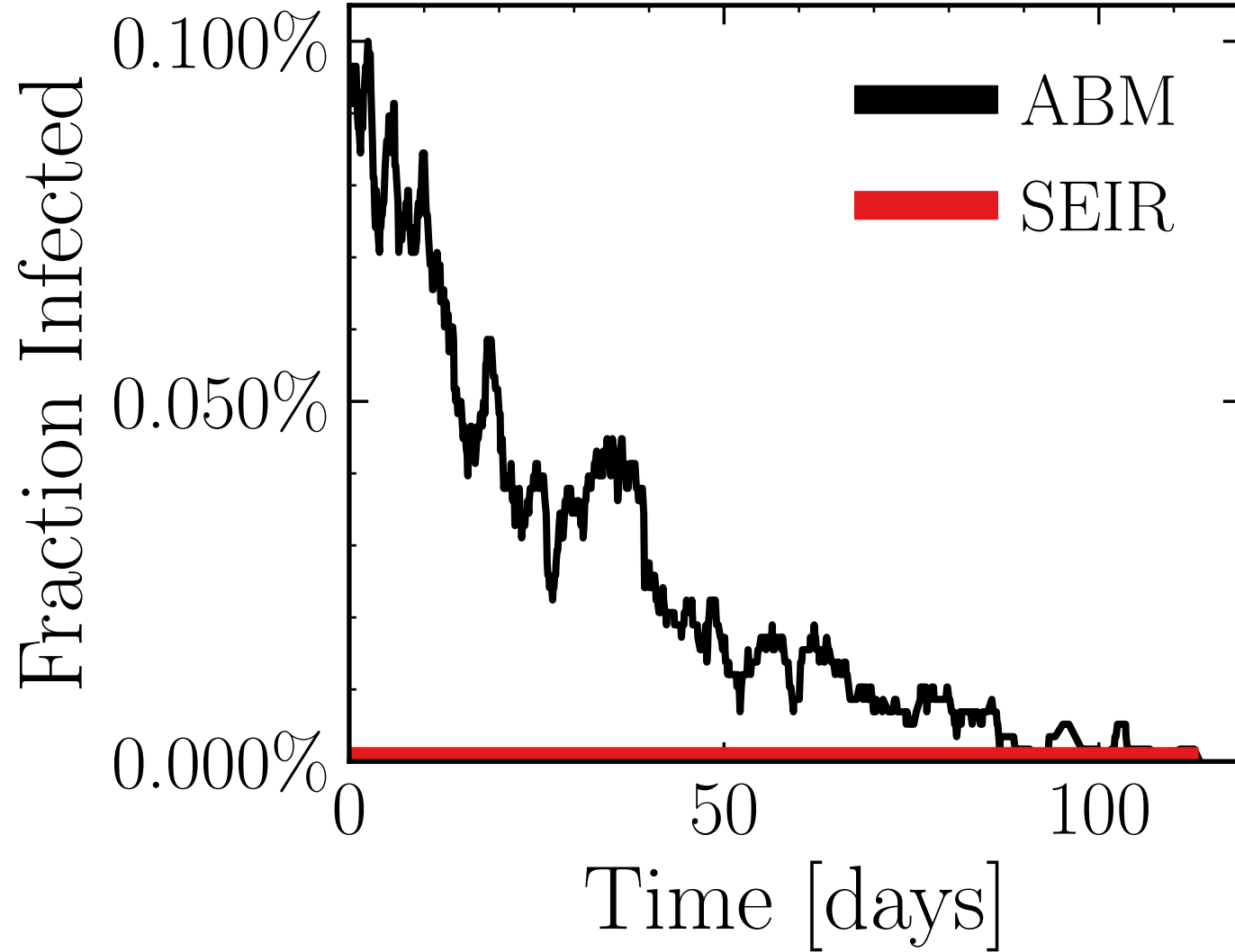
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.006$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, w.rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.6$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
do_int. = False, int. = [1, 4, 6], $f_{\text{dailytests}} = 