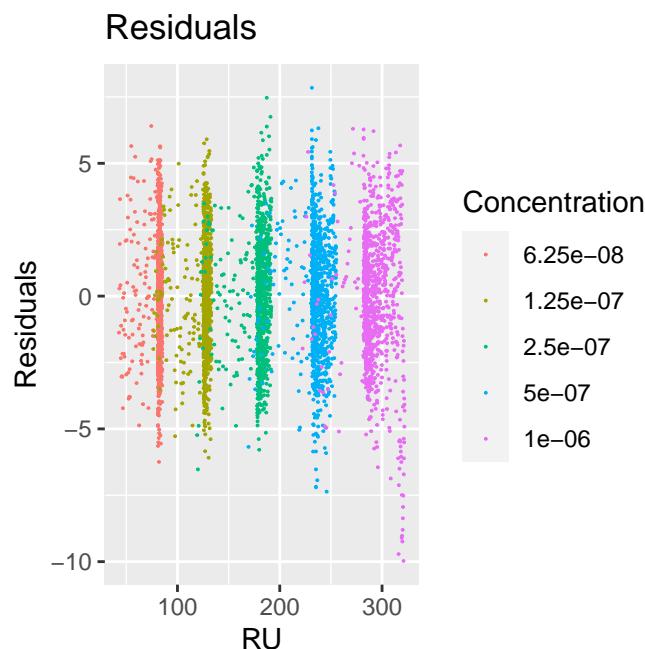
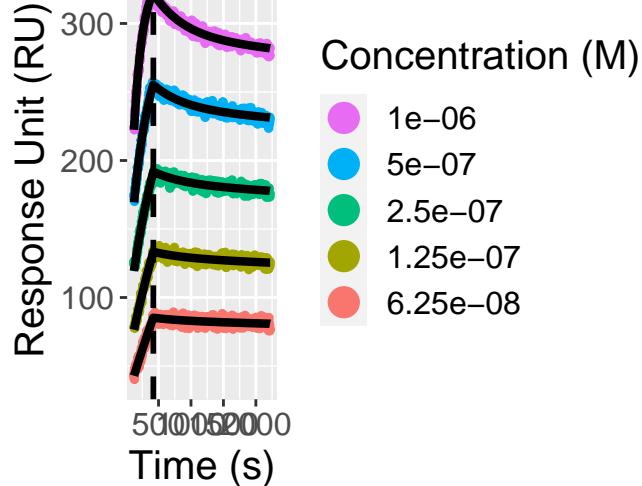


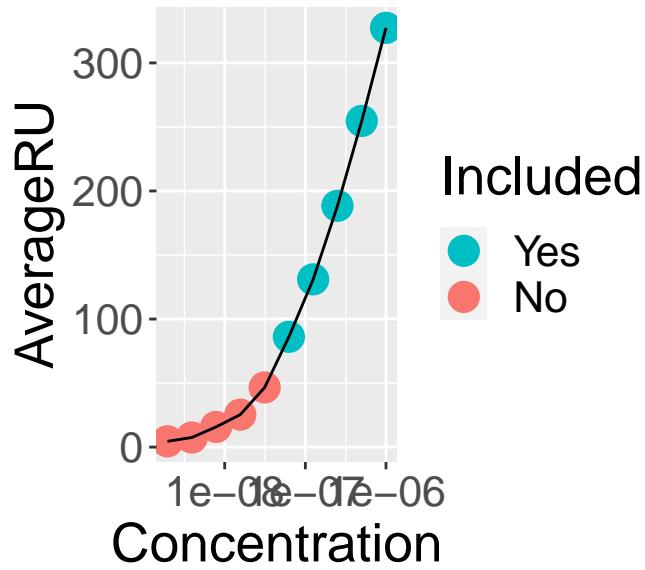
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



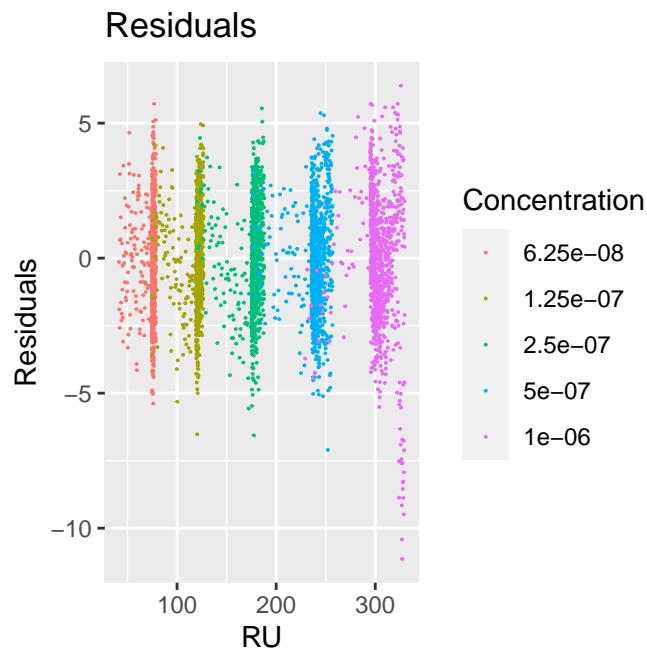
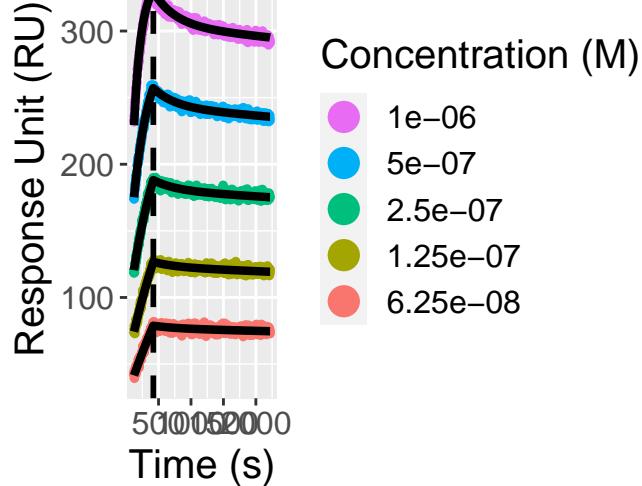
k_{a1}	1.83×10^3	3.48×10^1
k_{a2}	7.95×10^{-5}	2.08×10^{-6}
k_{d1}	2.09×10^{-3}	5.71×10^{-5}
k_{d2}	7.72×10^{-6}	5.03×10^{-7}
$R_{max} 1$	7.74×10^2	1.36×10^1
$R_{max} 2$	6.49×10^2	9.00×10^0
$R_{max} 3$	5.97×10^2	5.76×10^0
$R_{max} 4$	6.01×10^2	3.51×10^0
$R_{max} 5$	6.54×10^2	2.10×10^0
$t_0 1$	2.65×10^2	4.24×10^0
$t_0 2$	3.03×10^2	3.36×10^0
$t_0 3$	2.87×10^2	3.18×10^0
$t_0 4$	2.28×10^2	3.33×10^0

Average Response



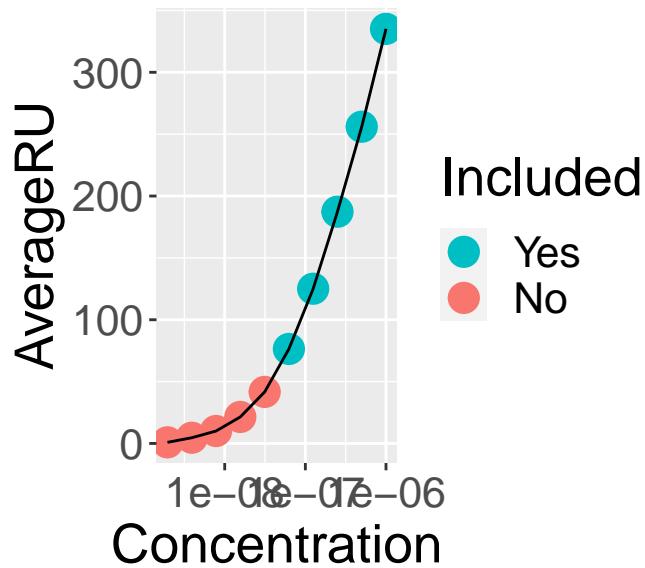
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



