Figure 1

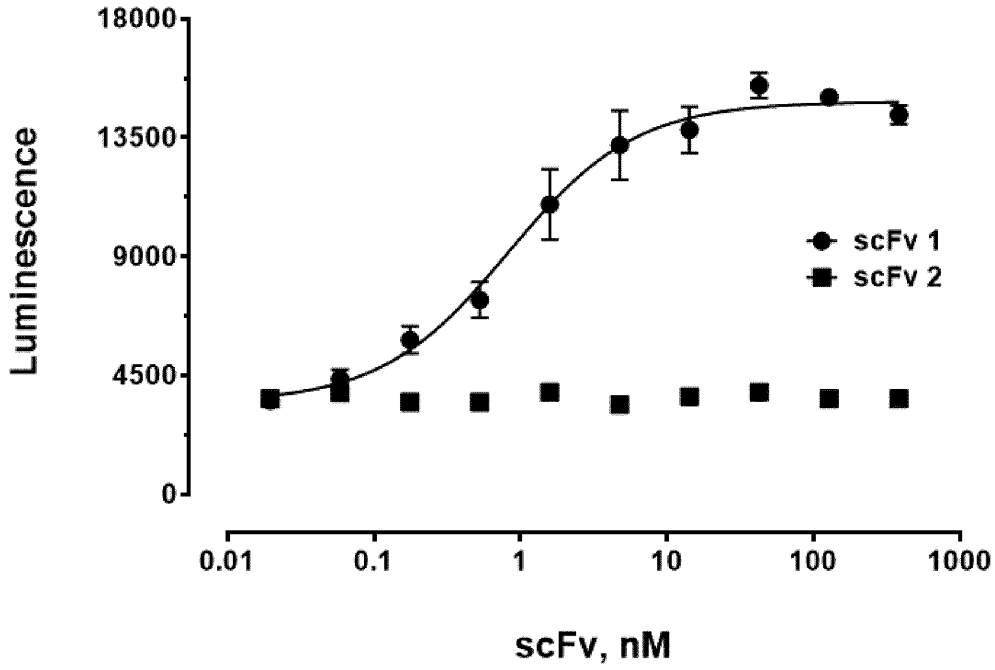


Figure 2

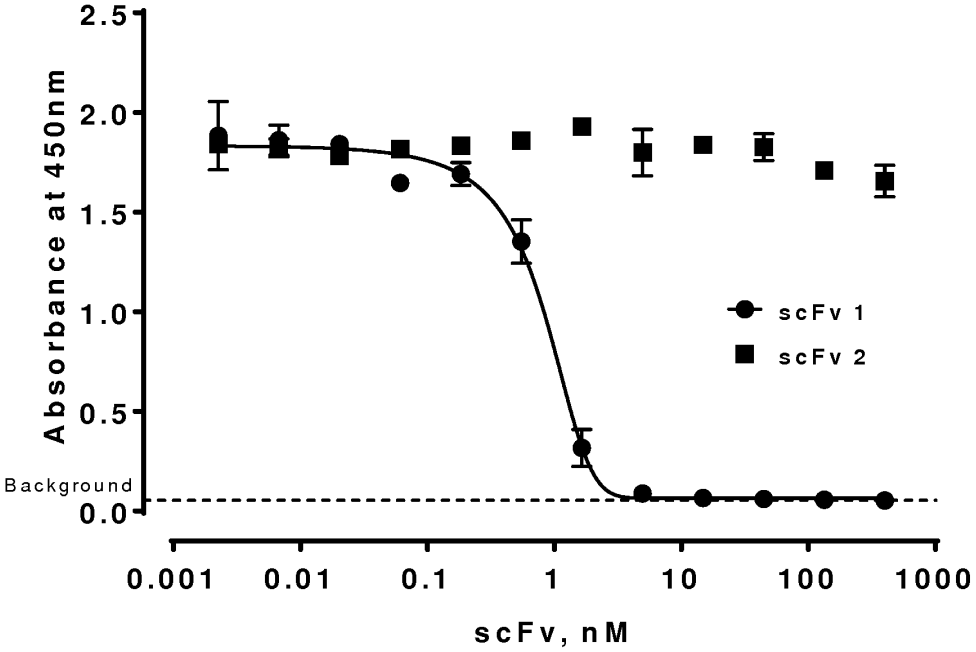


