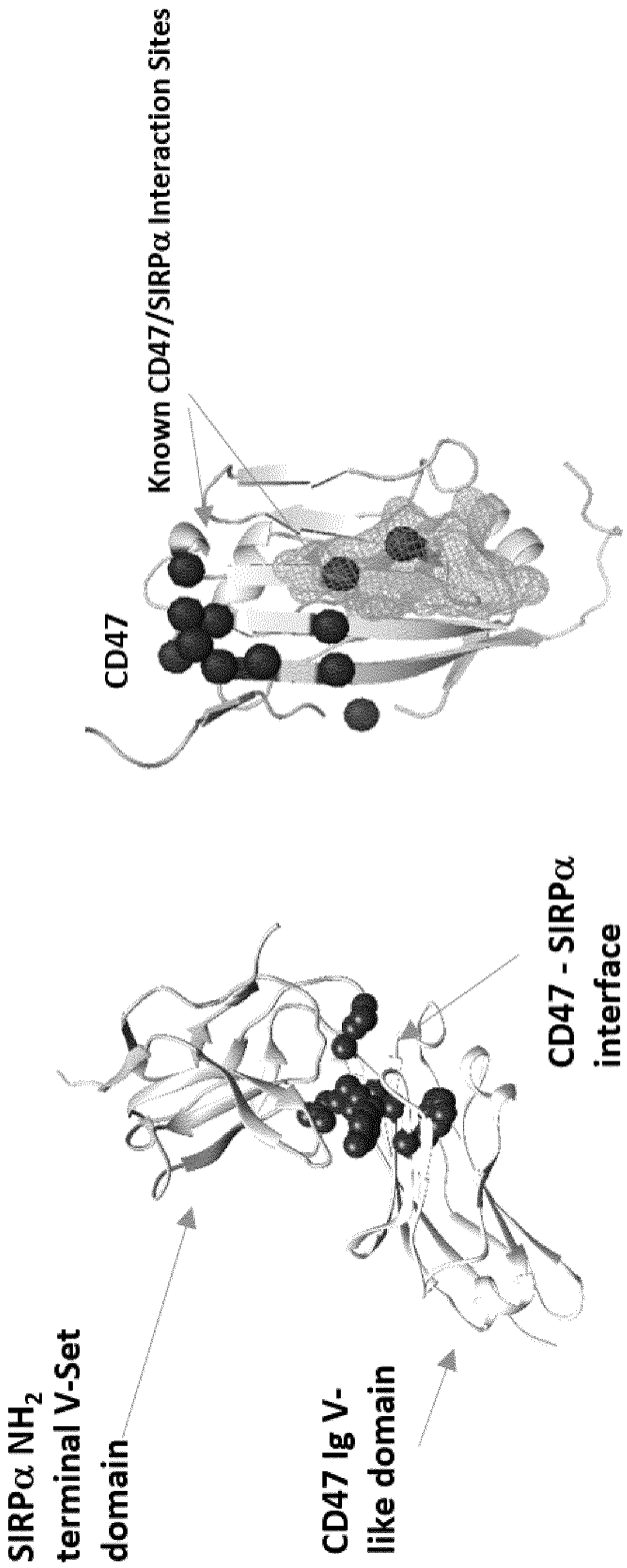

Known CD47/SIRPα Interaction Sites
CD47
CD47 - SIRPα interface
CD47 Ig V-like domain
SIRPα NH2 terminal V-Set domain

Figure 1

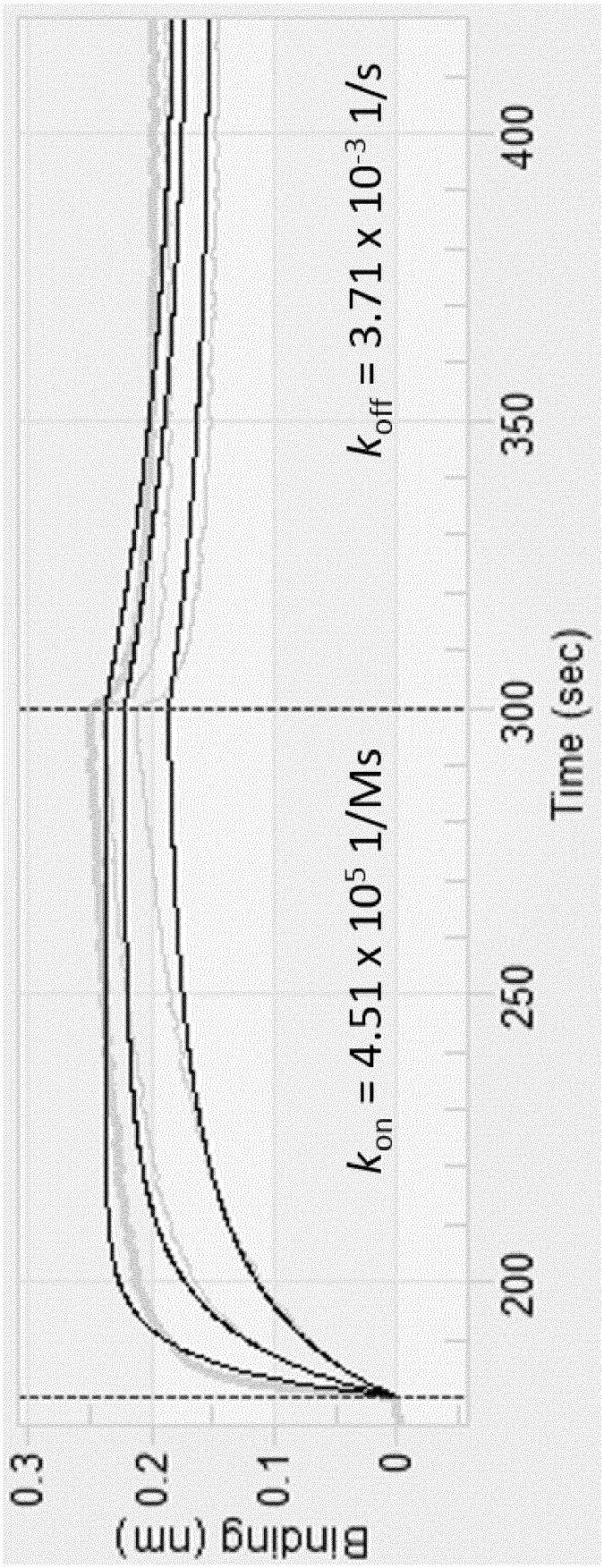

Binding (nm)
0.3
0.2
0.1
0
200
250
300
350
400
Time (sec)
k_{on} = 4.51 x 10^5 1/Ms
k_{off} = 3.71 x 10^{-3} 1/s