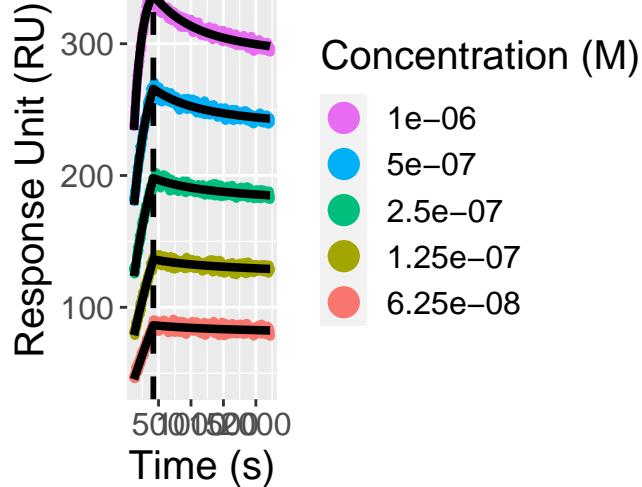
k_{a1}	2.16×10^3	3.24×10^1
k_{a2}	1.12×10^{-4}	2.59×10^{-6}
k_{d1}	2.99×10^{-3}	8.44×10^{-5}
k_{d2}	8.45×10^{-6}	3.75×10^{-7}
$R_{max} 1$	6.10×10^2	8.67×10^0
$R_{max} 2$	5.51×10^2	5.94×10^0
$R_{max} 3$	5.42×10^2	3.90×10^0
$R_{max} 4$	5.84×10^2	2.46×10^0
$R_{max} 5$	6.67×10^2	1.55×10^0
$t_0 1$	2.82×10^2	4.21×10^0
$t_0 2$	3.04×10^2	3.05×10^0
$t_0 3$	2.84×10^2	2.77×10^0
$t_0 4$	2.17×10^2	2.72×10^0

Average Response

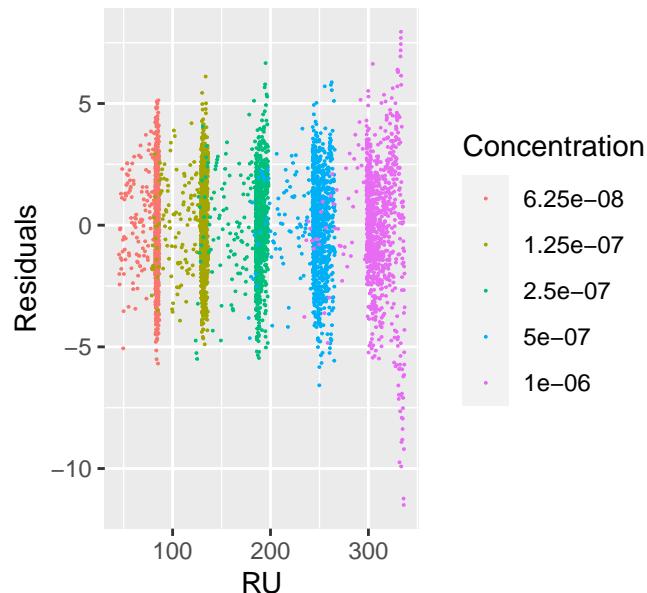


CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation

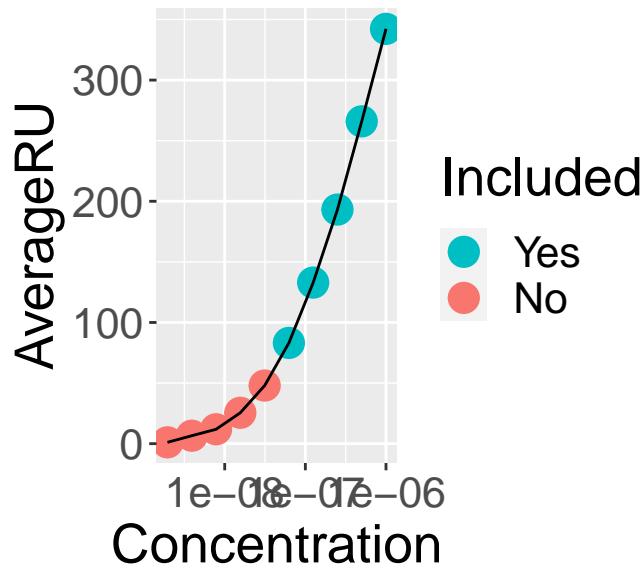


Residuals



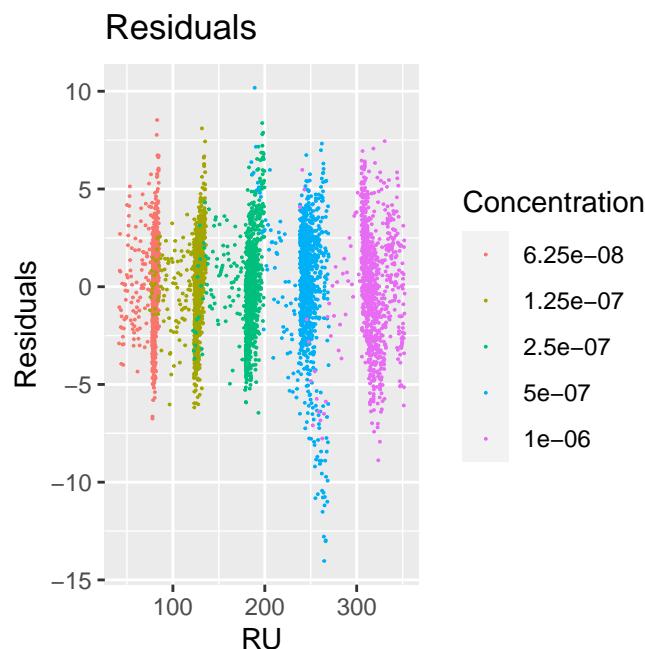
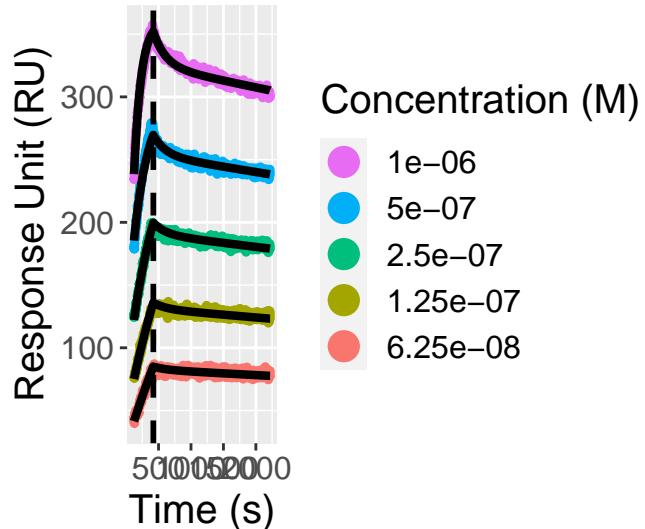
k_{a1}	2.03×10^{-3}	3.23×10^{-1}
k_{a2}	9.03×10^{-5}	2.16×10^{-6}
k_{d1}	1.76×10^{-3}	4.87×10^{-5}
k_{d2}	6.54×10^{-6}	4.93×10^{-7}
$R_{max} 1$	6.93×10^2	1.01×10^1
$R_{max} 2$	6.13×10^2	6.84×10^0
$R_{max} 3$	5.83×10^2	4.38×10^0
$R_{max} 4$	6.05×10^2	2.64×10^0
$R_{max} 5$	6.73×10^2	1.59×10^0
$t_0 1$	2.83×10^2	4.14×10^0
$t_0 2$	3.00×10^2	3.01×10^0
$t_0 3$	2.77×10^2	2.76×10^0
$t_0 4$	2.17×10^2	2.81×10^0