Figure 3

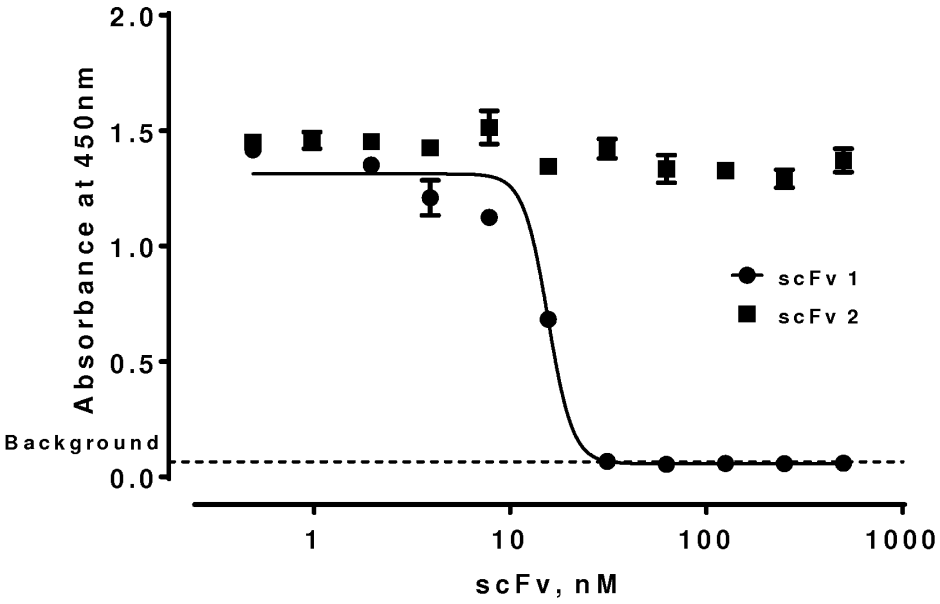


Figure 4

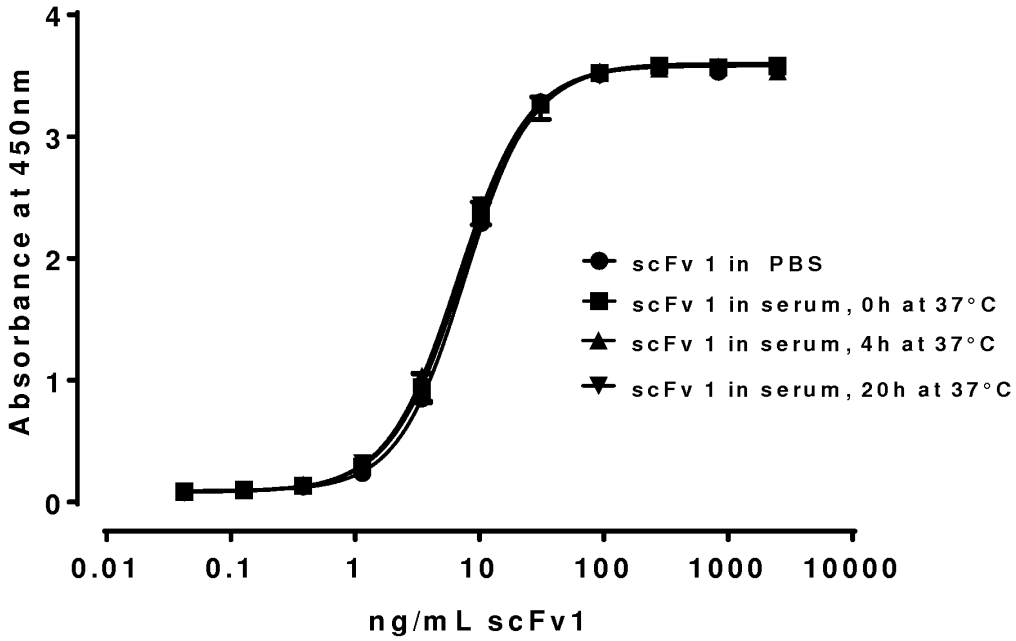