Figure 2A

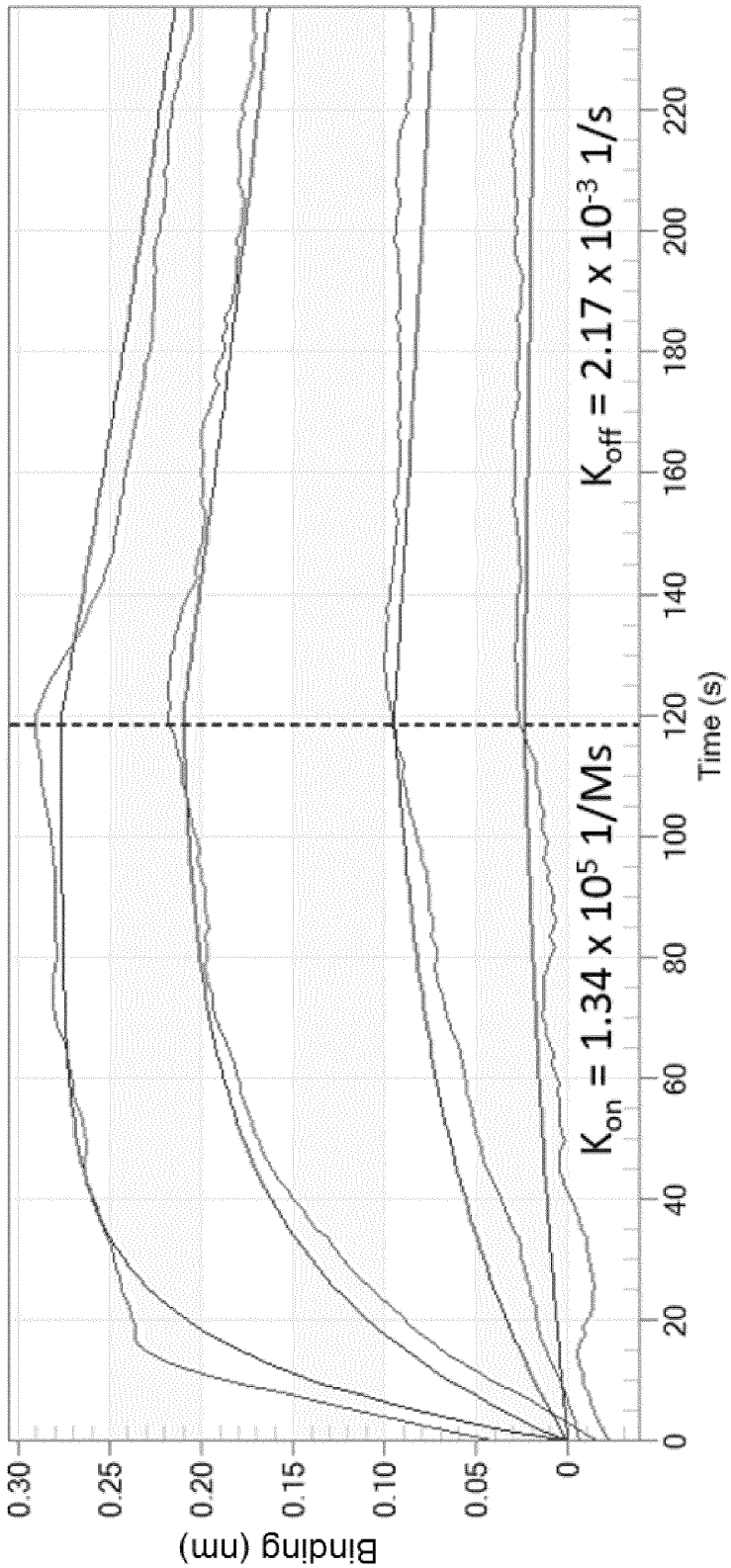

Binding (nm)
0.30
0.25
0.20
0.15
0.10
0.05
0
0
20
40
60
80
100
120
140
160
180
200
220
Time (s)
K_{on} = 1.34 x 10^5 1/Ms
K_{off} = 2.17 x 10^{-3} 1/s