Average Response



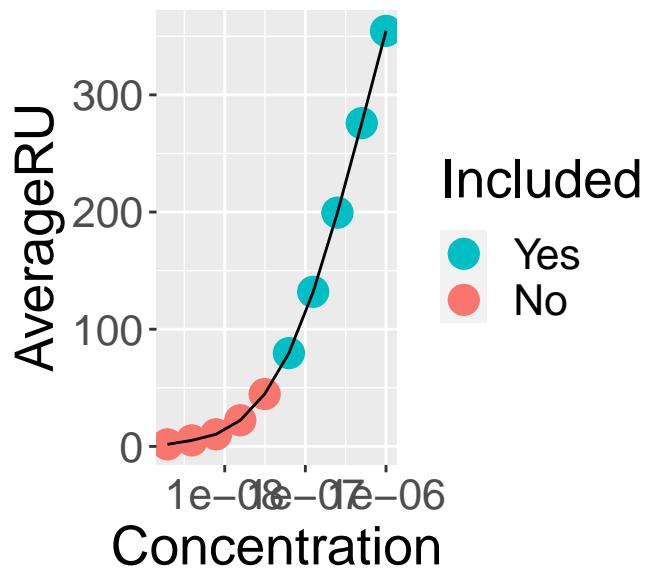
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



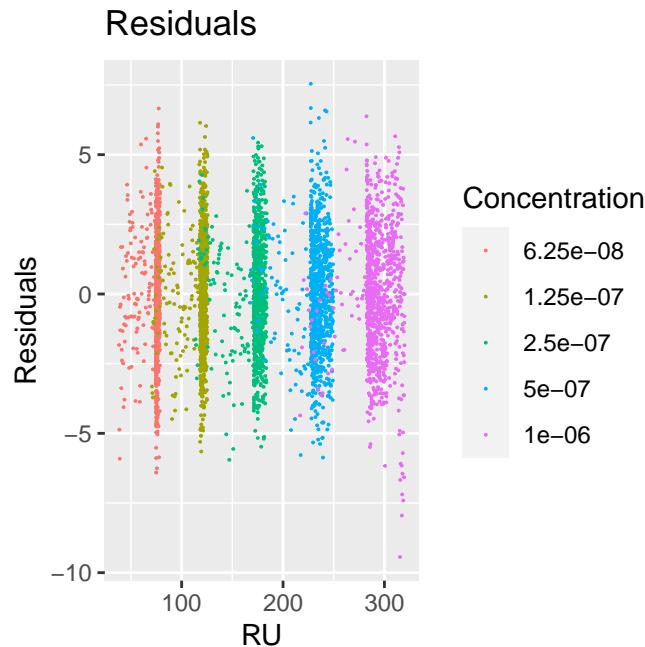
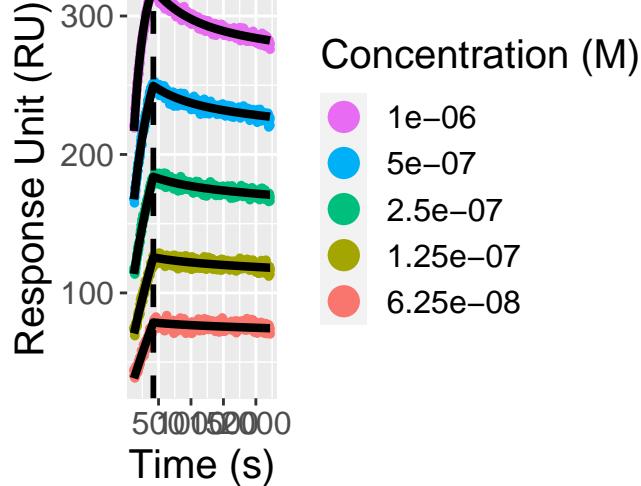
k_{a1}	2.27×10^3	3.96×10^1
k_{a2}	8.95×10^{-5}	2.54×10^{-6}
k_{d1}	5.38×10^{-3}	1.69×10^{-4}
k_{d2}	1.75×10^{-5}	3.36×10^{-7}
R_{max} 1	6.96×10^2	1.20×10^1
R_{max} 2	6.22×10^2	8.45×10^0
R_{max} 3	5.99×10^2	5.77×10^0
R_{max} 4	6.25×10^2	3.64×10^0
R_{max} 5	7.27×10^2	2.56×10^0
t_0 1	2.41×10^2	4.47×10^0
t_0 2	2.66×10^2	3.28×10^0
t_0 3	2.52×10^2	2.98×10^0
t_0 4	2.14×10^2	3.24×10^0

Average Response



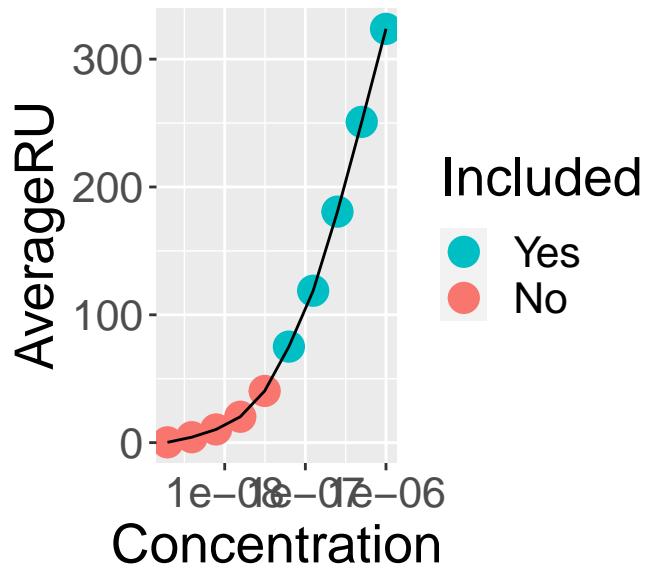
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



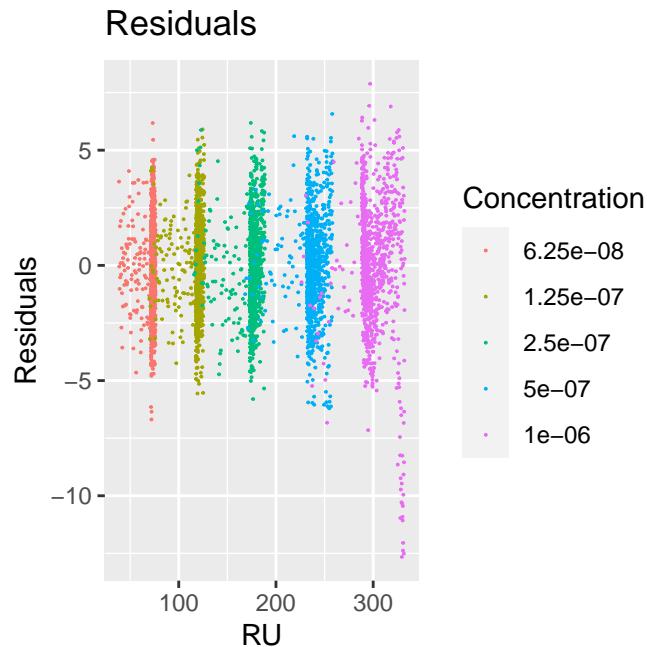
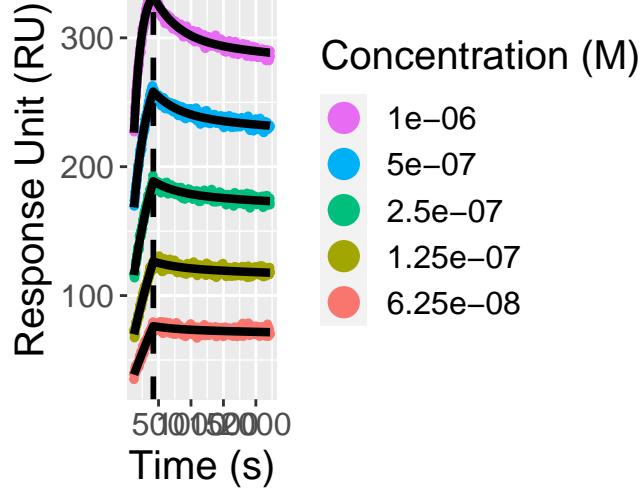
k_{a1}	1.61×10^3	3.09×10^1
k_{a2}	8.24×10^{-5}	2.33×10^{-6}
k_{d1}	1.83×10^{-3}	5.70×10^{-5}
k_{d2}	9.60×10^{-6}	5.11×10^{-7}
$R_{max} 1$	8.11×10^2	1.47×10^1
$R_{max} 2$	6.74×10^2	9.80×10^0
$R_{max} 3$	6.08×10^2	6.26×10^0
$R_{max} 4$	6.04×10^2	3.75×10^0
$R_{max} 5$	6.61×10^2	2.35×10^0
$t_0 1$	2.53×10^2	4.09×10^0
$t_0 2$	3.01×10^2	3.24×10^0
$t_0 3$	2.98×10^2	3.12×10^0
$t_0 4$	2.53×10^2	3.49×10^0