Figure 5

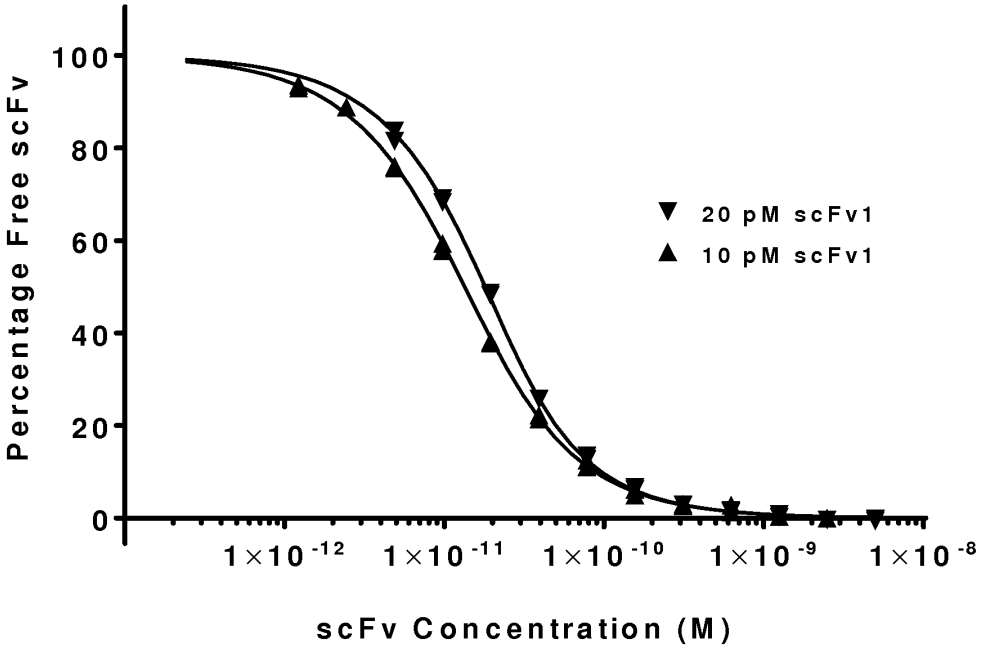


Figure 6

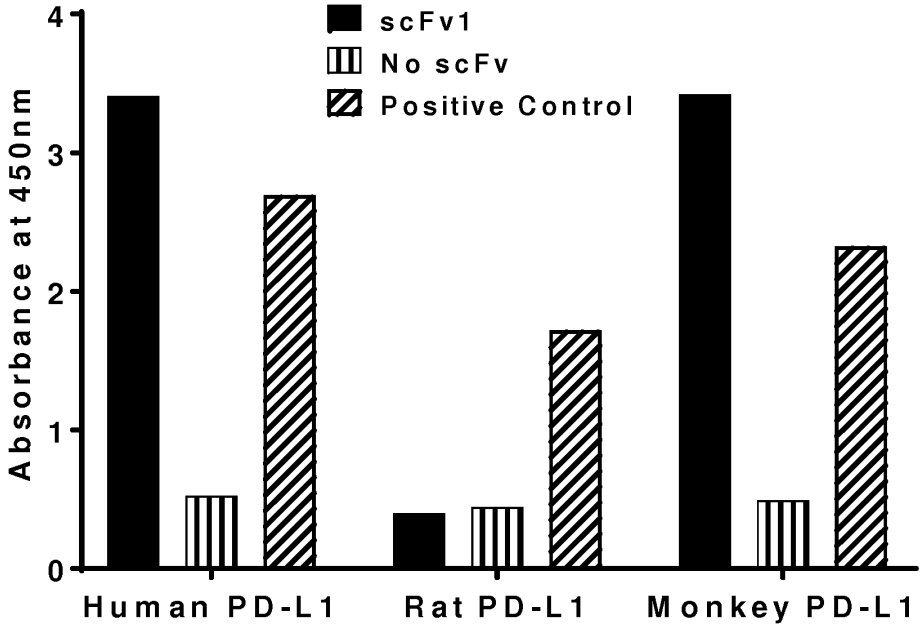