0.01$, test_delay = [0, 0, 25], result_delay = [5, 10, 5]
chance_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days_look.back = 7, tracking_delay = 10, #2
 $I_{\text{peak}}^{\text{ABM}} = (400 \pm 5.9e + 01\%)$. $R_{\infty}^{\text{ABM}} = (5 \pm 6.8e + 01\%) \cdot 10^3$



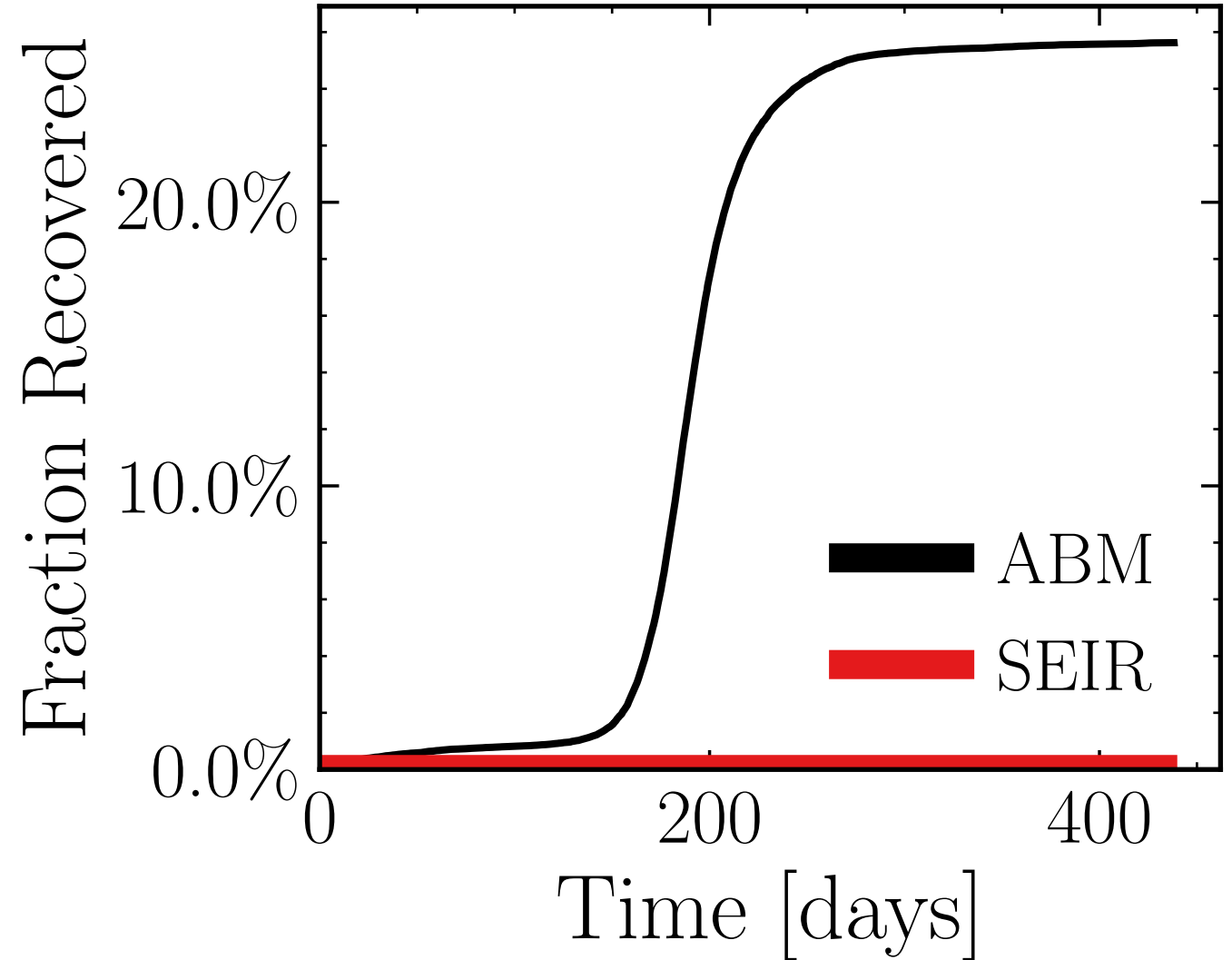