Average Response



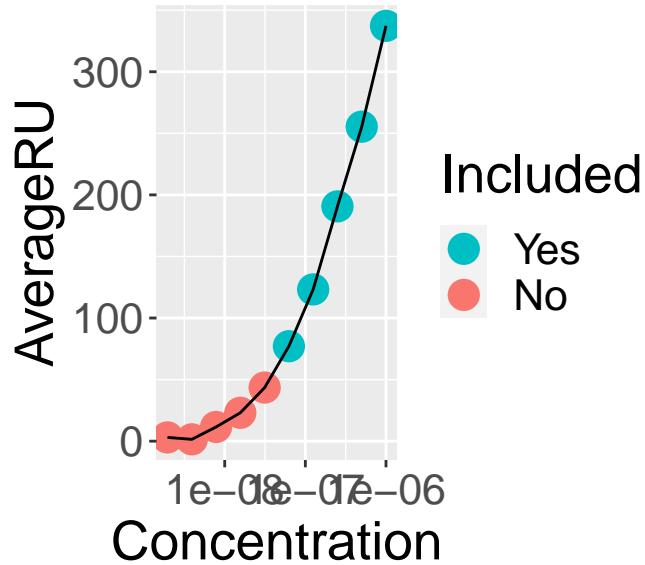
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



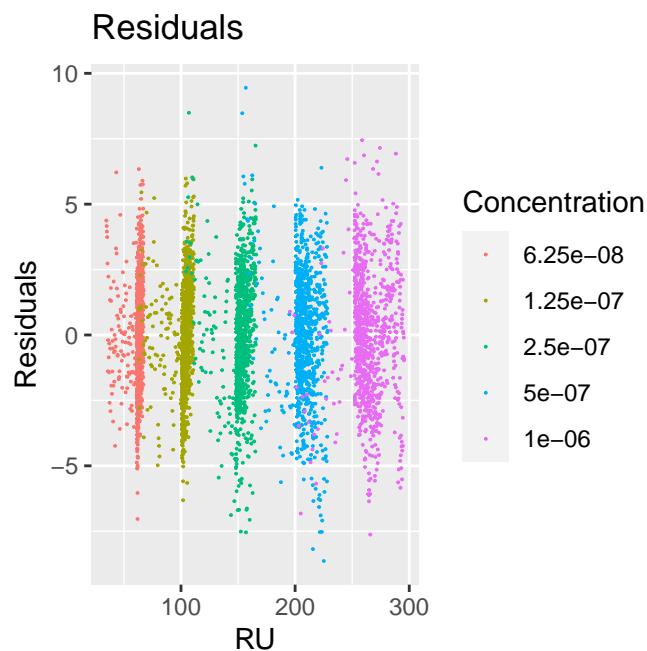
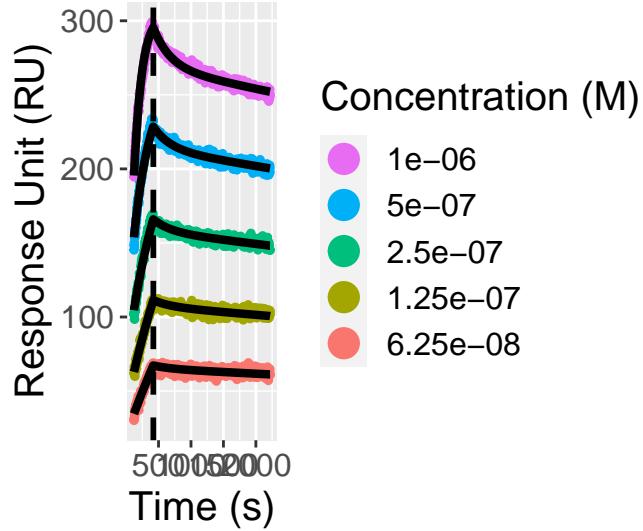
k_{a1}	2.23×10^{-3}	3.41×10^{-1}
k_{a2}	8.19×10^{-5}	1.77×10^{-6}
k_{d1}	2.52×10^{-3}	6.00×10^{-5}
k_{d2}	7.39×10^{-6}	4.84×10^{-7}
$R_{max} 1$	5.96×10^2	8.83×10^0
$R_{max} 2$	5.62×10^2	6.30×10^0
$R_{max} 3$	5.47×10^2	4.11×10^0
$R_{max} 4$	5.85×10^2	2.62×10^0
$R_{max} 5$	6.63×10^2	1.62×10^0
$t_0 1$	2.60×10^2	4.55×10^0
$t_0 2$	2.68×10^2	2.98×10^0
$t_0 3$	2.56×10^2	2.66×10^0
$t_0 4$	1.94×10^2	2.55×10^0