Figure 7

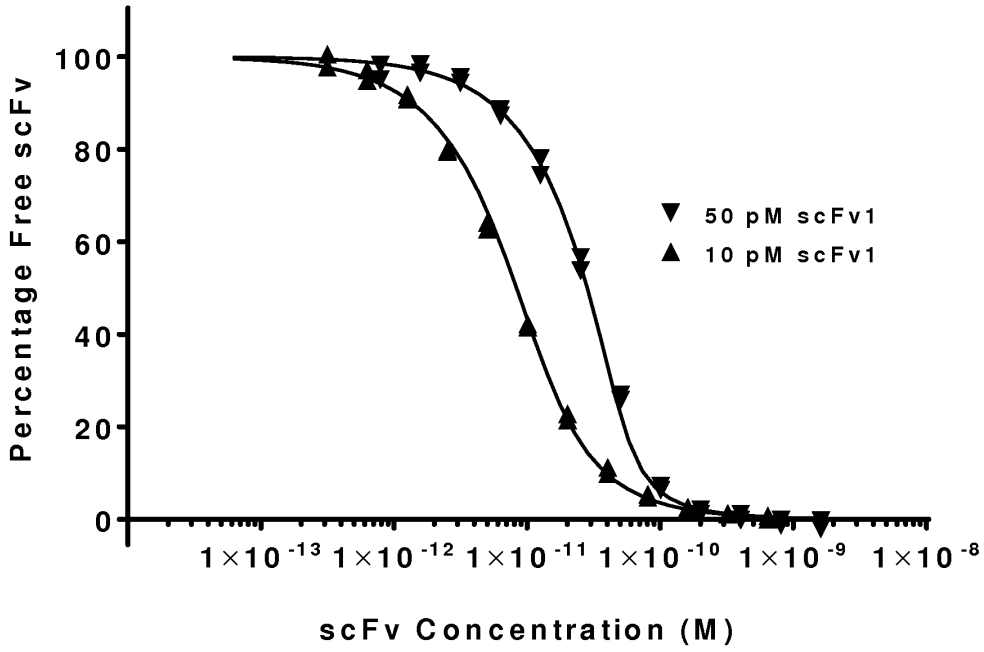


Figure 8

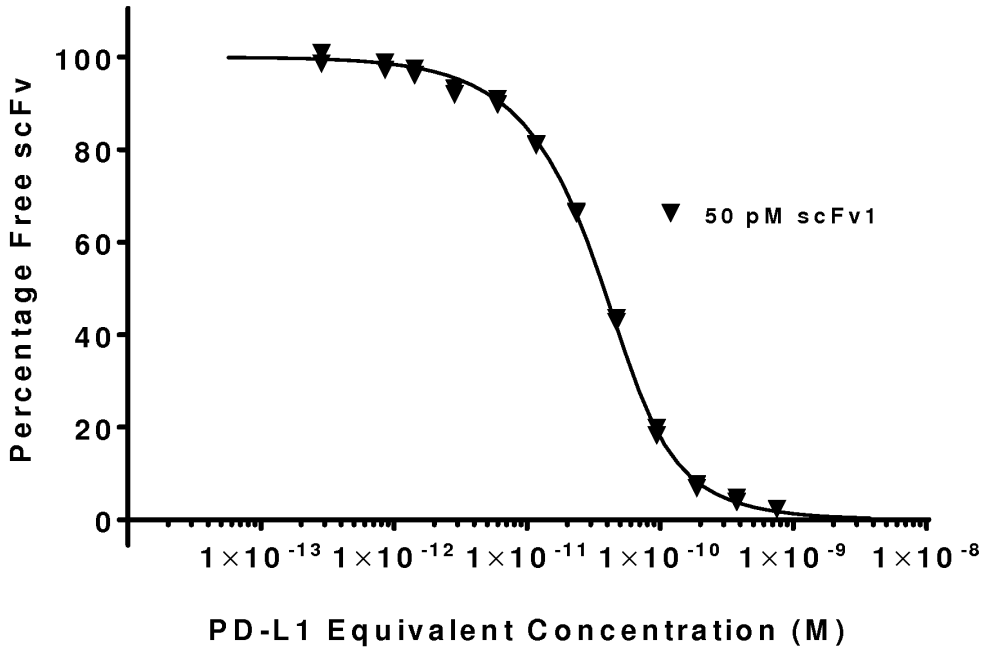