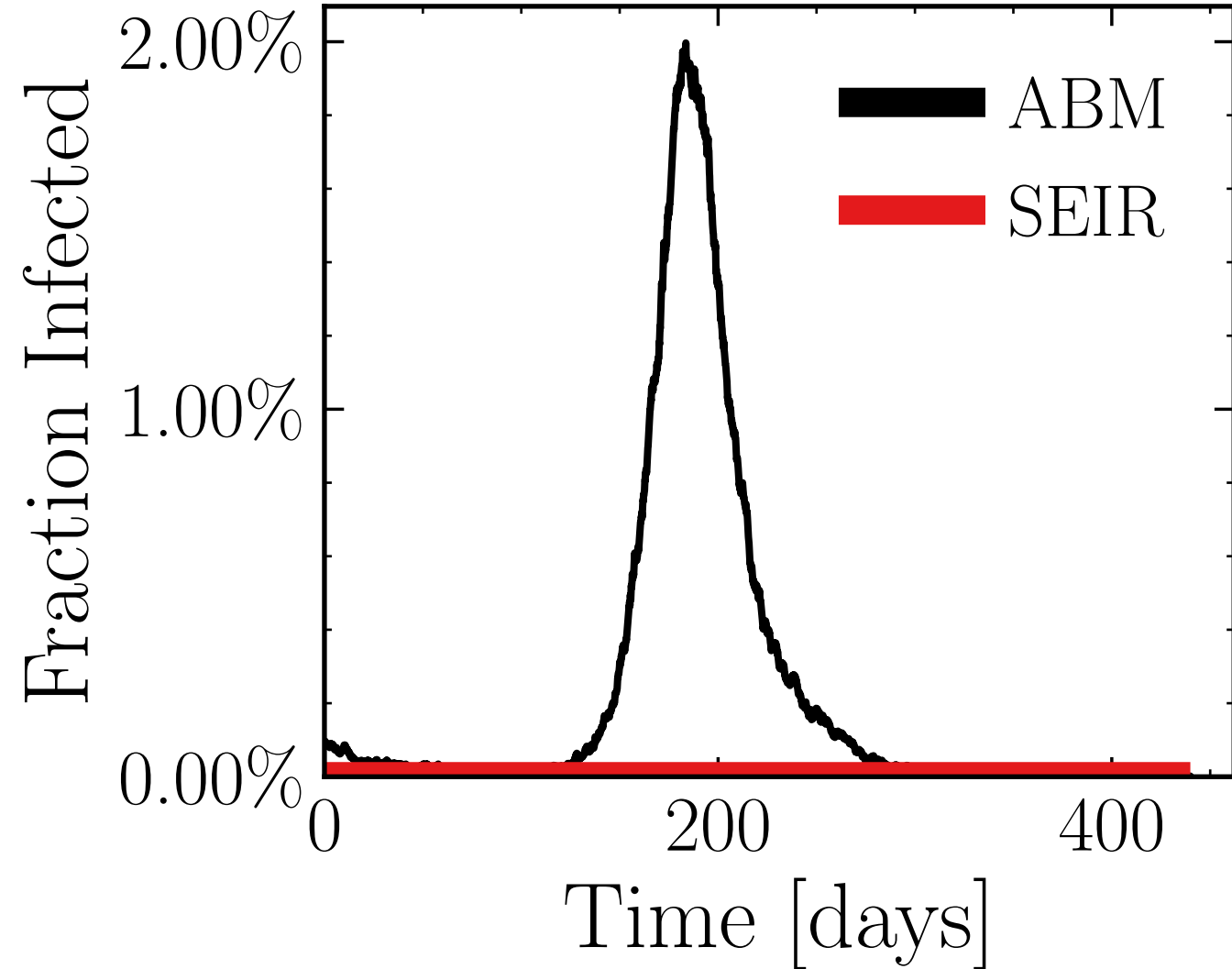
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.008$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.0$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#1$
 $I_{\text{peak}}^{\text{ABM}} = (55 \pm 0.0\%)$. $R_{\infty}^{\text{ABM}} = (262 \pm 0.0\%)$.



