

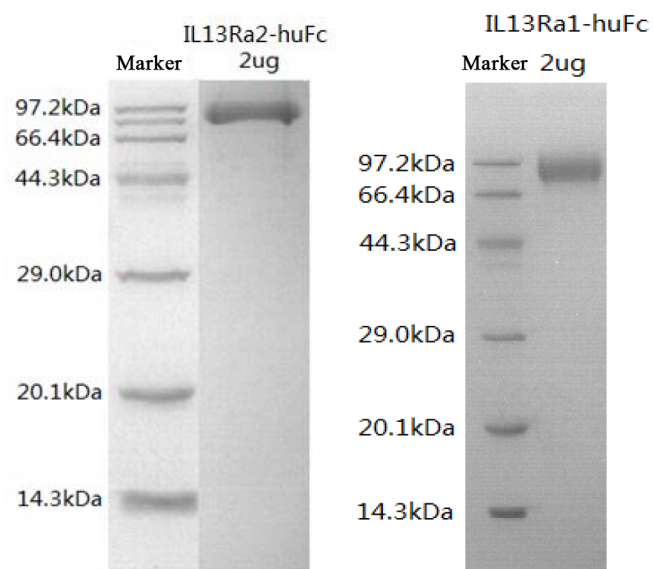


Figure 1

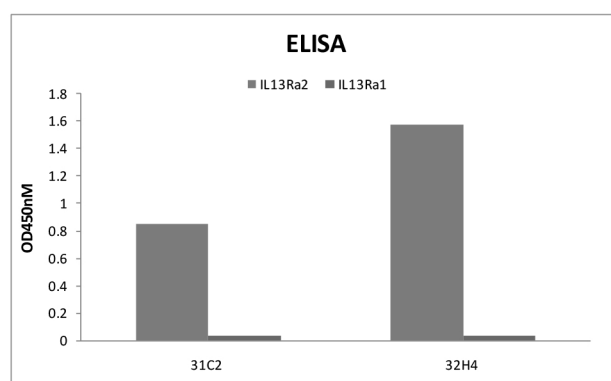


Figure 2

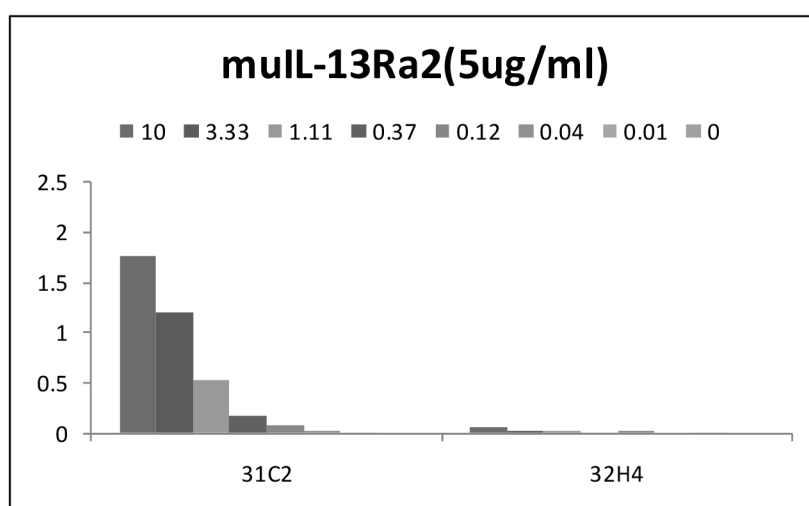


Figure 3

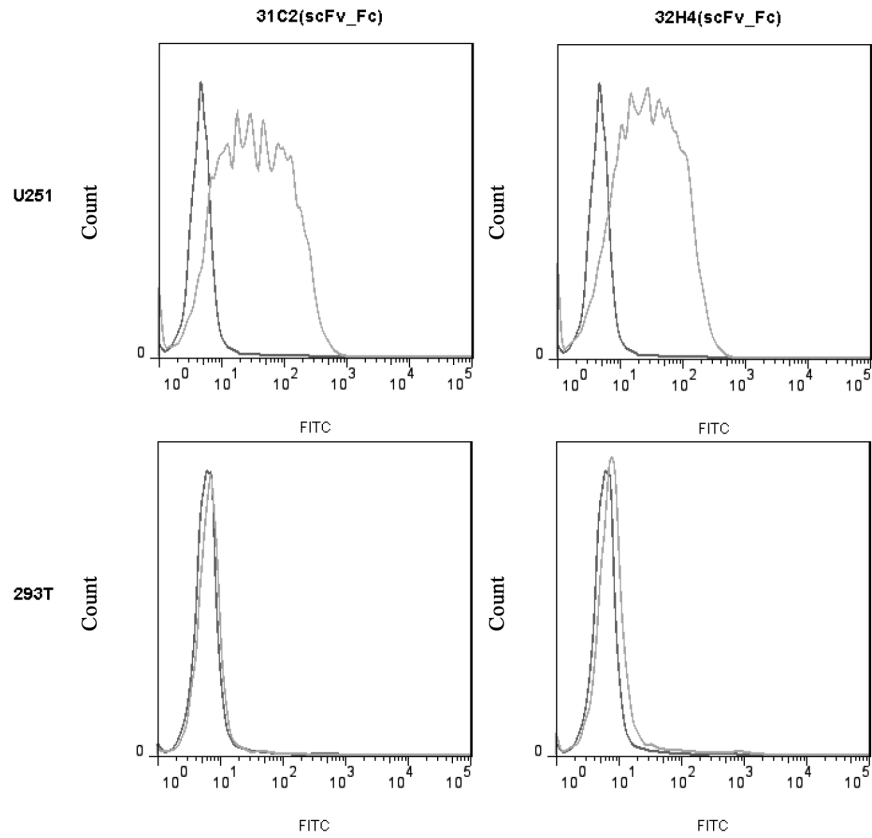


Figure 4

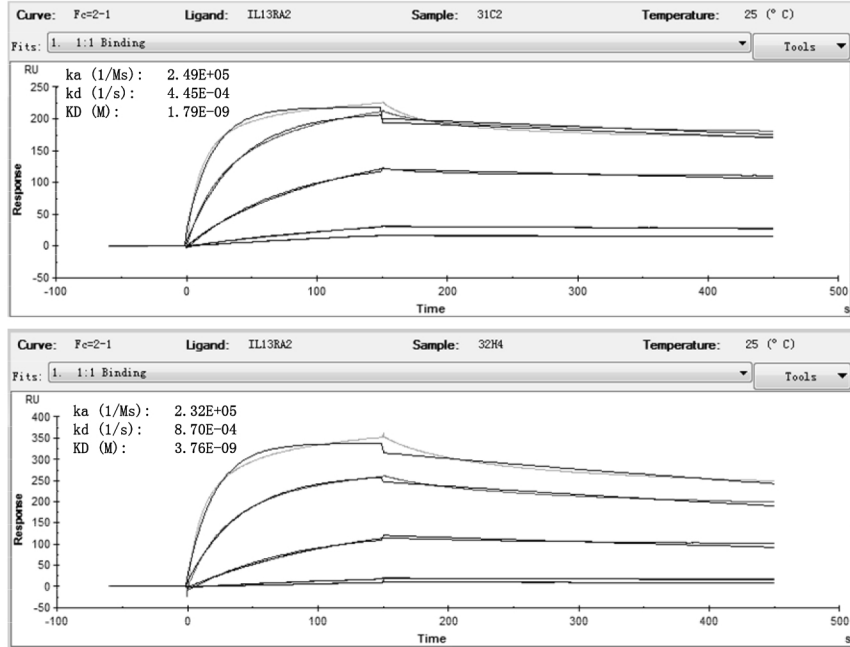


Figure 5

31C2 H EVQLLES GGGGLVQPGGSLRLSCAASGFTFSSYAMS WVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTI
 2C7 EVQLLES GGGGLVQPGGSLRLSCAASGFTFKLPAMSWVRQAPGKGLEWVSAITGSGGSTYYADSVKGRFTI
 2D3 EVQLLES GGGGLVQPGGSLRLSCAASGFTFRRPAMTWVRQAPGKGLEWVSAITGSGGSTYYADSVKGRFTI
 1D11 EVQLLES GGGGLVQPGGSLRLSCAASGFTFGTIPMSWVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTI
 1B11 EVQLLES GGGGLVQPGGSLRLSCAASGFTFSRDA LNWVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTI
 2A5 EVQLLES GGGGLVQPGGSLRLSCAASGFTFSRYA MNWVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTI
 2D4 EVQLLES GGGGLVQPGGSLRLSCAASGFTFRKYA MGWVRQAPGKGLEWVSGISGSGGSTYYADSVKGRFTI