Figure 9

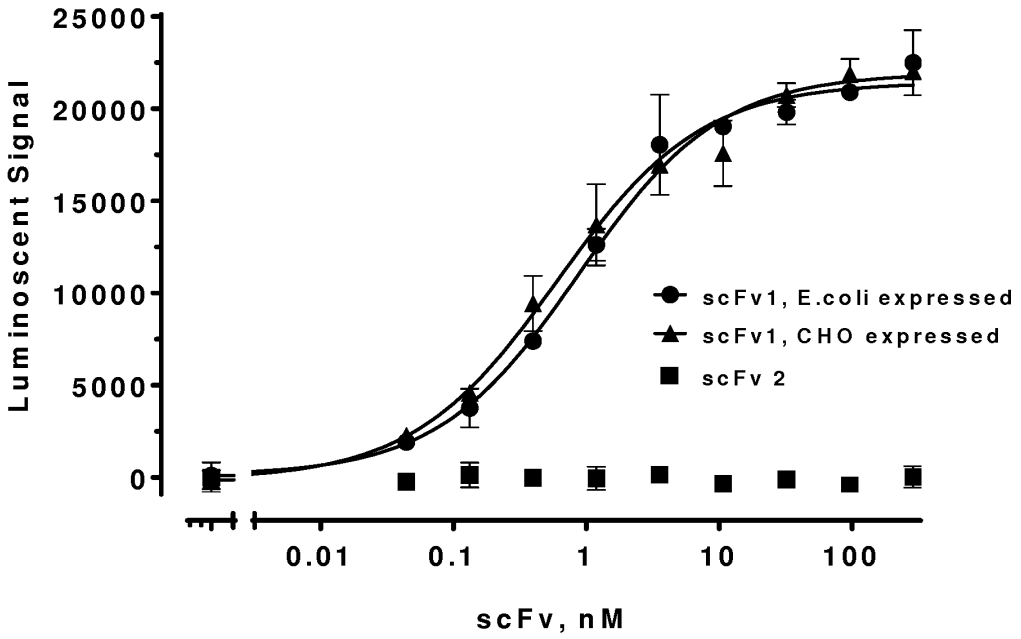
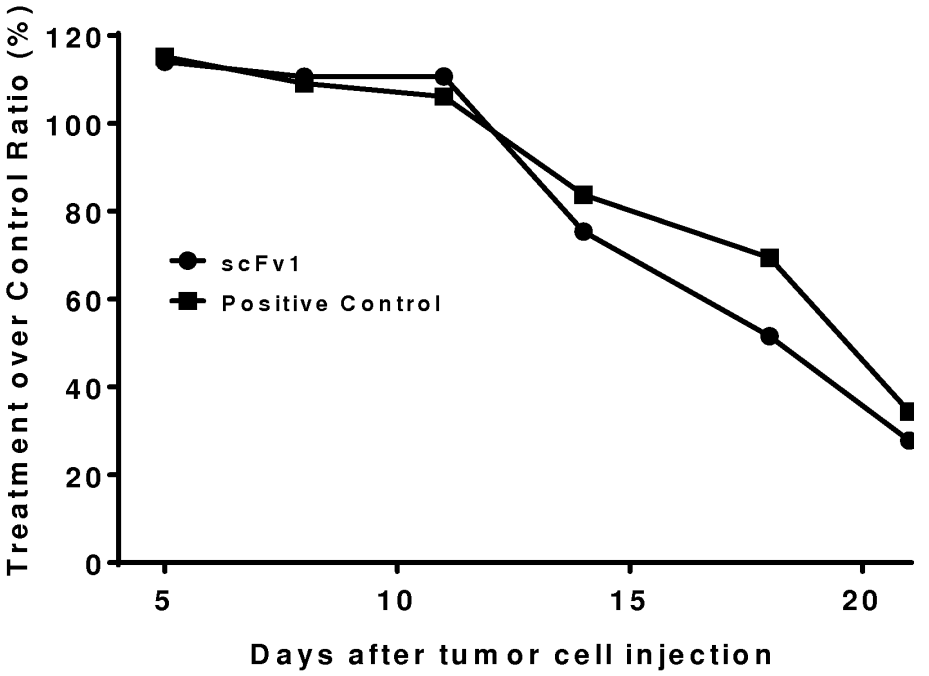