Average Response

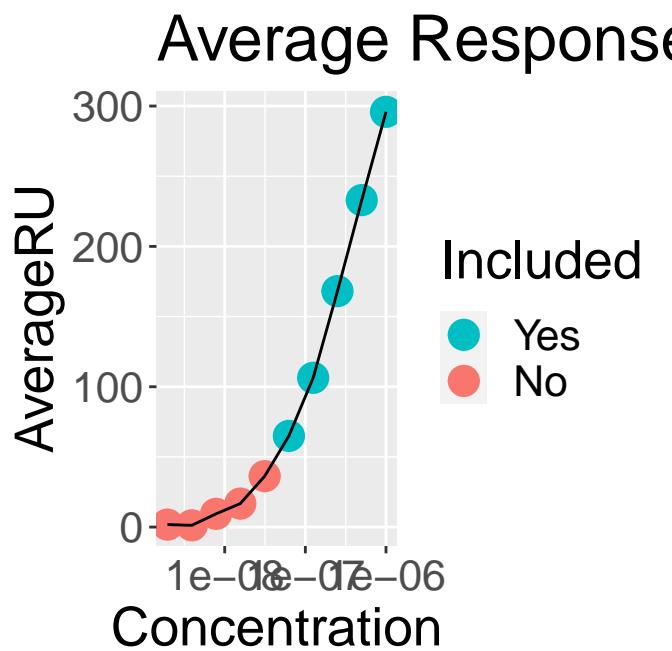


CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation

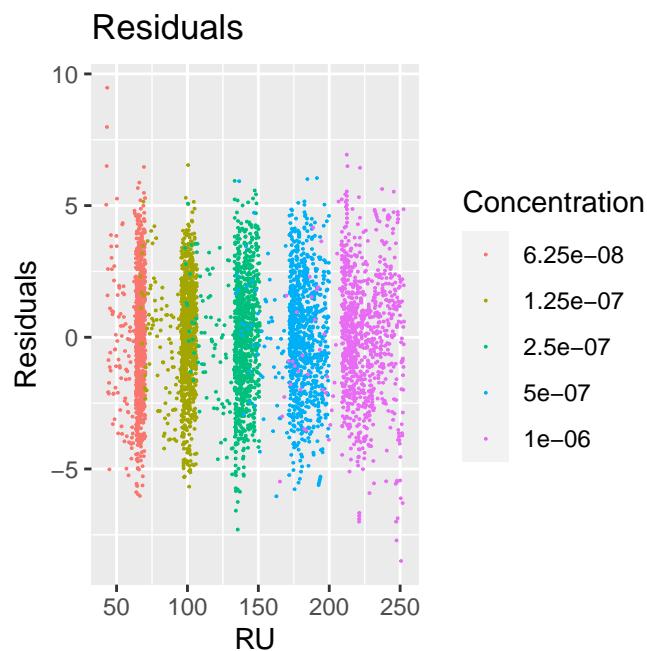
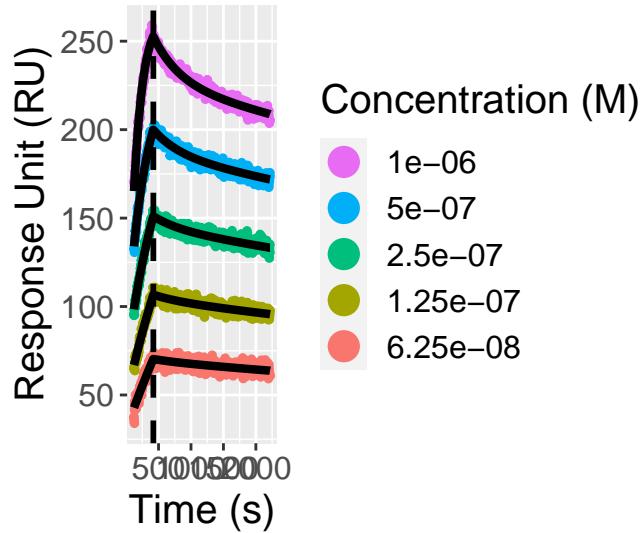


k_{a1}	2.02×10^3	3.68×10^1
k_{a2}	9.09×10^{-5}	2.42×10^{-6}
k_{d1}	3.86×10^{-3}	1.11×10^{-4}
k_{d2}	1.79×10^{-5}	4.18×10^{-7}
R_{max} 1	5.76×10^2	1.05×10^1
R_{max} 2	5.34×10^2	7.58×10^0
R_{max} 3	5.08×10^2	5.03×10^0
R_{max} 4	5.38×10^2	3.31×10^0
R_{max} 5	6.10×10^2	2.25×10^0
t_0 1	2.71×10^2	5.40×10^0
t_0 2	2.86×10^2	3.63×10^0
t_0 3	2.83×10^2	3.32×10^0
t_0 4	2.21×10^2	3.29×10^0



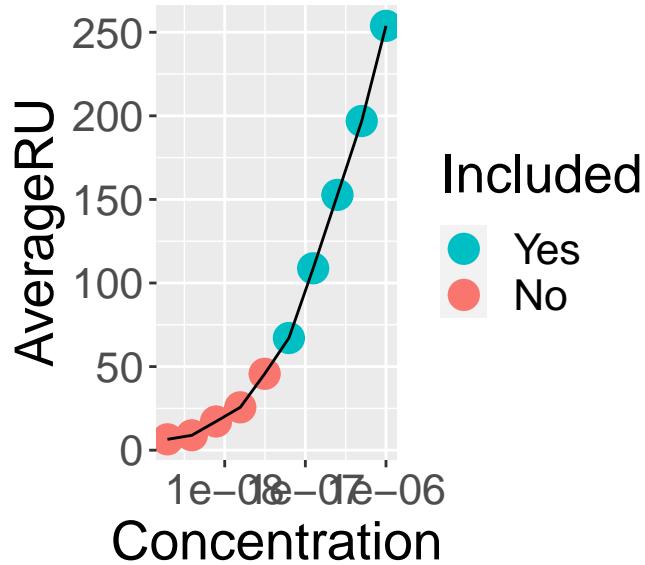
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



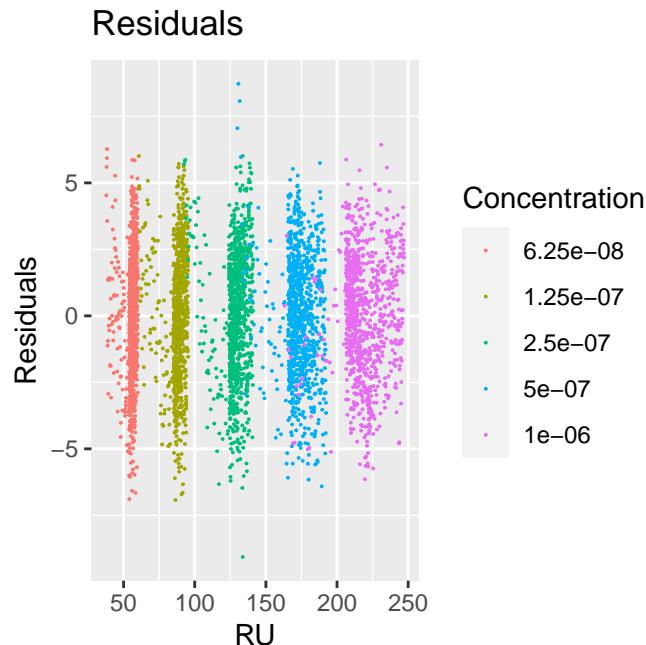
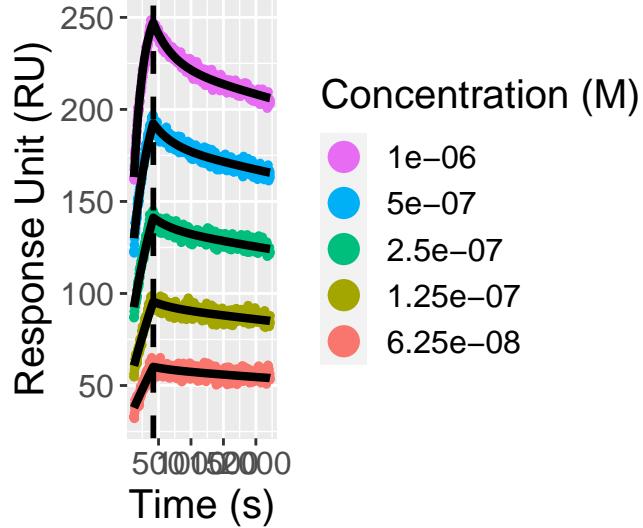
k_{a1}	1.75×10^{-3}	3.99×10^{-1}
k_{a2}	8.53×10^{-5}	2.61×10^{-6}
k_{d1}	2.46×10^{-3}	7.00×10^{-5}
k_{d2}	2.26×10^{-5}	5.36×10^{-7}
R_{max} 1	5.62×10^2	1.20×10^1
R_{max} 2	5.03×10^2	8.35×10^0
R_{max} 3	4.73×10^2	5.58×10^0
R_{max} 4	4.79×10^2	3.61×10^0
R_{max} 5	5.21×10^2	2.37×10^0
t_0 1	3.95×10^2	7.83×10^0
t_0 2	3.71×10^2	5.18×10^0
t_0 3	3.22×10^2	4.33×10^0
t_0 4	2.39×10^2	4.11×10^0