 1H7 EVQLLES GGGGLVQPGGSLRLSCAASGFTFRRYA MSWVRQAPGKGLEWVSGISGSGGSTYYADSVKGRFTI
 1D8 EVQLLES GGGGLVQPGGSLRLSCAASGFTFSRYA MNWVRQAPGKGLEWVSAINASGGSTYYADSVKGRFTI

31C2 H SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 2C7 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 2D3 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 1D11 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 1B11 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 2A5 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 2D4 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 1H7 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS
 1D8 SRDNSKNTLYLQMNSLRAEDTAVYYCAKVR YGWGAGAFDYWGQGT LVT VSS

Figure 9A

Clone	HCDR1	Sequence	HCDR2	Sequence
31C2	SSYAMS	SEQ ID NO:9	AISGSGGSTYYADSVKG	SEQ ID NO:10
2C7	KLPAMS	SEQ ID NO:45	AITGSGGSTYYADSVKG	SEQ ID NO:52
2D3	RRPAMT	SEQ ID NO:46	AITGSGGSTYYADSVKG	SEQ ID NO:52
1D11	GTIPMS	SEQ ID NO:47	SISGSAGSTYYADSVKG	SEQ ID NO:53
1B11	SRDALN	SEQ ID NO:48	AISGSGGSTFYADSVKG	SEQ ID NO:54
2A5	SRYAMN	SEQ ID NO:49	AISASGGSTYYADSVKG	SEQ ID NO:55
2D4	RKYAMG	SEQ ID NO:50	GISGSGGSTYYADSVKG	SEQ ID NO:56
1H7	RRYAMS	SEQ ID NO:51	GISGSGGSTYYADSVKG	SEQ ID NO:57
1D8	SRYAMN	SEQ ID NO:49	AINASGGSTYYADSVKG	SEQ ID NO:58

Figure 9B

32H4 VH EVQLLES GGGGLVQPGGSLRLSCAASGFTFSSYAMS WVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTI
 5G3 EVQLLES GGGGLVQPGGSLRLSCAASGFTFSYVLSWVRQAPGKGLEWVSAIRGSAGNTYYADSVKGRFTI
 5D7 EVQLLES GGGGLVQPGGSLRLSCAASGFTFSNYAMS WVRQAPGKGLEWVSGIRSSGGRTFYADSVKGRFTI

32H4 VH SRDNSKNTLYLQMNSLRAEDTAVYYCARVAFSGSFDYWGQGT LVT VSS
 5G3 SRDNSKNTLYLQMNSLRAEDTAVYYCARVAFSGSFDYWGQGT LVT VSS
 5D7 SRDNSKNTLYLQMNSLRAEDTAVYYCARVAFSGSFDYWGQGT LVT VSS

Figure 9C

Clone	HCDR1	Sequence	HCDR2	Sequence
32H4 VH	SSYAMS	SEQ ID NO:9	AISGSGGSTYYADSVKG	SEQ ID NO:10
5G3	SSYVLS	SEQ ID NO:63	AIRGSAGNTYYADSVKG	SEQ ID NO:65
5D7	SNYAMS	SEQ ID NO:64	GIRSSGGRTFYADSVKG	SEQ ID NO:66