25000
20000
15000
10000
5000
0
Luminoscent Signal
0.01
0.1
1
10
100
scFv, nM
scFv1, E.coli expressed
scFv1, CHO expressed
scFv 2

Figure 10

A


Treatment over Control Ratio (%)
120
100
80
60
40
20
0
scFv1
Positive Control
5
10
15
20
Days after tumor cell injection

B

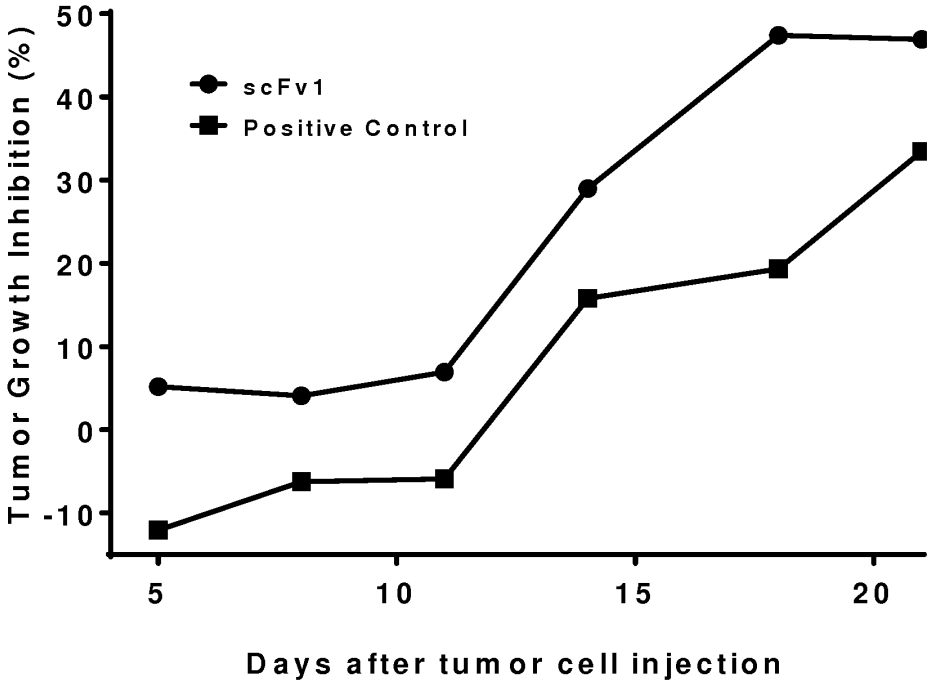

Tumor Growth Inhibition (%)
50
40
30
20
10
0
-10
scFv1
Positive Control
5
10
15
20
Days after tumor cell injection