Figure 2B

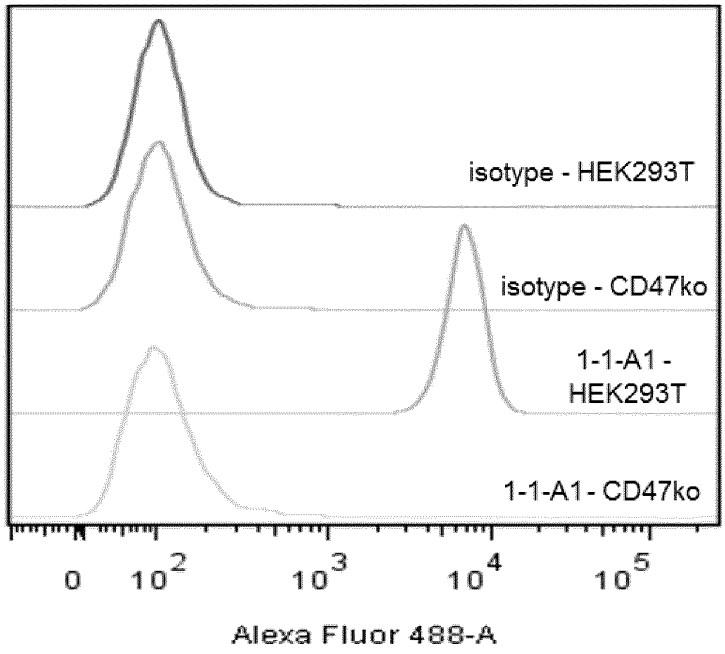


Figure 3A

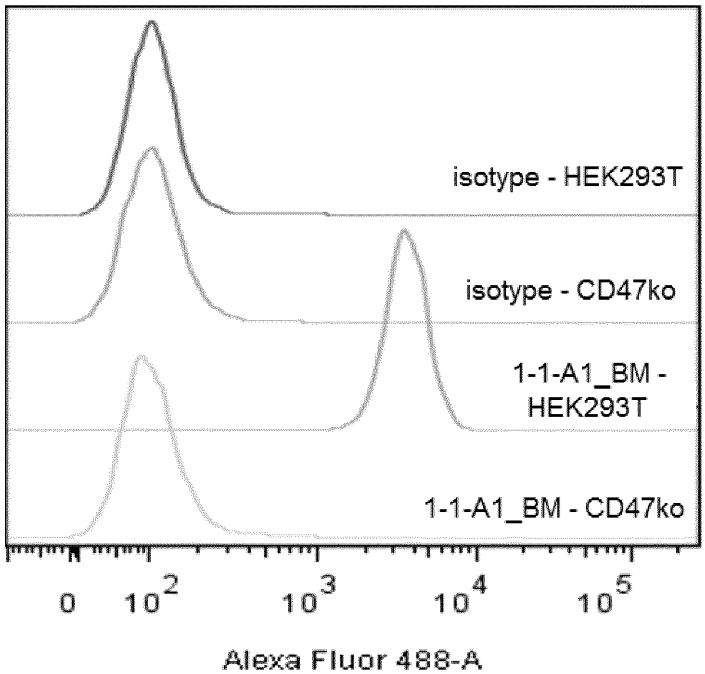


Figure 3B

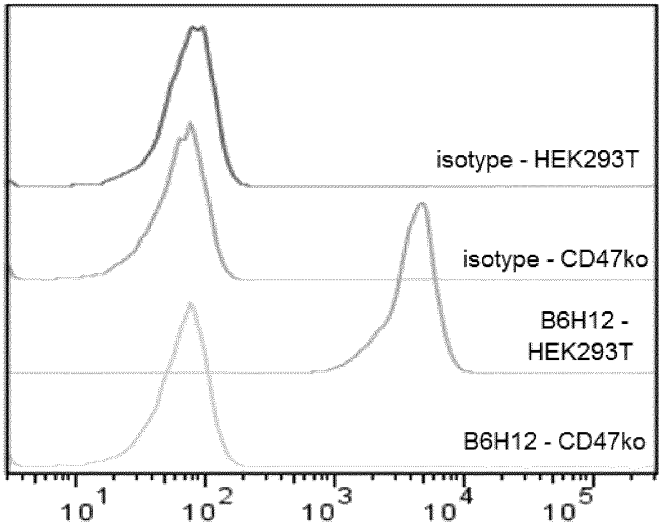


Figure 3C

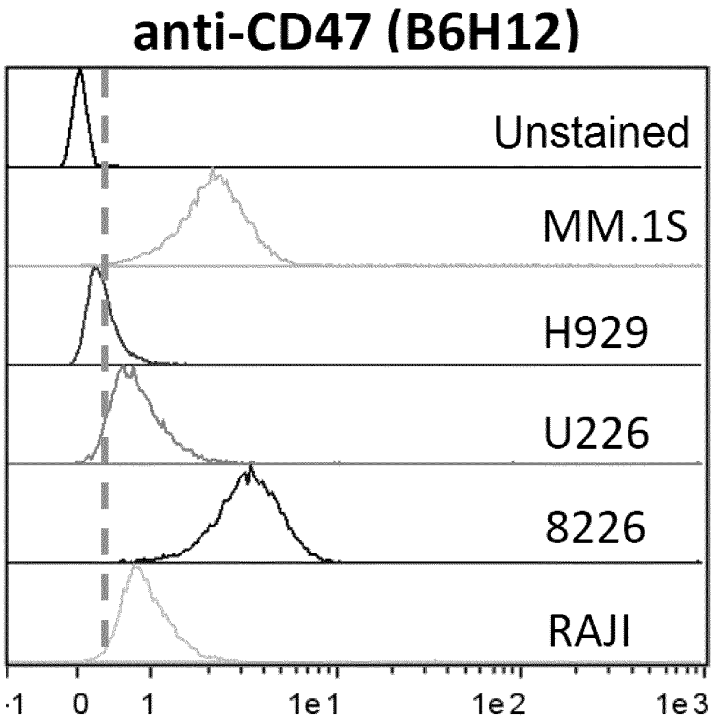


Figure 3D

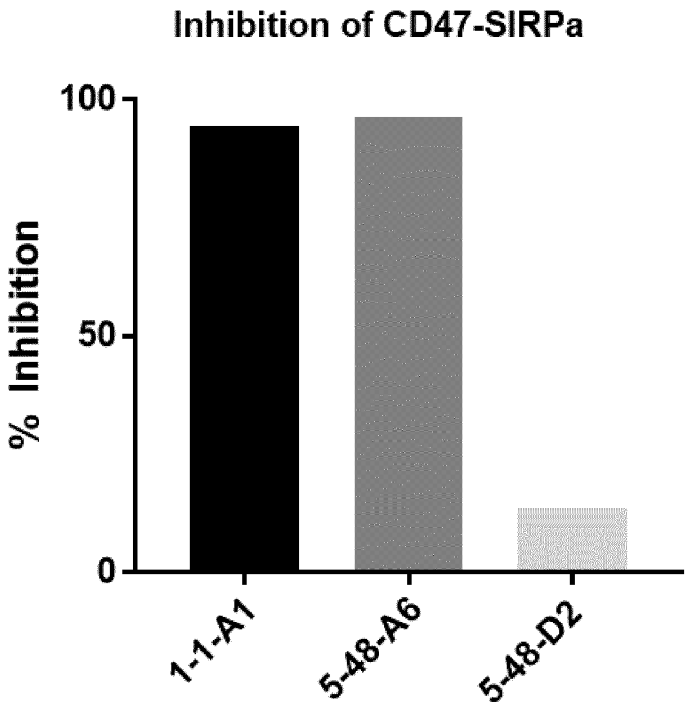


Figure 4

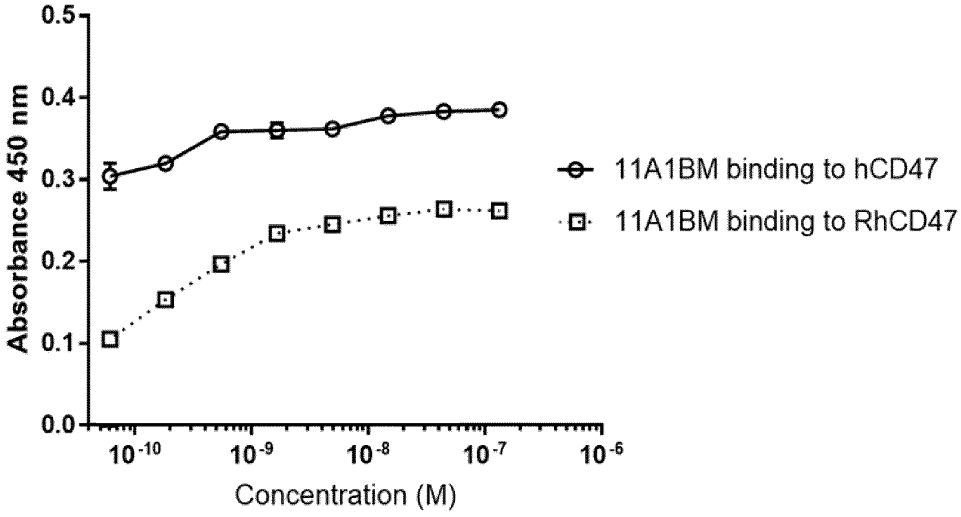
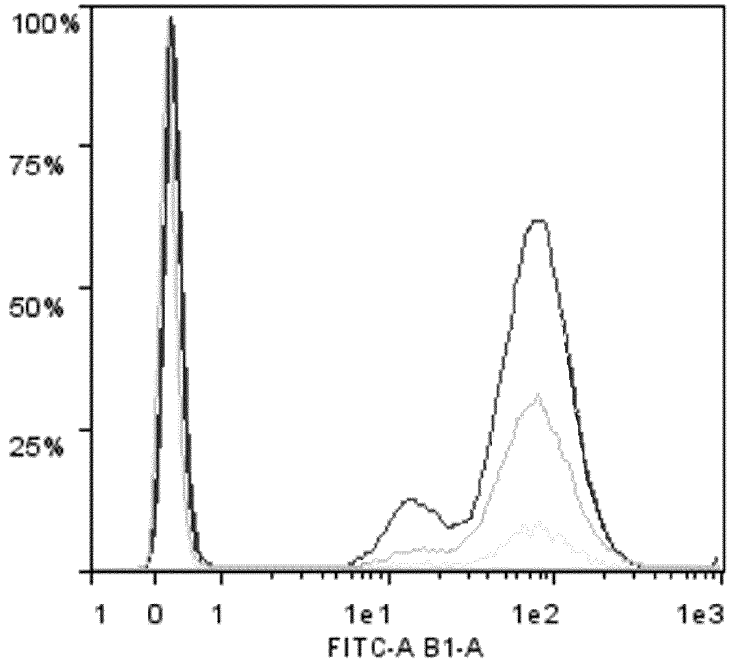


Figure 5



Legend	Population	Live cell %	% FITC positive
	Negative Control (PBS)	71.54	27
	B6H12 Control	73.39	59
	1-1-A1 mAb	77.51	74.63