Figure 9D

Clone	ka (1/Ms)	kd (1/s)	KD (M)	Notes
5D7	8.22E+04	4.43E-04	5.40E-09	Parent clone 32H4
2C7	7.57E+04	4.10E-04	5.42E-09	Parent clone 31C2
5G3	7.03E+04	5.86E-04	8.34E-09	Parent clone 32H4
2D4	8.35E+04	7.45E-04	8.92E-09	Parent clone 31C2
1D11	3.90E+04	3.86E-04	9.89E-09	Parent clone 31C2
2D3	4.47E+04	4.55E-04	1.02E-08	Parent clone 31C2
1H7	6.32E+04	7.65E-04	1.21E-08	Parent clone 31C2
1D8	6.60E+04	9.11E-04	1.38E-08	Parent clone 31C2
2A5	4.24E+04	6.56E-04	1.55E-08	Parent clone 31C2
1B11	4.60E+04	8.03E-04	1.75E-08	Parent clone 31C2
32H4	1.40E+05	0.00897	6.43E-08	
31C2	1.50E+05	0.01194	7.96E-08	

Figure 10A

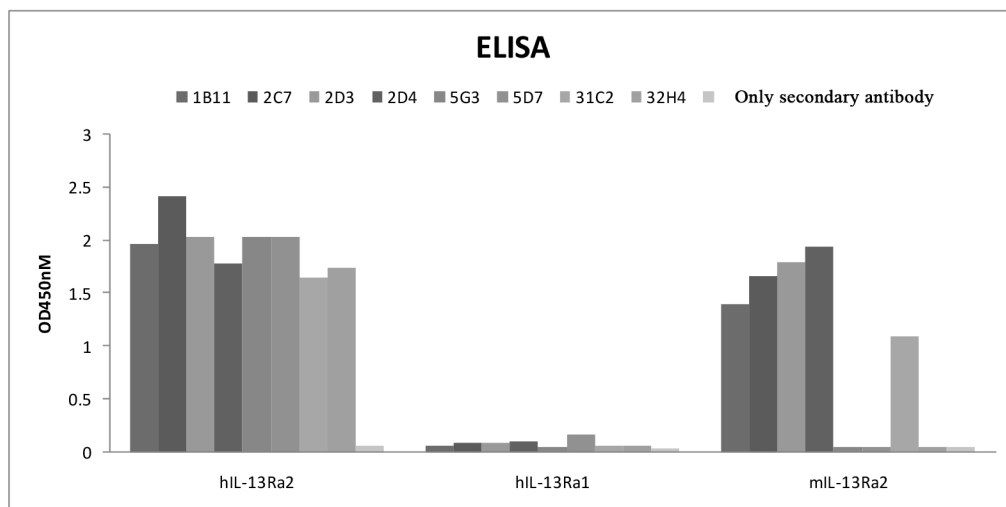


Figure 10B

Protein	Volume (ml)	Concentration (mg/ml)	Total amount (mg)	Monomer
1B11-huFc	1	1.3	1.3	94.0%
2C7-huFc	0.9	1.25	1.1	82.0%
2D3-huFc	0.9	1.3	1.17	96.5%
2D4-huFc	1.1	1.17	1.28	99.0%
5D7-huFc	1	2.45	2.45	99.0%
5G3-huFc	0.7	2.2	1.54	99.0%