Average Response

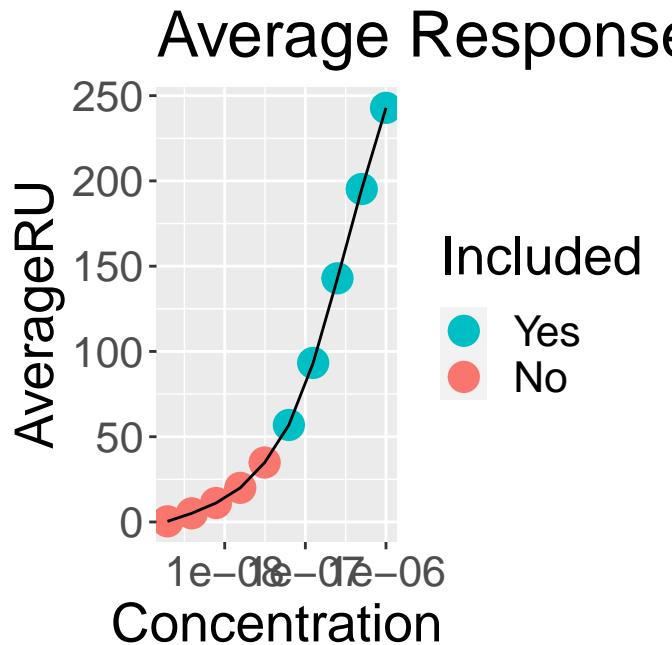


CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation

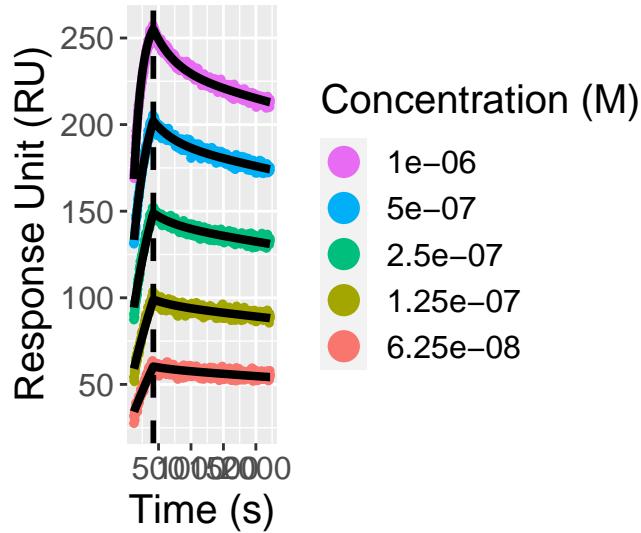


k_{a1}	1.72e+03	4.35e+01
k_{a2}	9.29e-05	3.22e-06
k_{d1}	3.30e-03	1.13e-04
k_{d2}	2.34e-05	5.37e-07
R_{max} 1	4.78e+02	1.18e+01
R_{max} 2	4.58e+02	8.77e+00
R_{max} 3	4.51e+02	6.21e+00
R_{max} 4	4.69e+02	4.18e+00
R_{max} 5	5.18e+02	2.83e+00
t_0 1	4.31e+02	1.05e+01
t_0 2	3.85e+02	6.17e+00
t_0 3	3.29e+02	4.87e+00
t_0 4	2.47e+02	4.64e+00



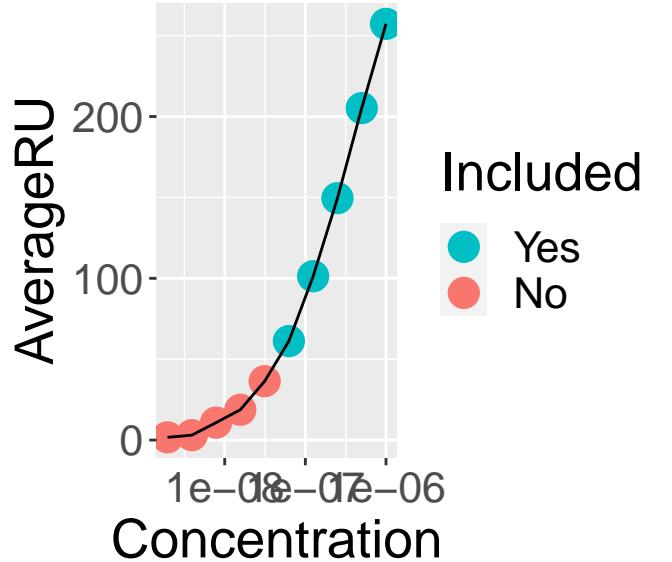
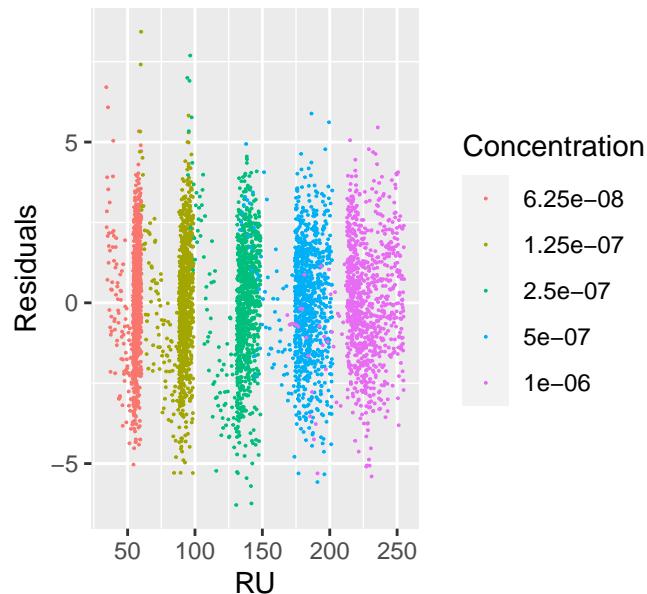
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



k_{a1}	$1.98e+03$	$3.46e+01$
k_{a2}	$1.04e-04$	$2.60e-06$
k_{d1}	$2.99e-03$	$7.90e-05$
k_{d2}	$2.33e-05$	$4.30e-07$
$R_{max} 1$	$4.74e+02$	$8.10e+00$
$R_{max} 2$	$4.53e+02$	$5.87e+00$
$R_{max} 3$	$4.50e+02$	$4.03e+00$
$R_{max} 4$	$4.73e+02$	$2.64e+00$
$R_{max} 5$	$5.21e+02$	$1.69e+00$
$t_0 1$	$3.32e+02$	$6.19e+00$
$t_0 2$	$3.23e+02$	$3.88e+00$
$t_0 3$	$2.88e+02$	$3.19e+00$
$t_0 4$	$2.15e+02$	$3.02e+00$