Figure 6

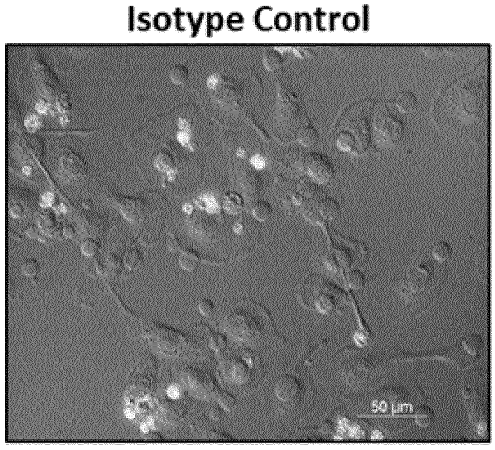


Figure 7A

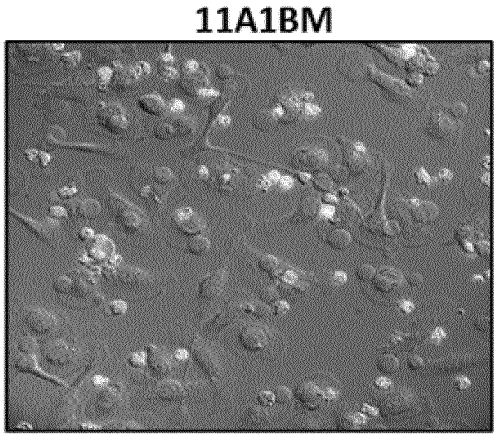


Figure 7B

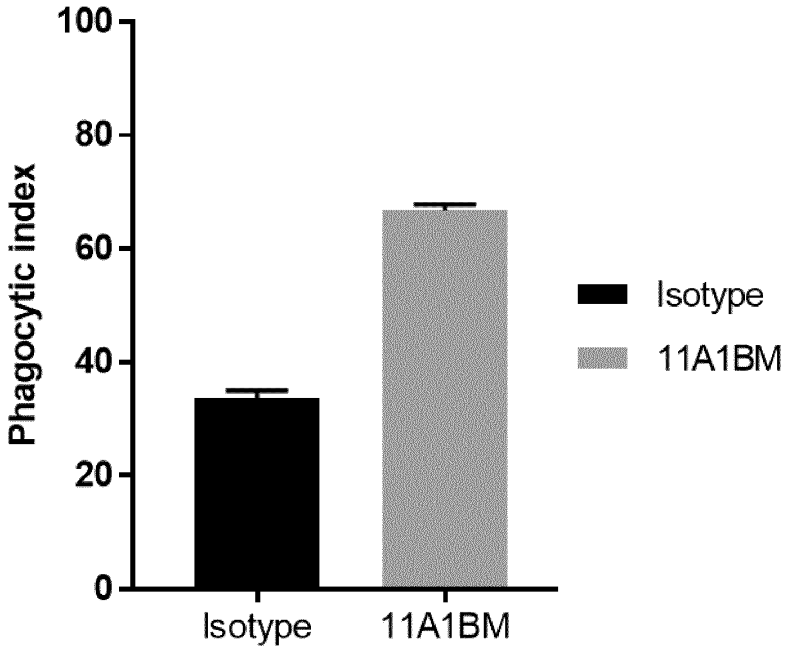
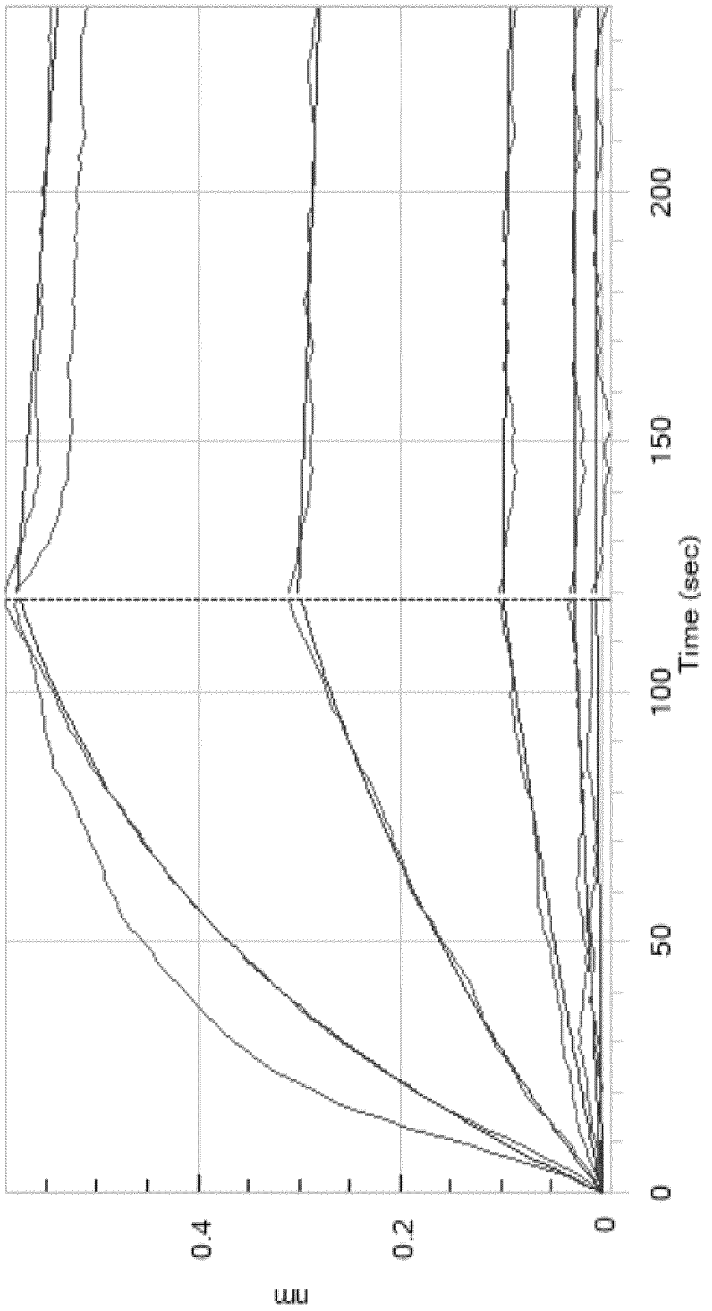


Figure 7C



Antibody	K_D (nM)	k_{on} (M^{-1} s^{-1})	k_{dis} (s^{-1})
11A1BM	10.4	59.4×10^3	61.8×10^{-5}