Figure 11A

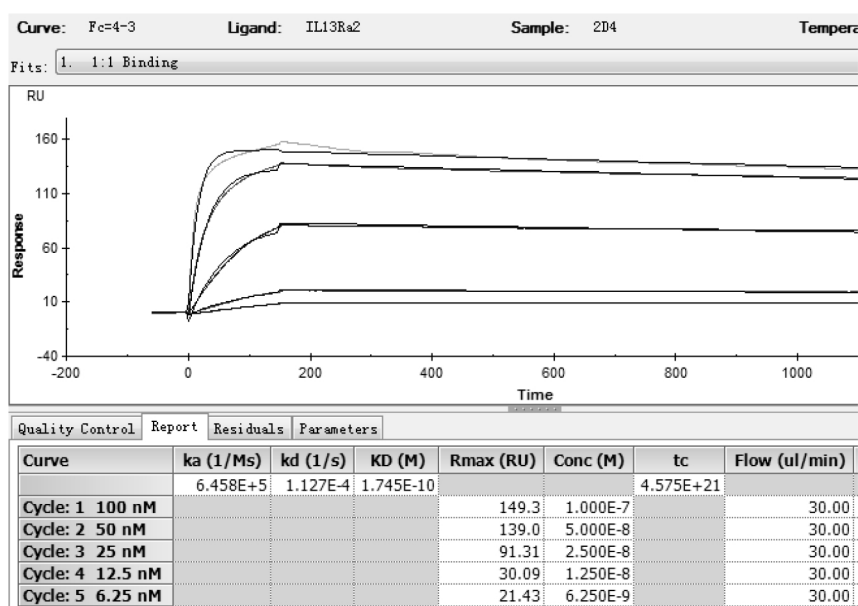


Figure 11B

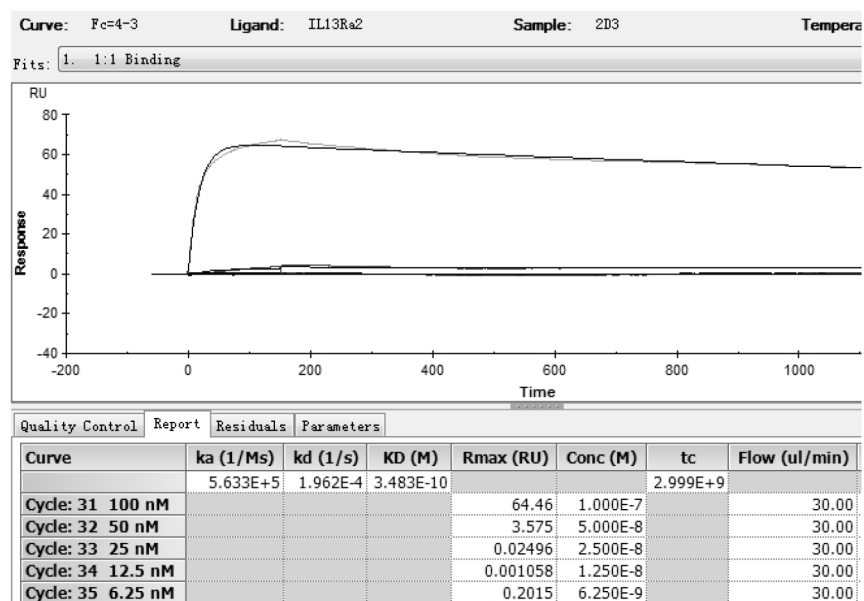


Figure 11C

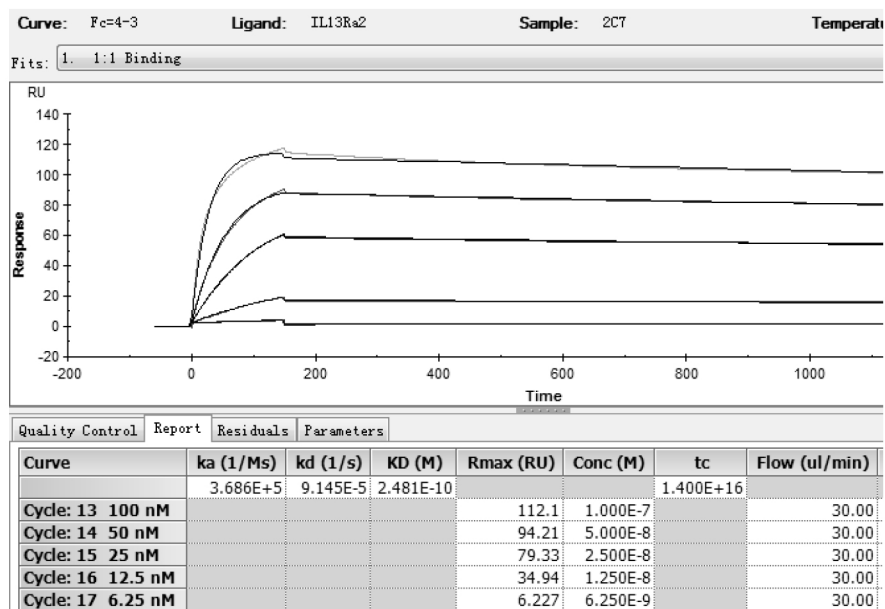


Figure 11D

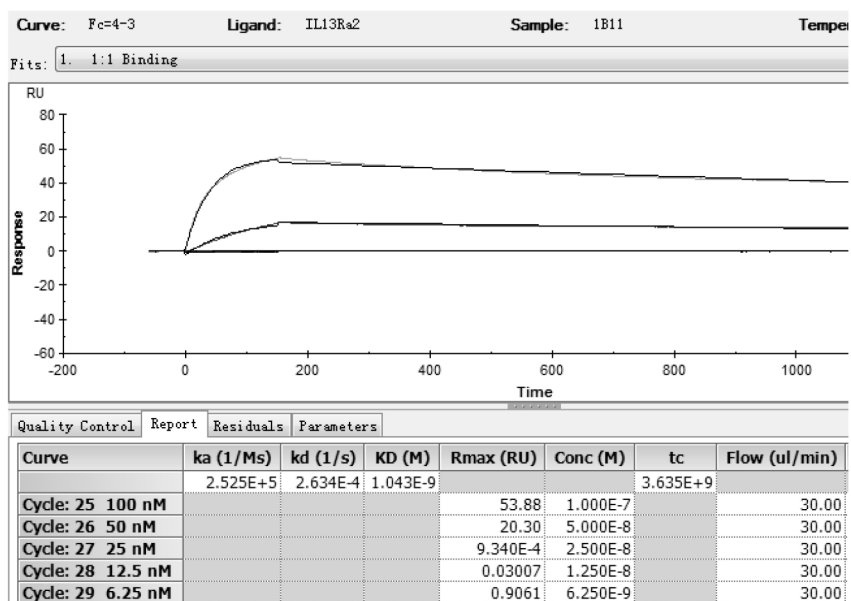