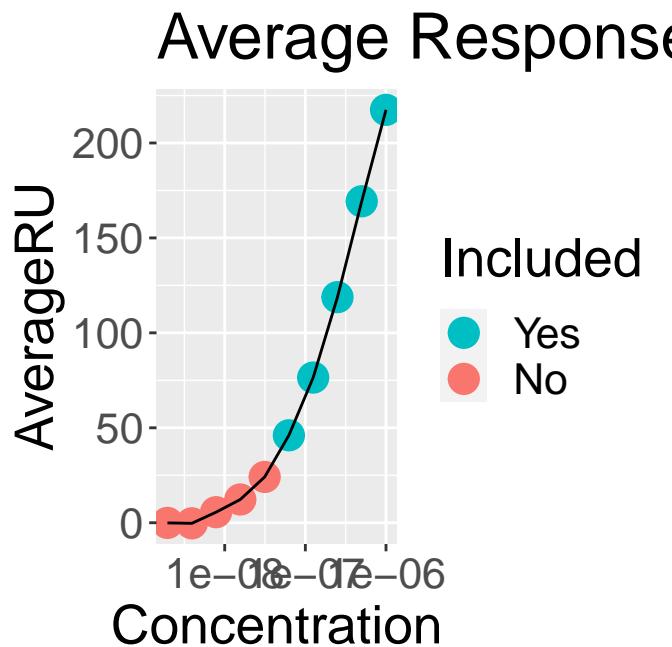
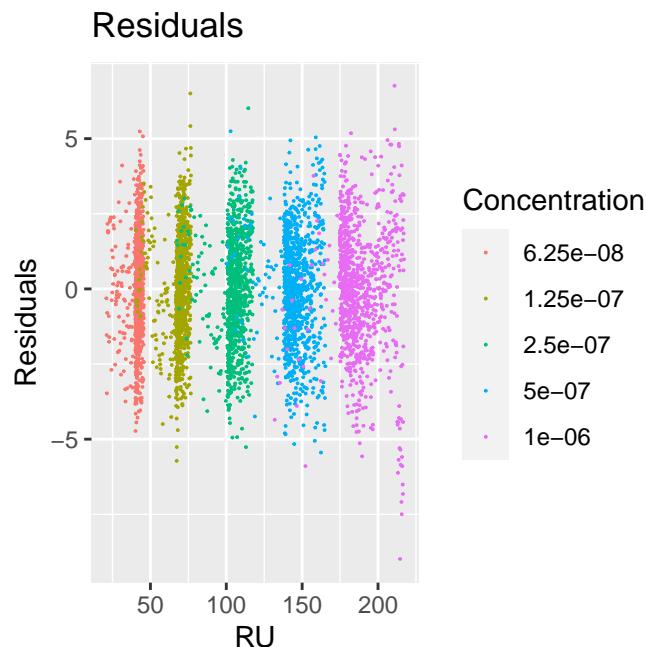
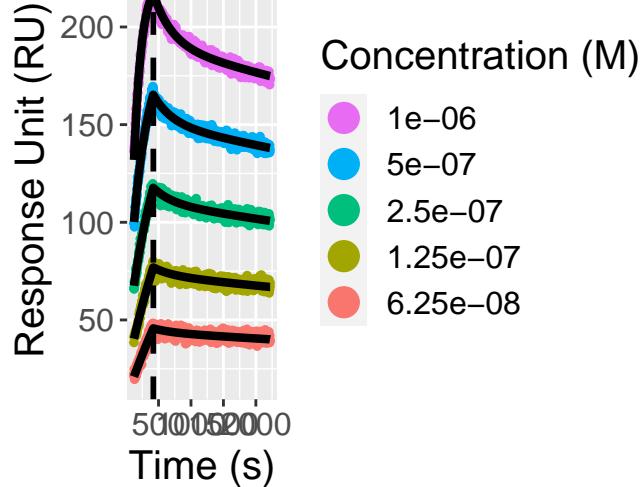
Average Response



CH31 mAb binding to CH50 T/F gp120

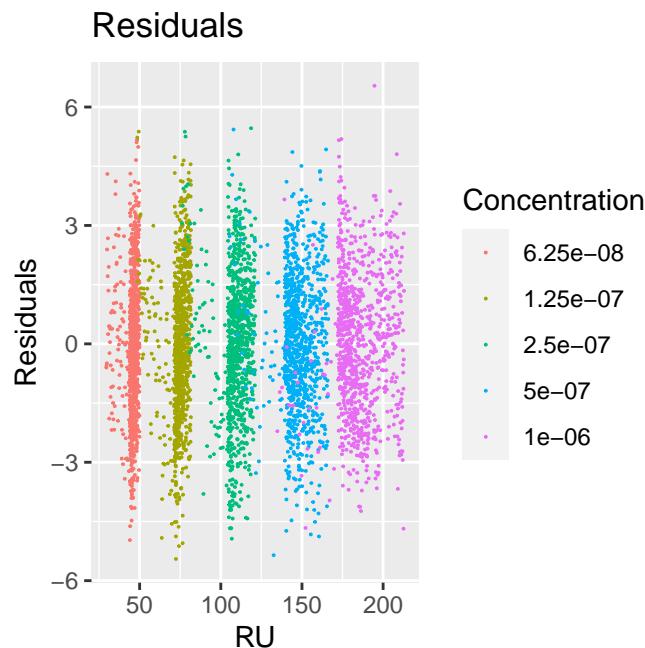
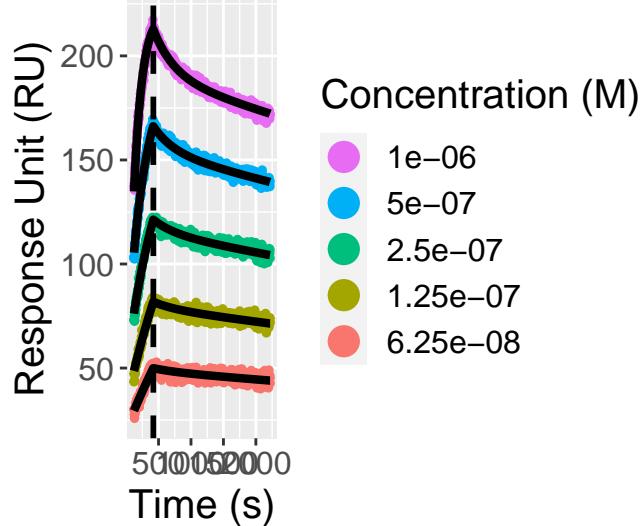
Bivalent Analyte Model with Extended Length of Dissociation

k_{a1}	1.2×10^{-3}	3.55×10^{-1}
k_{a2}	9.56×10^{-5}	2.25×10^{-6}
k_{d1}	3.48×10^{-3}	8.62×10^{-5}
k_{d2}	2.43×10^{-5}	5.37×10^{-7}
R_{max} 1	4.12×10^2	7.31×10^0
R_{max} 2	3.79×10^2	5.20×10^0
R_{max} 3	3.71×10^2	3.64×10^0
R_{max} 4	3.94×10^2	2.49×10^0
R_{max} 5	4.44×10^2	1.68×10^0
t_0 1	2.18×10^2	5.32×10^0
t_0 2	2.45×10^2	3.59×10^0
t_0 3	2.30×10^2	2.76×10^0
t_0 4	1.75×10^2	2.51×10^0



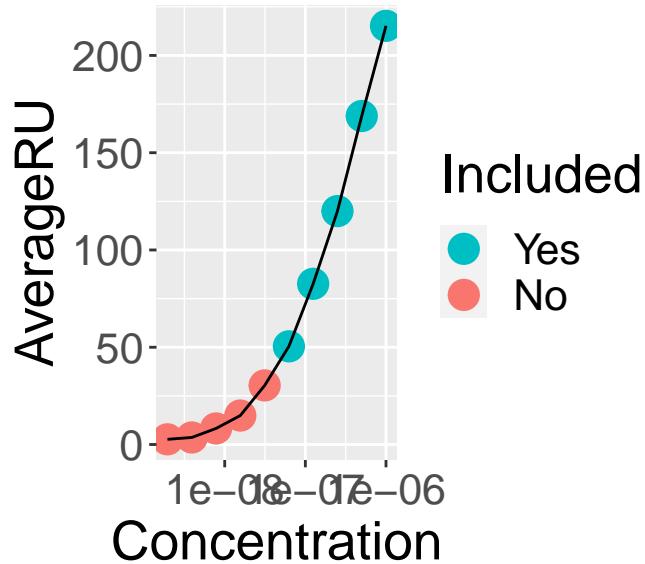
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