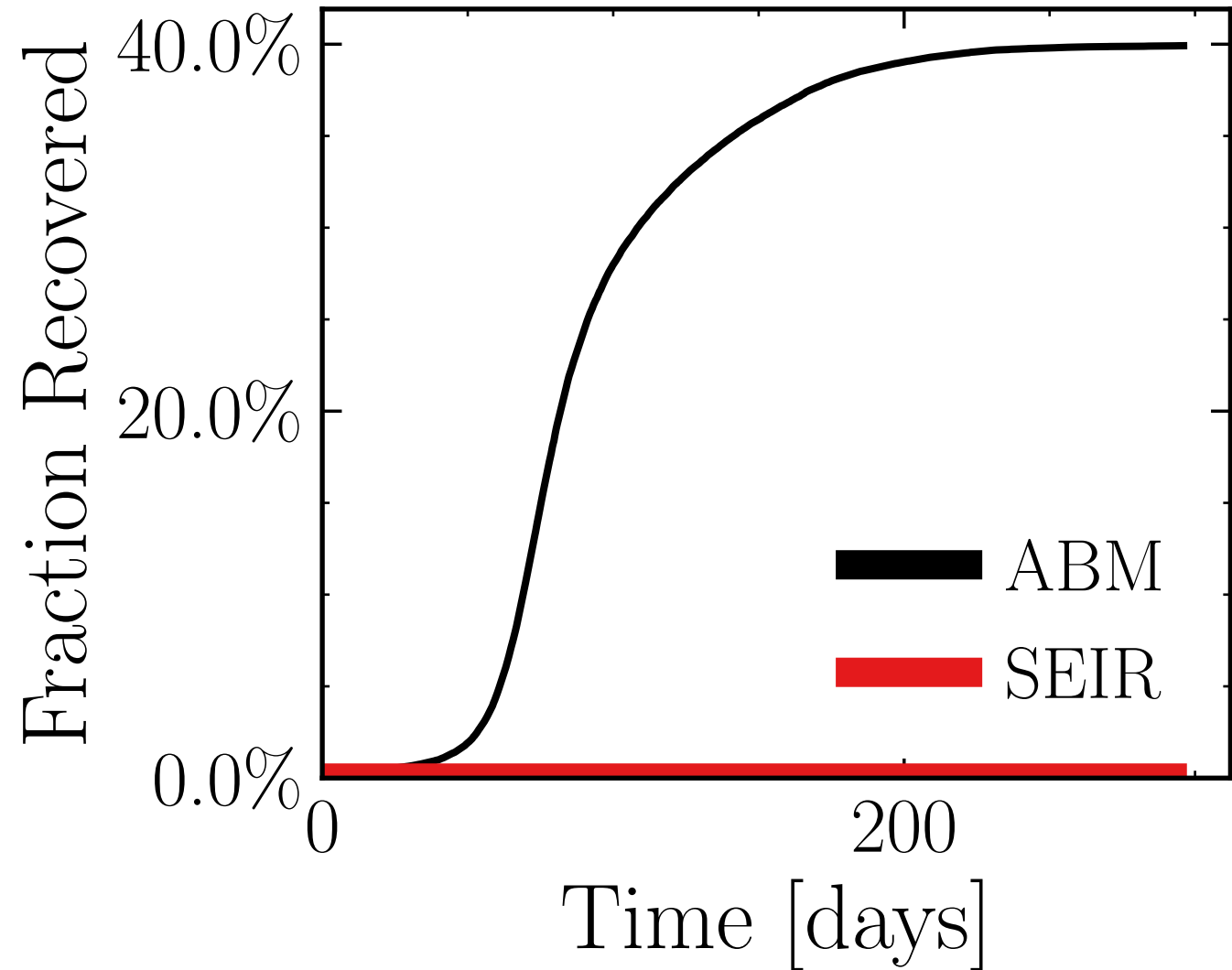
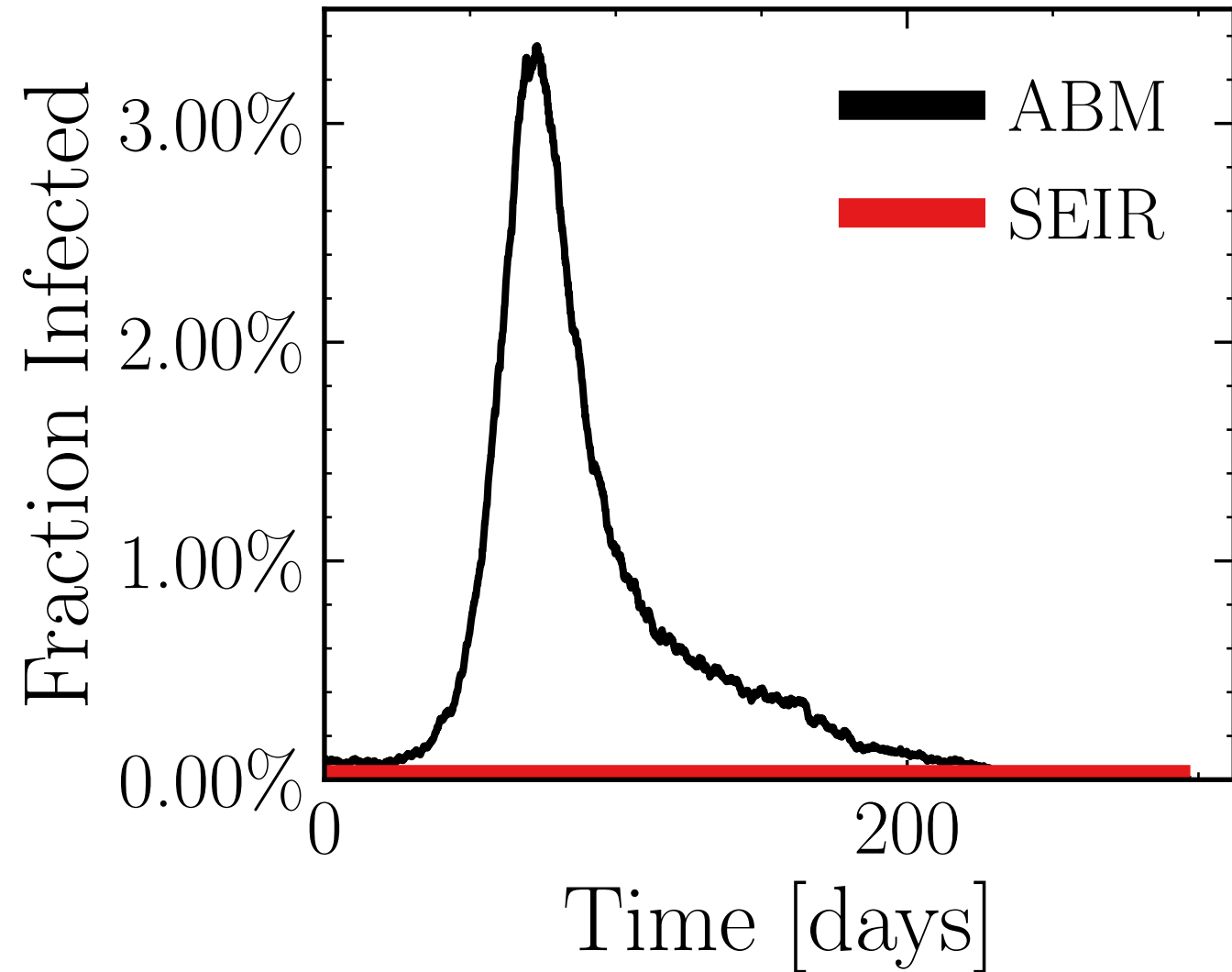
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.0$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#1$
 $I_{\text{peak}}^{\text{ABM}} = (58 \pm 0.0\%)$. $R_{\infty}^{\text{ABM}} = (416 \pm 0.0\%)$.