Figure 8

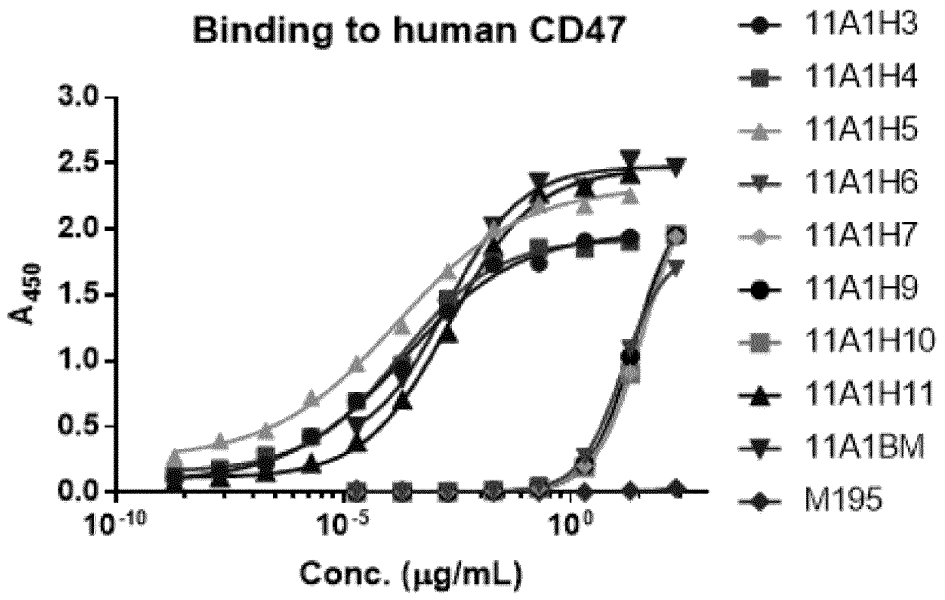


Figure 9

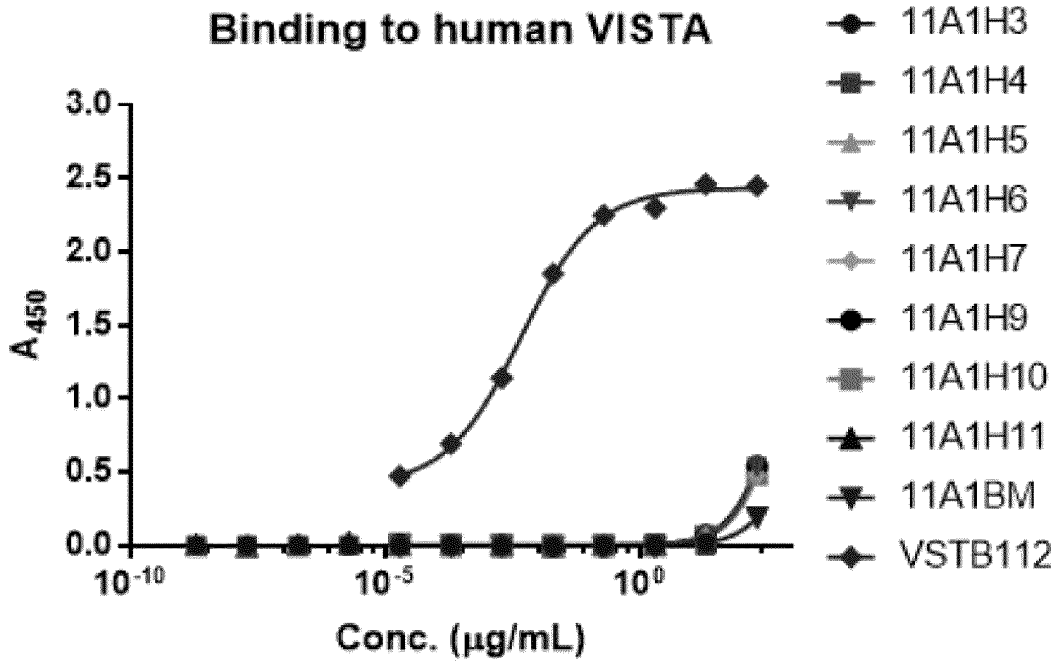


Figure 10

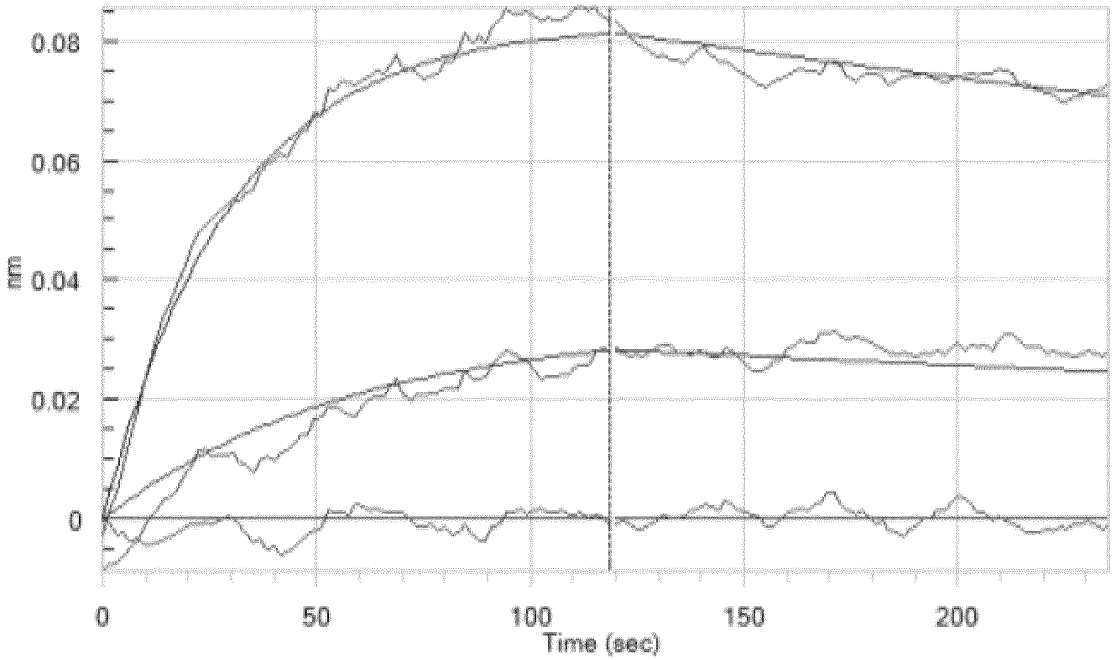


Figure 11A

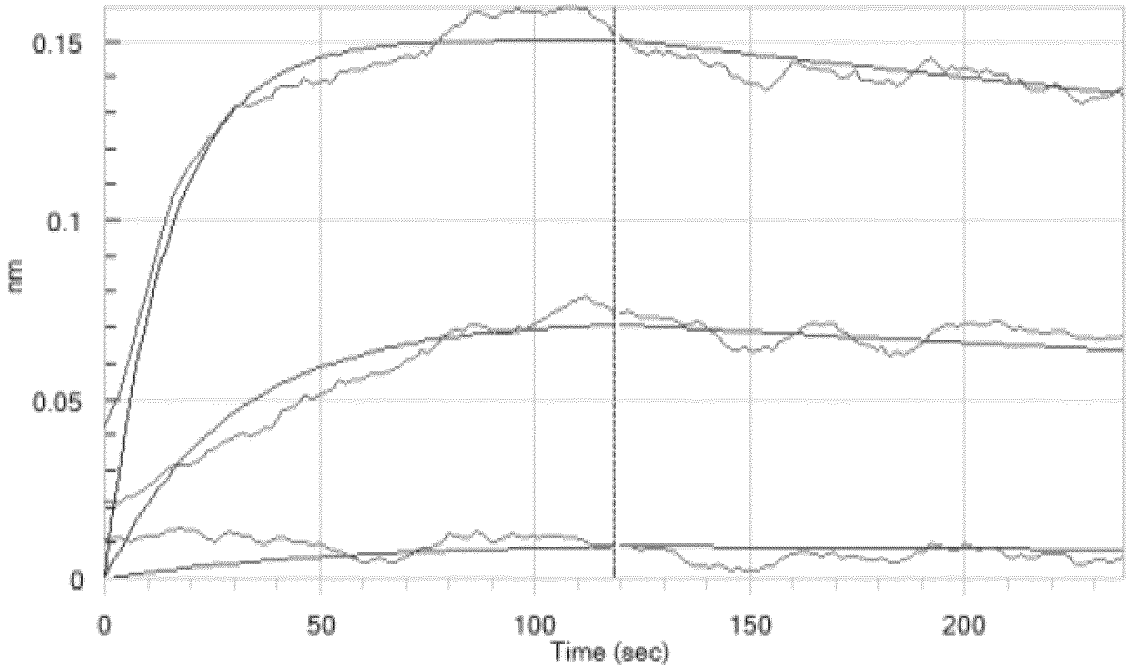


Figure 11B

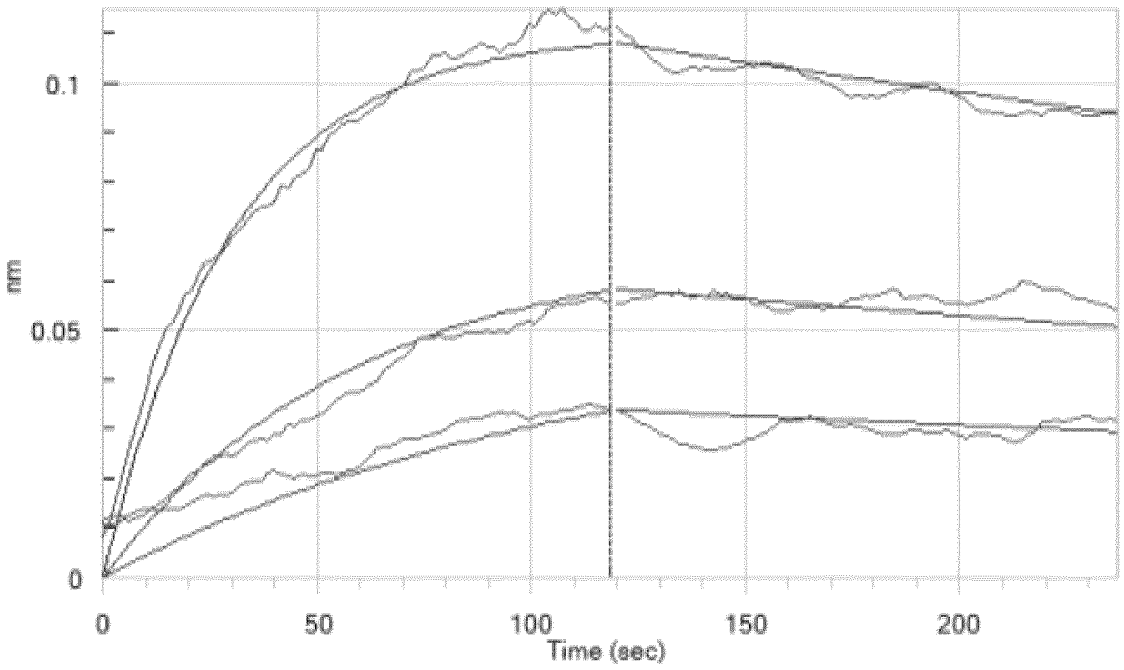