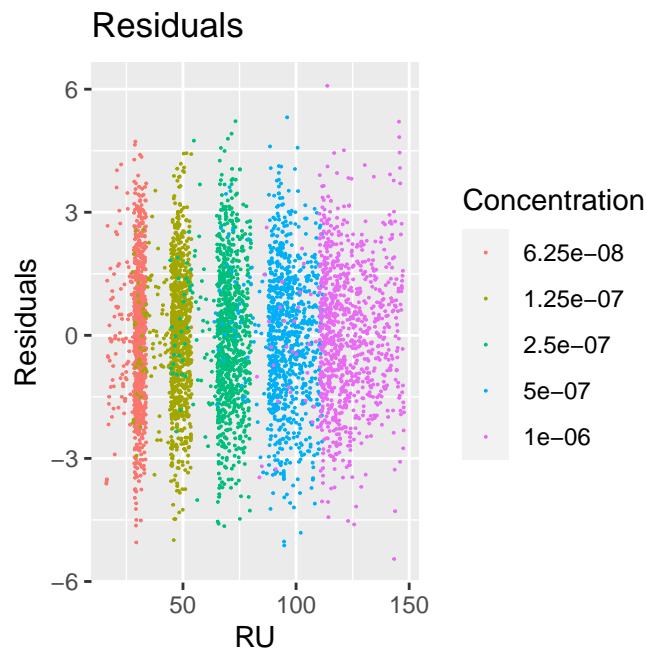
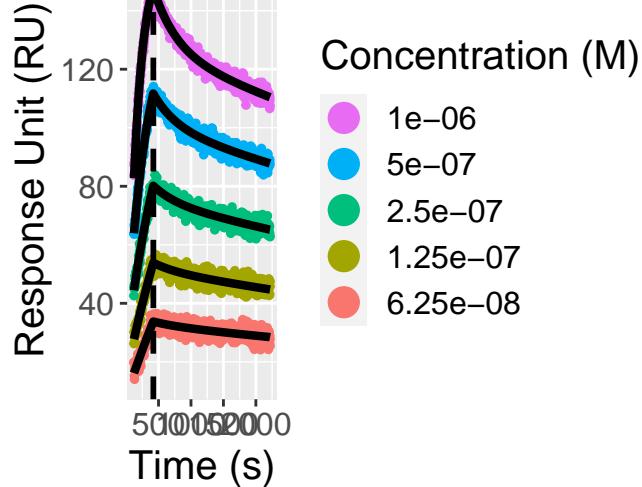
k_{a1}	1.91e+03	3.62e+01
k_{a2}	1.04e-04	2.75e-06
k_{d1}	3.15e-03	8.39e-05
k_{d2}	2.82e-05	4.94e-07
R_{max} 1	3.94e+02	7.54e+00
R_{max} 2	3.89e+02	5.67e+00
R_{max} 3	3.79e+02	3.91e+00
R_{max} 4	4.00e+02	2.71e+00
R_{max} 5	4.39e+02	1.77e+00
t_0 1	3.64e+02	7.84e+00
t_0 2	3.22e+02	4.39e+00
t_0 3	2.87e+02	3.49e+00
t_0 4	2.03e+02	3.06e+00

Average Response



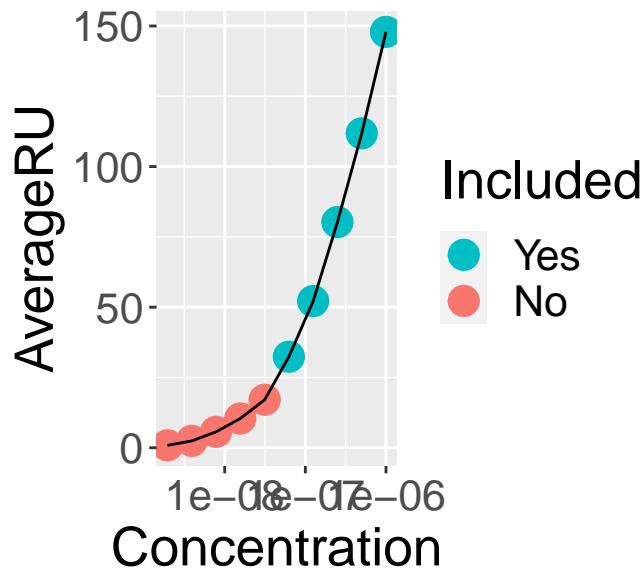
CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



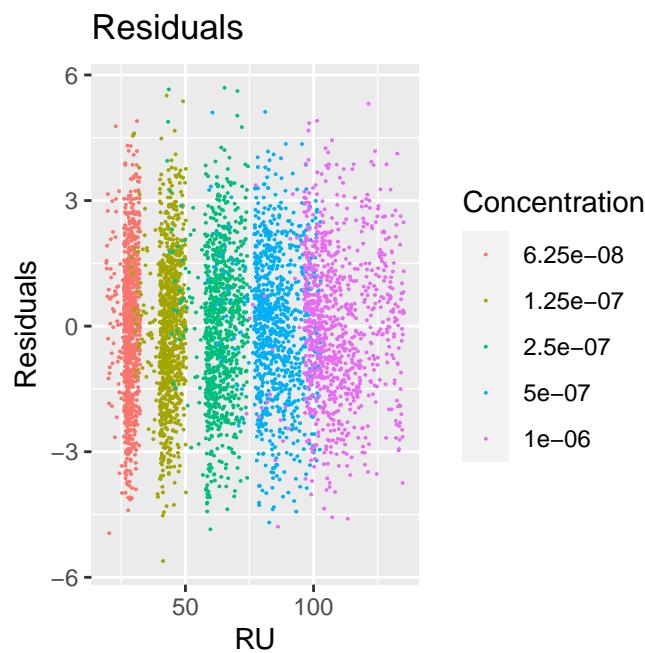
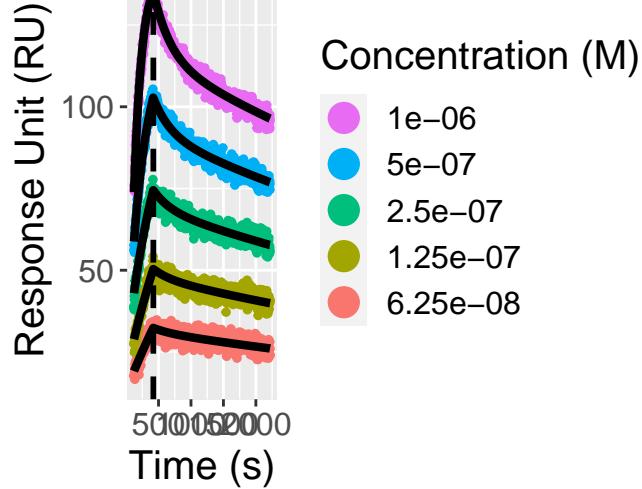
k_{a1}	1.62e+03	3.95e+01
k_{a2}	9.45e-05	2.97e-06
k_{d1}	2.83e-03	7.88e-05
k_{d2}	3.81e-05	7.80e-07
R_{max} 1	3.70e+02	9.36e+00
R_{max} 2	3.23e+02	6.69e+00
R_{max} 3	2.95e+02	4.66e+00
R_{max} 4	2.94e+02	3.22e+00
R_{max} 5	3.15e+02	2.20e+00
t_0 1	2.41e+02	7.17e+00
t_0 2	2.51e+02	4.73e+00
t_0 3	2.38e+02	3.64e+00
t_0 4	1.85e+02	3.31e+00

Average Response



CH31 mAb binding to CH50 T/F gp120

Bivalent Analyte Model with Extended Length of Dissociation



k_{a1}	2.05×10^3	4.61×10^1
k_{a2}	1.11×10^{-4}	3.37×10^{-6}
k_{d1}	3.80×10^{-3}	1.07×10^{-4}
k_{d2}	4.90×10^{-5}	7.62×10^{-7}
$R_{max} 1$	2.54×10^2	6.29×10^0
$R_{max} 2$	2.47×10^2	4.67×10^0
$R_{max} 3$	2.44×10^2	3.45×10^0
$R_{max} 4$	2.55×10^2	2.51×10^0
$R_{max} 5$	2.81×10^2	1.77×10^0
$t_0 1$	3.59×10^2	1.16×10^1
$t_0 2$	2.92×10^2	6.12×10^0
$t_0 3$	2.34×10^2	3.95×10^0
$t_0 4$	1.60×10^2	3.10×10^0

Average Response