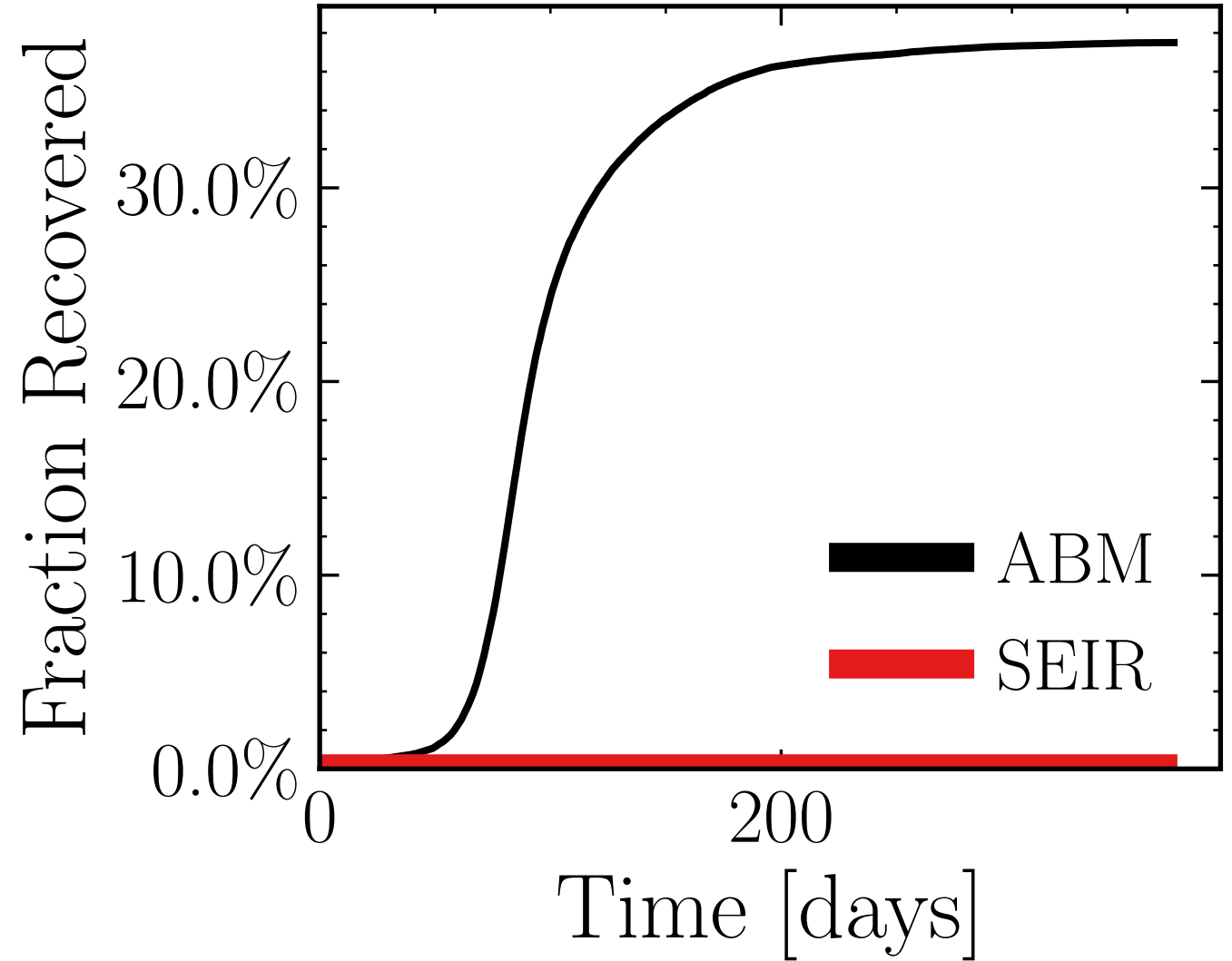
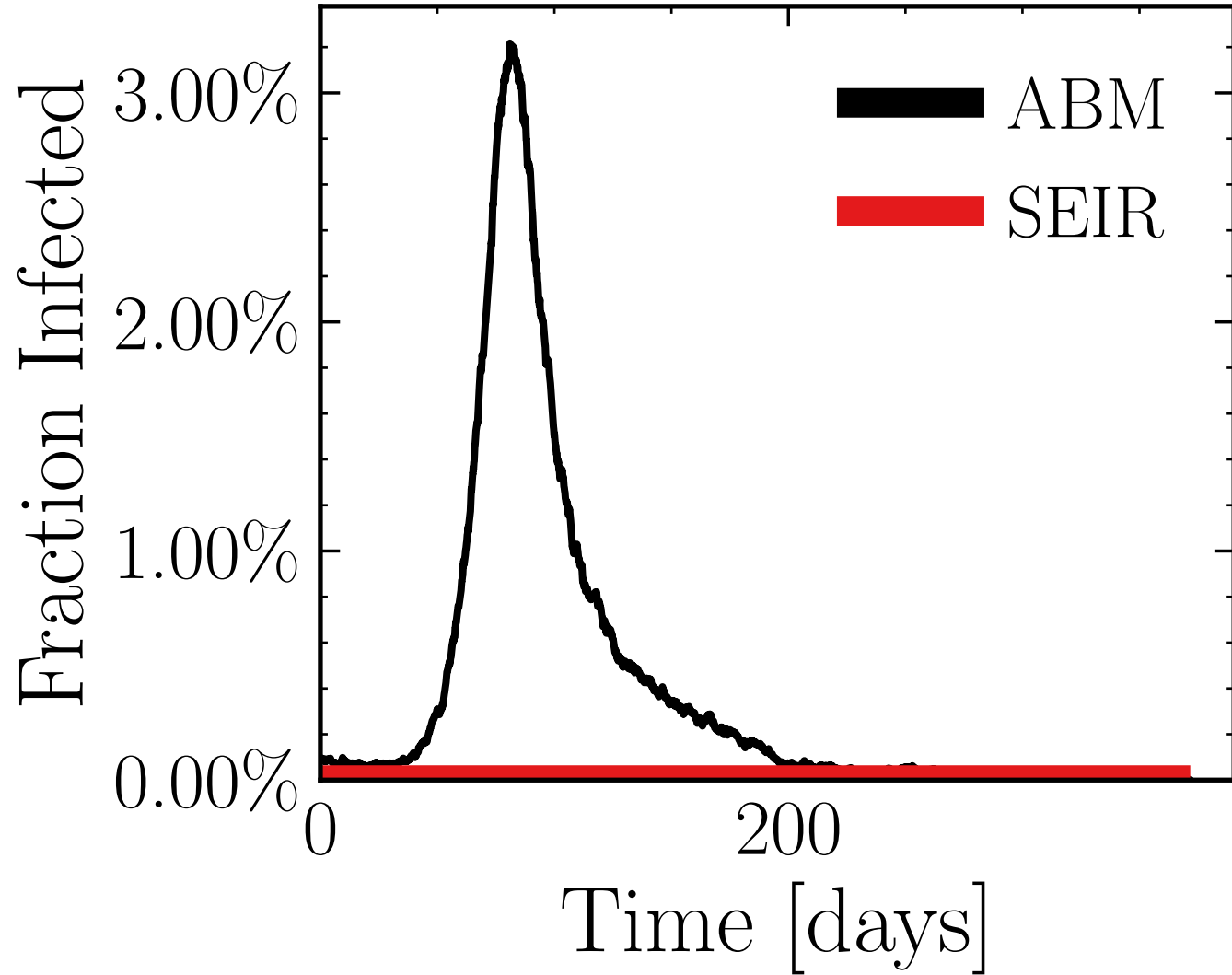
$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.008$, $\sigma_{\beta} = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, rand.inf. = True, w.rand.inf. = True, $N_{\text{connect}}^{\text{retries}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.4$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
do_int. = False, int. = [1, 4, 6], $f_{\text{dailytests}} = 0.01$, test_delay = [0, 0, 25], result_delay = [5, 10, 5]
chance_find.inf. = [0.0, 0.15, 0.15, 0.15, 0.0], days_look.back = 7, tracking_delay = 10, #1
 $I_{\text{peak}}^{\text{ABM}} = (1.158 \pm 0.0\%) \cdot 10^3$
 $R_{\infty}^{\text{ABM}} = (14.865 \pm 0.0\%) \cdot 10^3$



$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{retries}}^{\text{connect}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.4$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#1$