Figure 11

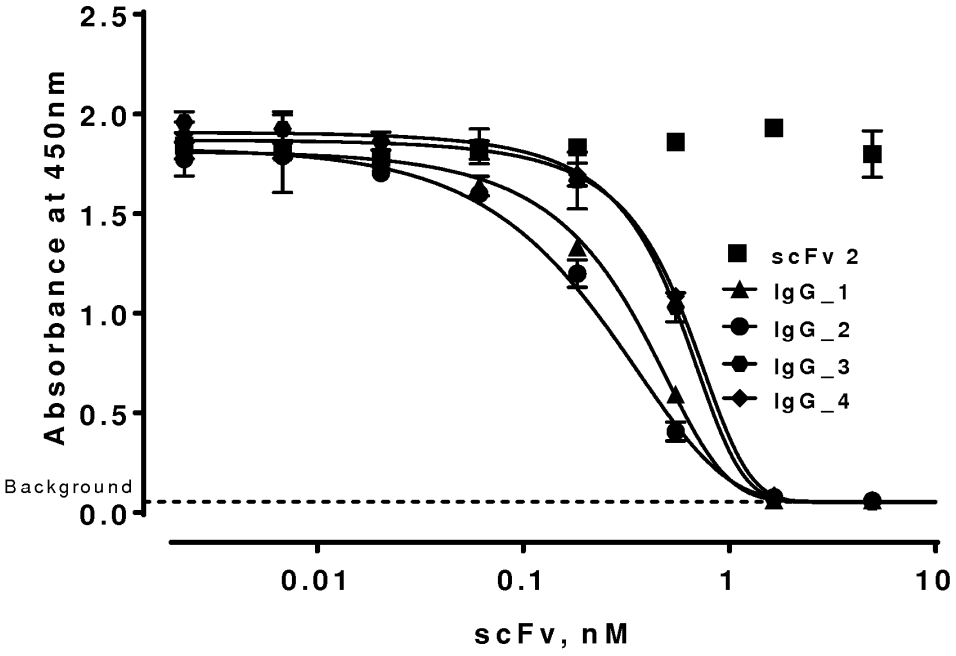
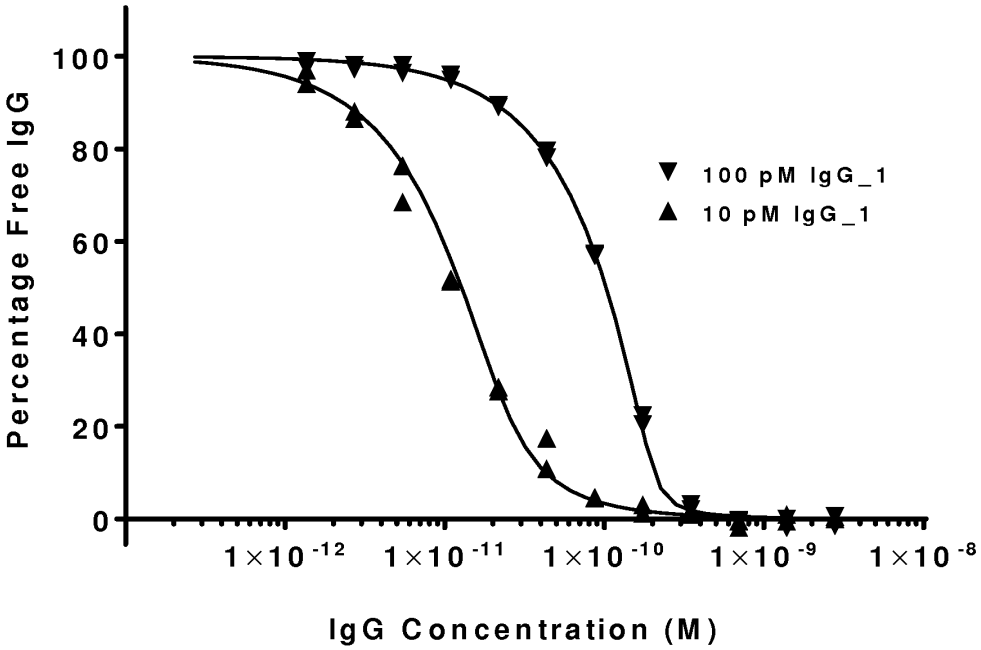
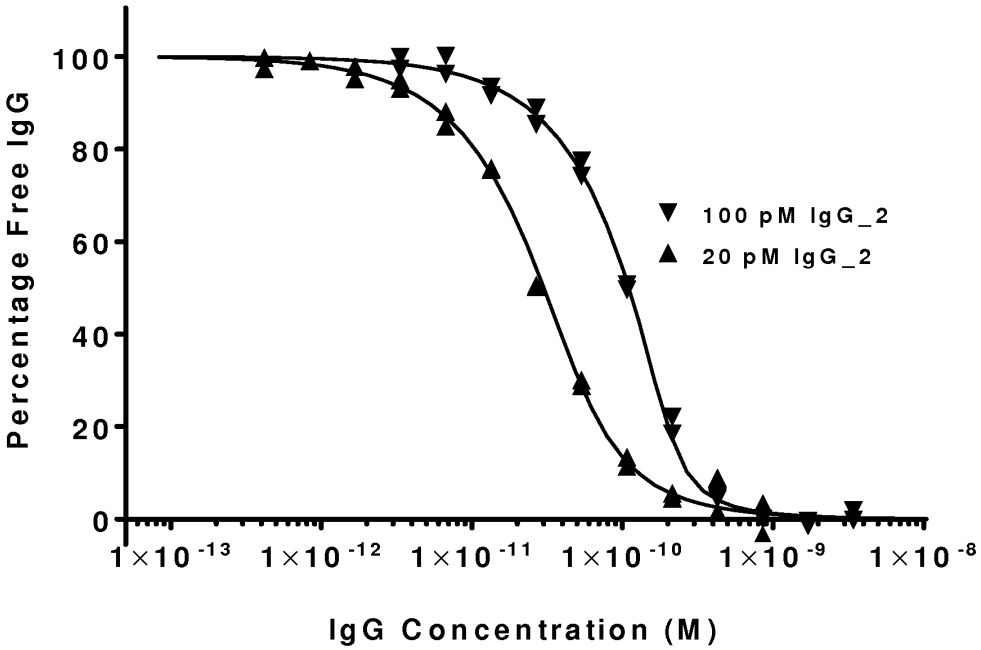

2.5
2.0
1.5
1.0
0.5
0.0
Absorbance at 450nm
Background
0.01
0.1
1
10
scFv, nM
scFv 2
IgG_1
IgG_2
IgG_3
IgG_4

Figure 12

A


Percentage Free IgG
100
80
60
40
20
0
1×10 -12
1×10 -11
1×10 -10
1×10 -9
1×10 -8
IgG Concentration (M)
100 pM IgG_1
10 pM IgG_1

B


Percentage Free IgG
100
80
60
40
20
0
1×10 -13
1×10 -12
1×10 -11
1×10 -10
1×10 -9
1×10 -8
IgG Concentration (M)
100 pM IgG_2
20 pM IgG_2