Figure 11C

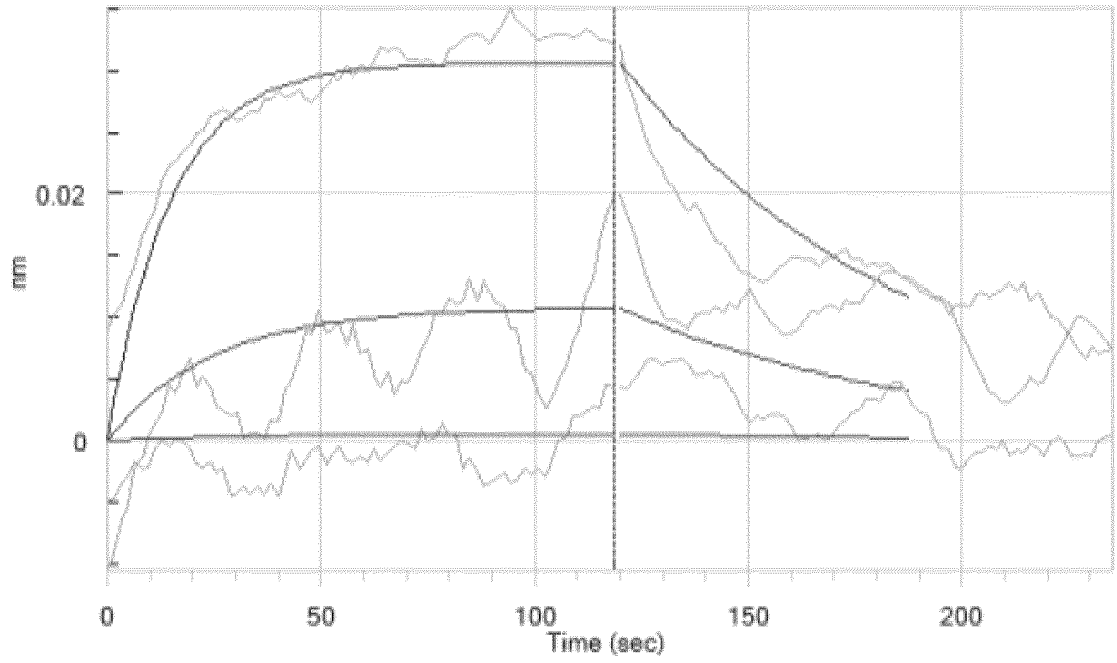


Figure 11D

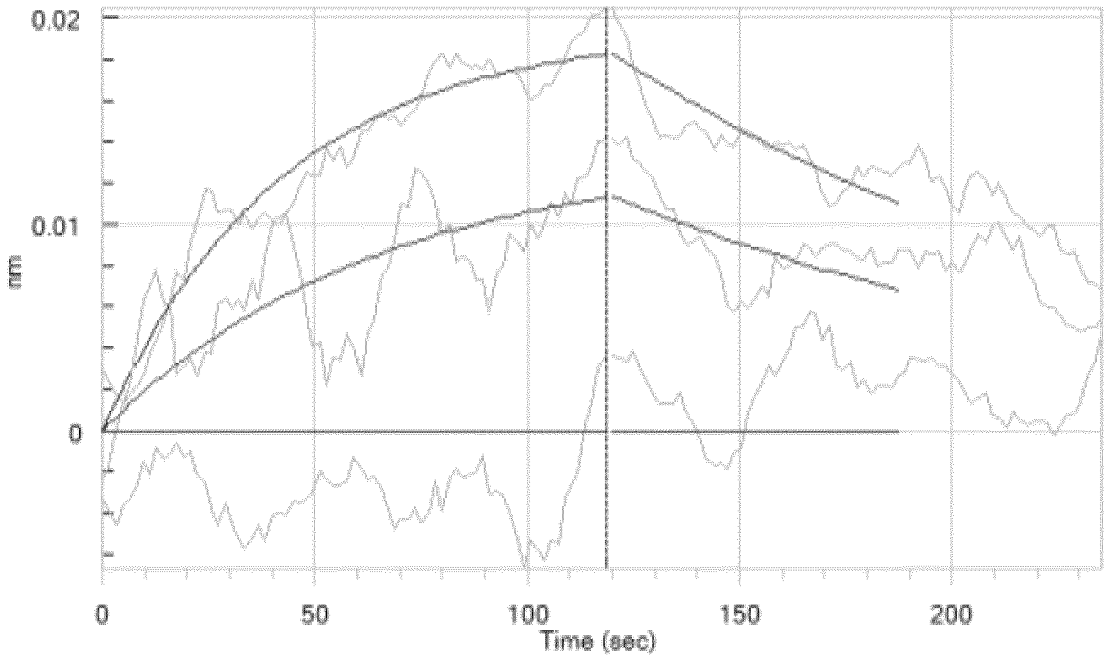


Figure 11E

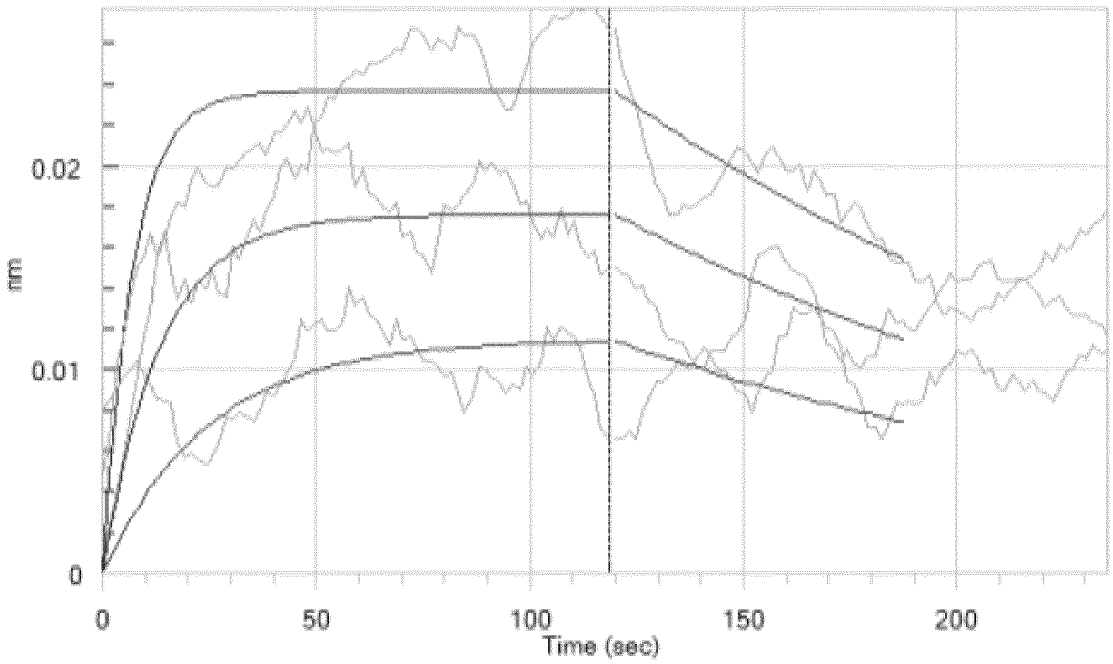


Figure 11F

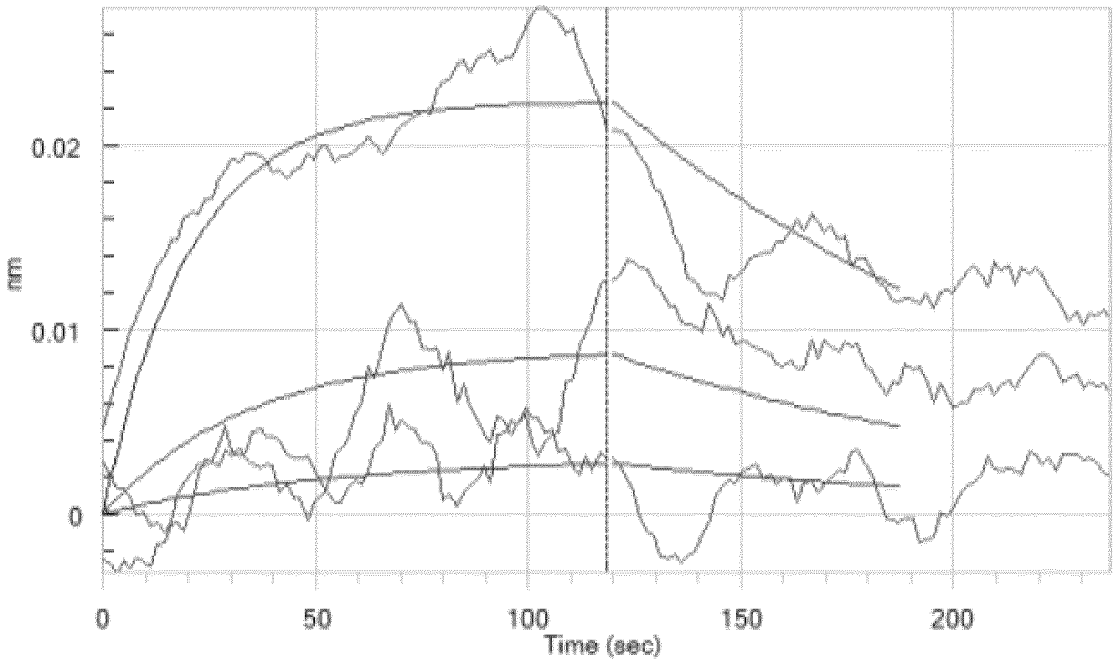


Figure 11G