 $I_{\text{peak}}^{\text{ABM}} = (1.946 \pm 0.0\%) \cdot 10^3$
 $R_{\infty}^{\text{ABM}} = (23.154 \pm 0.0\%) \cdot 10^3$



$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_{\rho} = 0.04$, $\mu = 20.0$, $\sigma_{\mu} = 0.0$, $\beta = 0.008$, $\sigma_{\beta} = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{retries}}^{\text{connect}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.7$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#1$
 $I_{\text{peak}}^{\text{ABM}} = (1.866 \pm 0.0\%) \cdot 10^3$
 $R_{\infty}^{\text{ABM}} = (21.751 \pm 0.0\%) \cdot 10^3$



$N_{\text{tot}} = 58K$, $\rho = 0.1$, $\epsilon_\rho = 0.04$, $\mu = 20.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, $N_{\text{init}} = 0$
 $\lambda_E = 1.0$, $\lambda_I = 1.0$, $\text{rand.inf.} = \text{True}$, $\text{w.rand.inf.} = \text{True}$, $N_{\text{retries}}^{\text{connect}} = 0$, $f_{\text{work/other}} = 0.5$, $N_{\text{contacts}_{\text{max}}} = 0$, $N_{\text{init.UK.}} = 100$, $\beta_{\text{UK}} = 1.7$
 $N_{\text{events}} = 0$, $\text{event}_{\text{size}_{\text{max}}} = 10$, $\text{event}_{\text{size}_{\text{mean}}} = 5.0$, $\text{event}_{\beta_{\text{scaling}}} = 5.0$, $\text{event}_{\text{weekend}_{\text{multiplier}}} = 2.0$
 $\text{do}_{\text{int.}} = \text{False}$, $\text{int.} = [1, 4, 6]$, $f_{\text{dailytests}} = 0.01$, $\text{test}_{\text{delay}} = [0, 0, 25]$, $\text{result}_{\text{delay}} = [5, 10, 5]$
 $\text{chance}_{\text{find.inf.}} = [0.0, 0.15, 0.15, 0.15, 0.0]$, $\text{days}_{\text{look.back}} = 7$, $\text{tracking}_{\text{delay}} = 10$, $\#1$
 $I_{\text{peak}}^{\text{ABM}} = (2.979 \pm 0.0\%) \cdot 10^3$
 $R_{\infty}^{\text{ABM}} = (33.243 \pm 0.0\%) \cdot 10^3$