Figure 11E

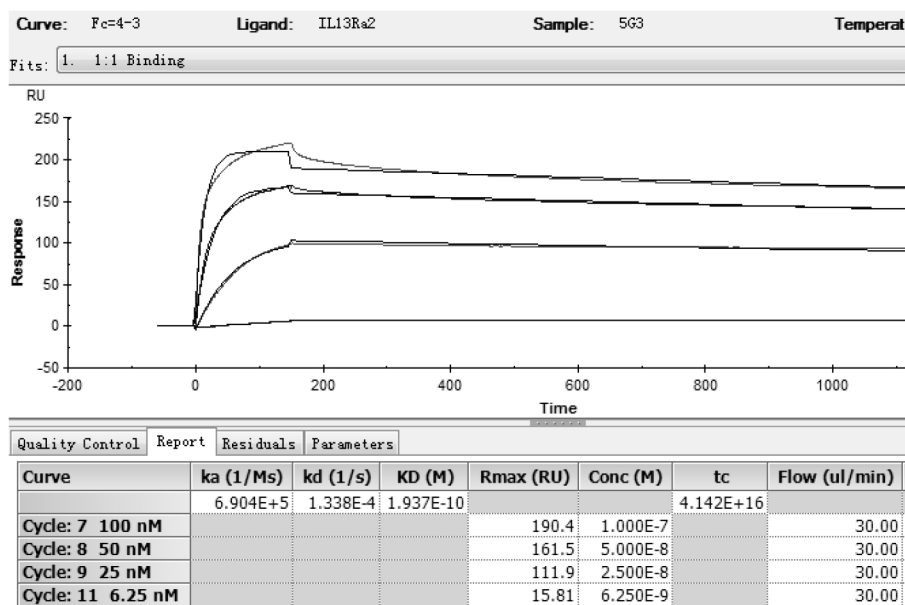


Figure 11F

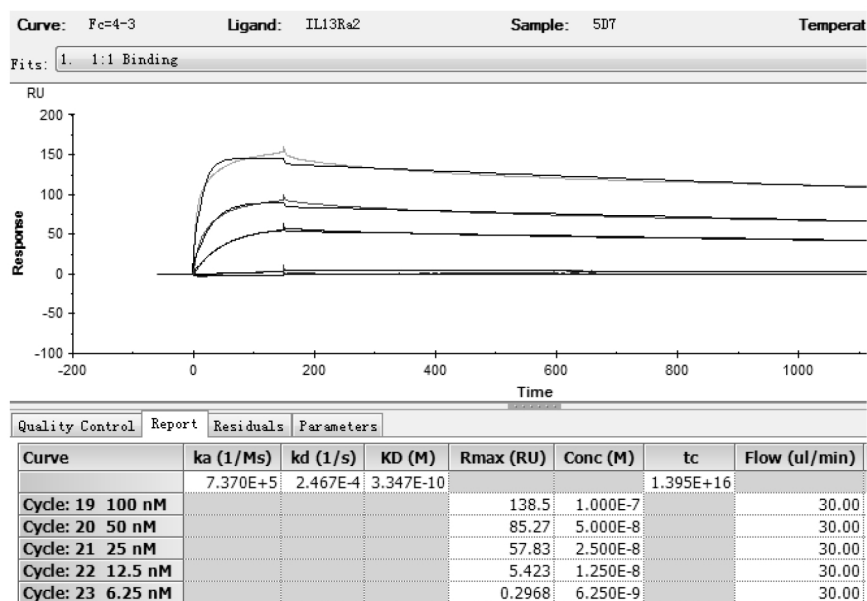


Figure 11G

Clone	ka (1/Ms)	kd (1/s)	KD (M)
31C2	2.49E+05	4.45E-04	1.79E-09
2D4	6.46E+05	1.13E-04	1.74E-10
2C7	3.69E+05	9.15E-05	2.48E-10
2D3	5.63E+05	1.96E-04	3.48E-10
1B11	2.53E+05	2.63E-04	1.04E-09
32H4	2.32E+05	8.70E-04	3.76E-09
5G3	6.90E+05	1.34E-04	1.94E-10
5D7	7.37E+05	2.47E-04	3.35E-10