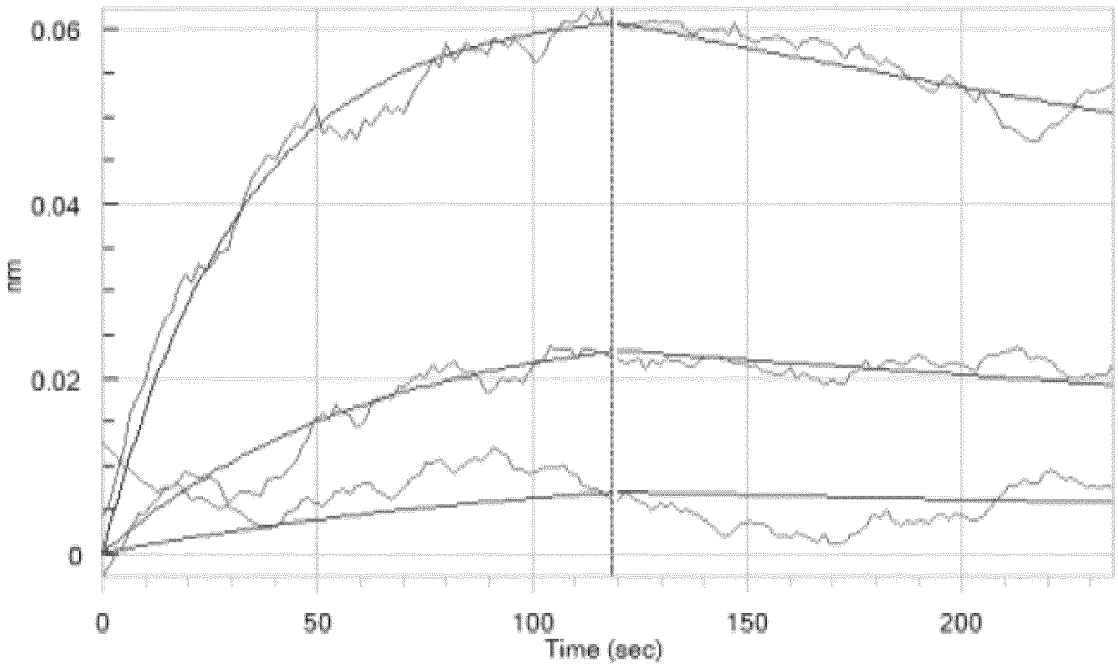


Figure 11H

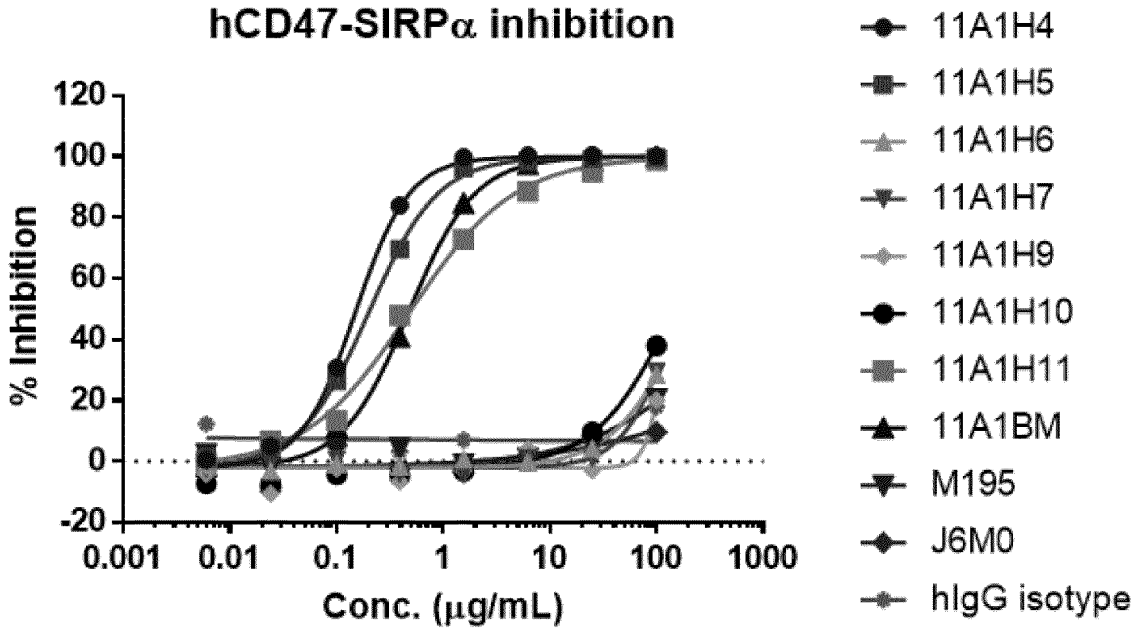

hCD47-SIRPα inhibition
% Inhibition
120
100
80
60
40
20
0
-20
0.001
0.01
0.1
1
10
100
1000
Conc. (µg/mL)
11A1H4
11A1H5
11A1H6
11A1H7
11A1H9
11A1H10
11A1H11
11A1BM
M195
J6M0
hIgG isotype