Figure 11H

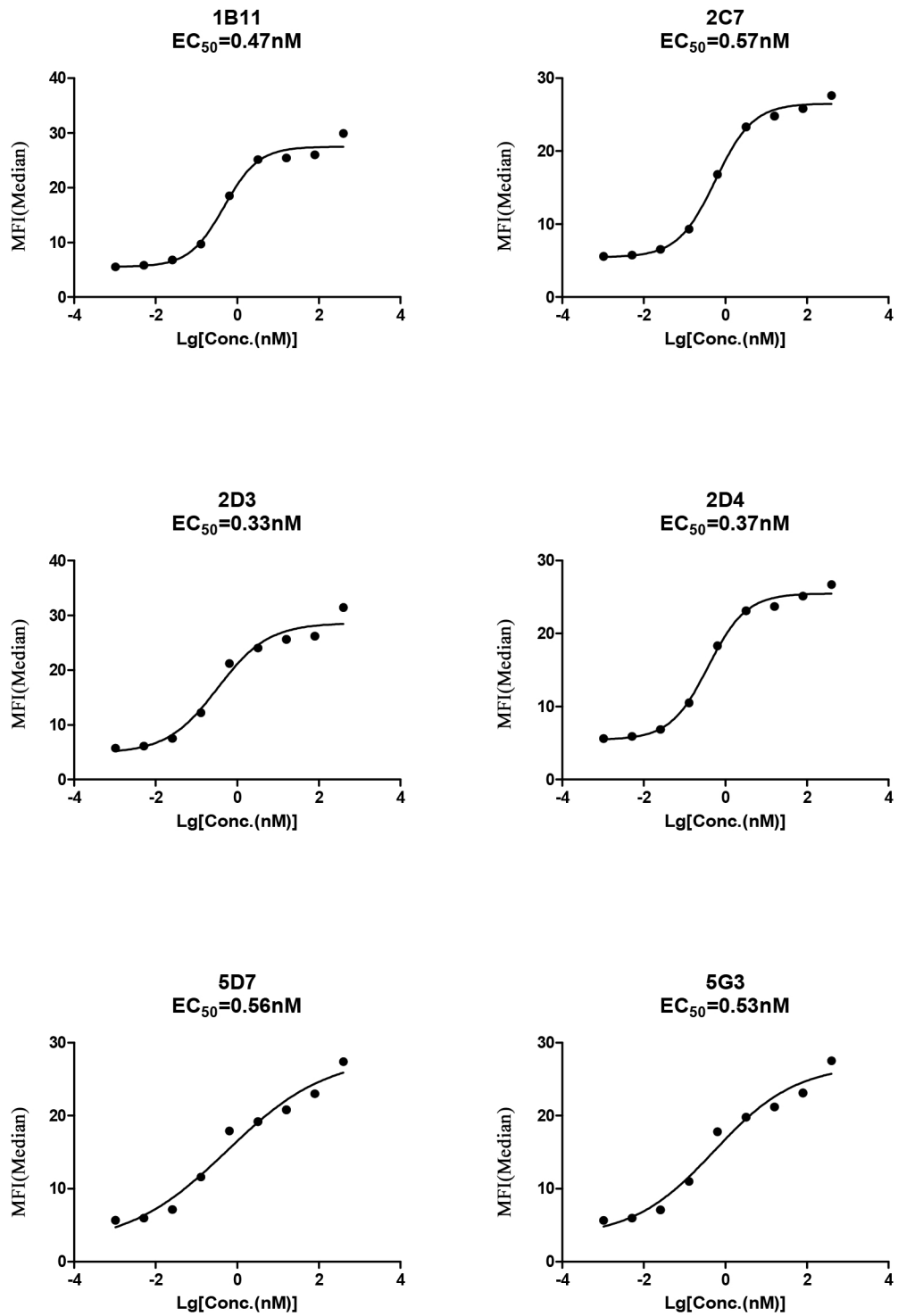


Figure 12

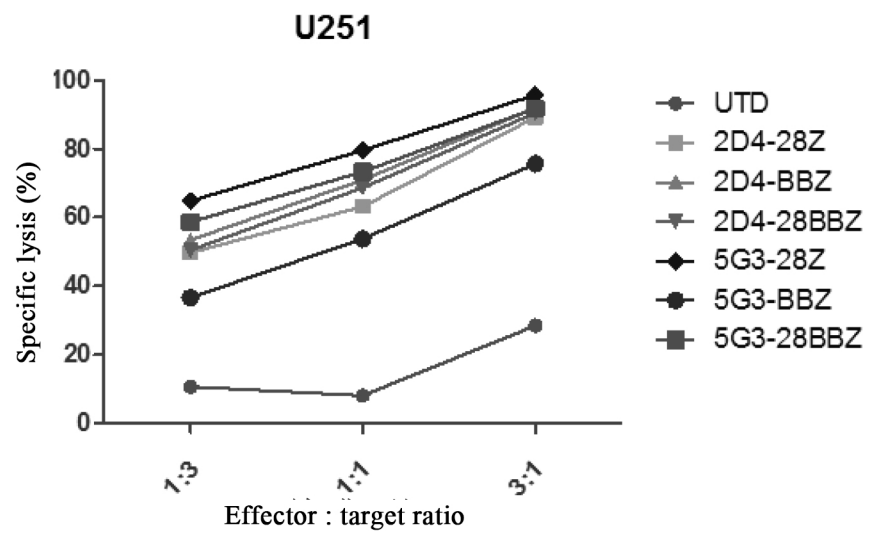


Figure 13