Figure 12

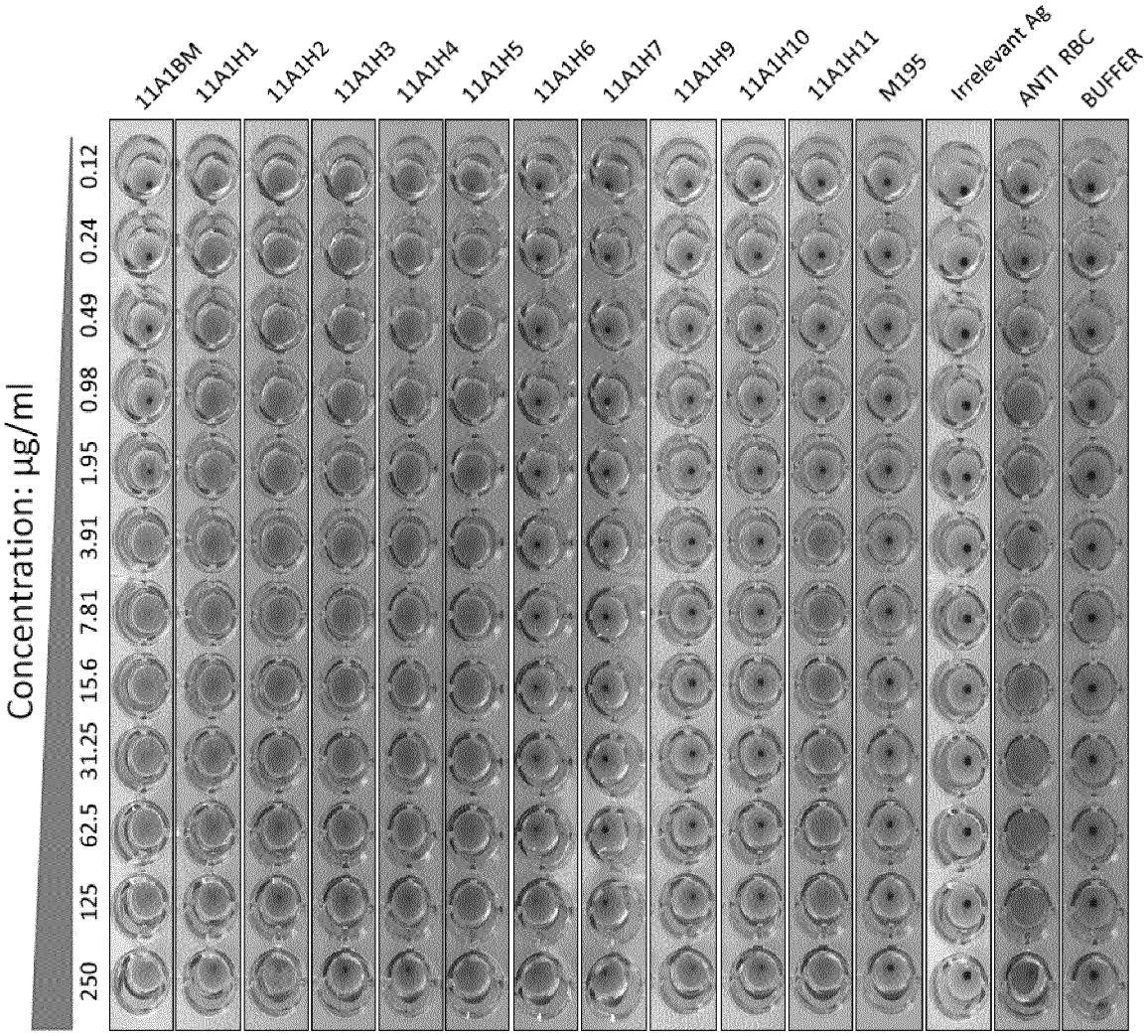

11A1BM
11A1H1
11A1H2
11A1H3
11A1H4
11A1H5
11A1H6
11A1H7
11A1H9
11A1H10
11A1H11
M195
Irrelevant Ag
ANTI RBC
BUFFER
Concentration: µg/ml
250
125
62.5
31.25
15.6
7.81
3.91
1.95
0.98
0.49
0.24
0.12

Figure 13