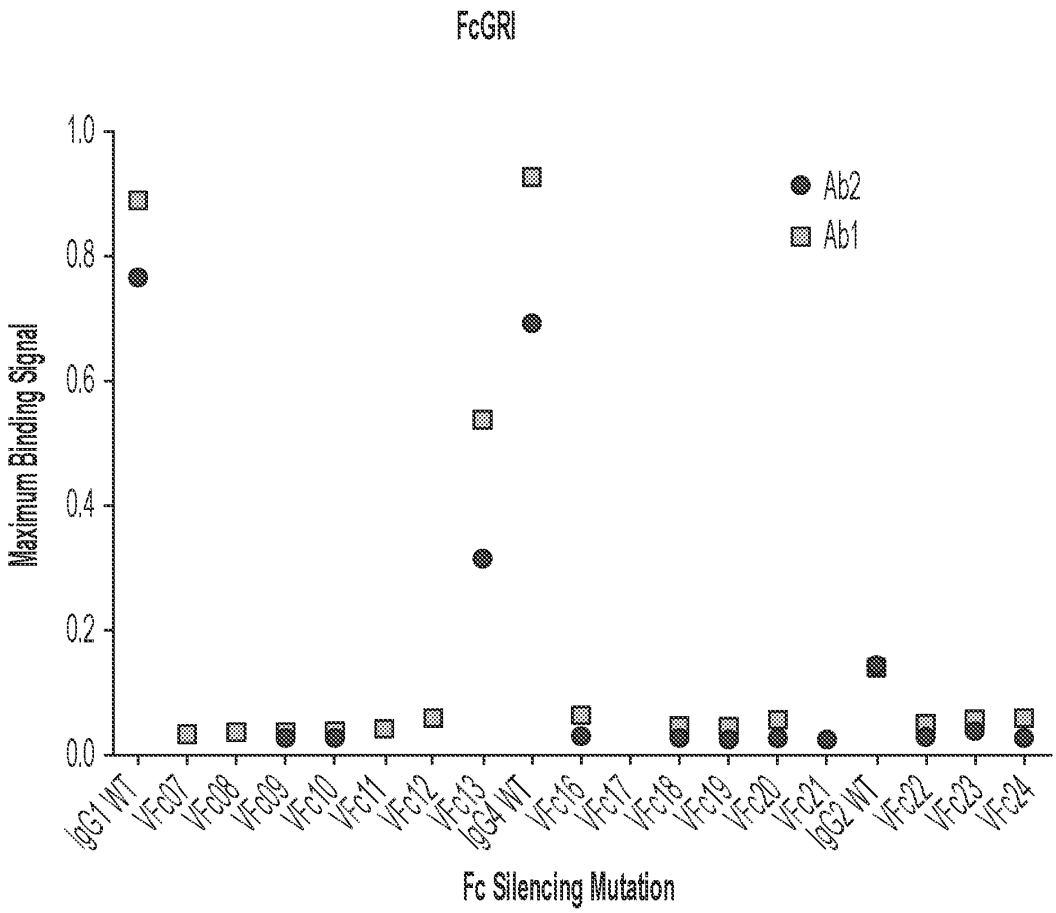

FcGRI
Maximum Binding Signal
1.0
0.8
0.6
0.4
0.2
0.0
Ab2
Ab1
IgG1 WT
VFc07
VFc08
VFc09
VFc10
VFc11
VFc12
VFc13
IgG4 WT
VFc16
VFc17
VFc18
VFc19
VFc20
VFc21
IgG2 WT
VFc22
VFc23
VFc24
Fc Silencing Mutation

FIG. 1A

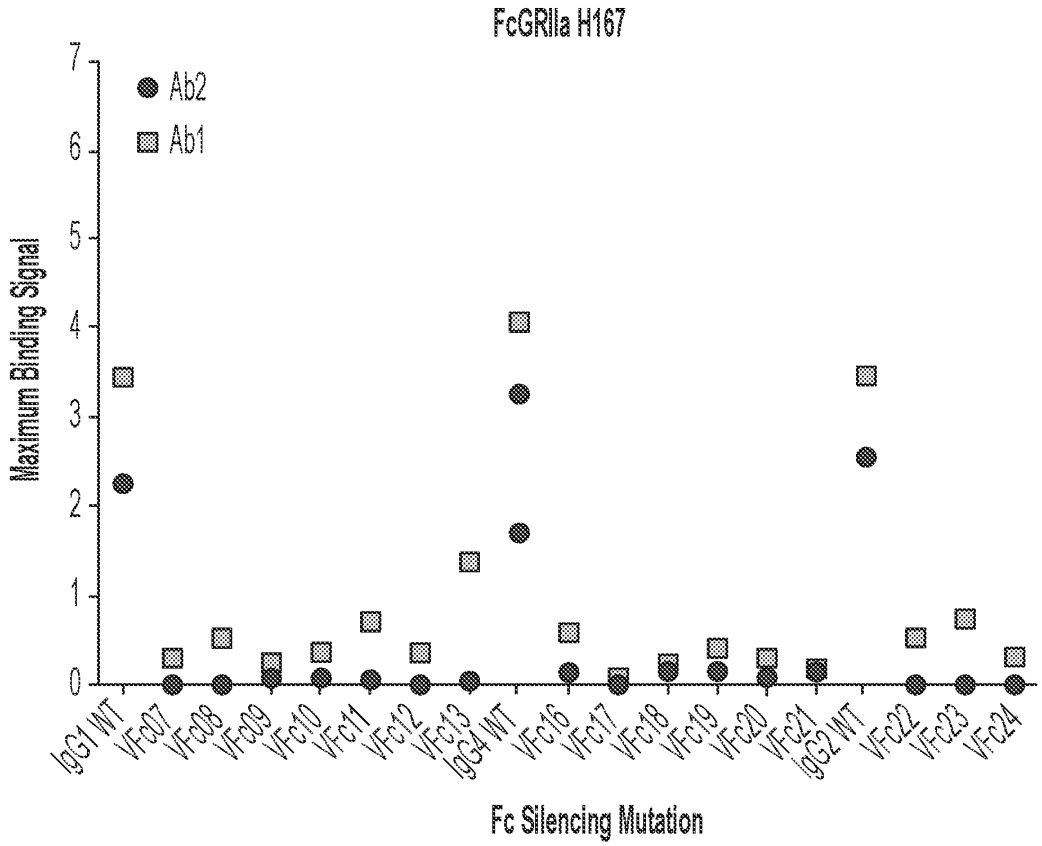

FcGRIIa H167
Ab2
Ab1
Maximum Binding Signal
0
1
2
3
4
5
6
7
IgG1 WT
VFc07
VFc08
VFc09
VFc10
VFc11
VFc12
VFc13
IgG4 WT
VFc16
VFc17
VFc18
VFc19
VFc20
VFc21
IgG2 WT
VFc22
VFc23
VFc24
Fc Silencing Mutation

FIG. 1B

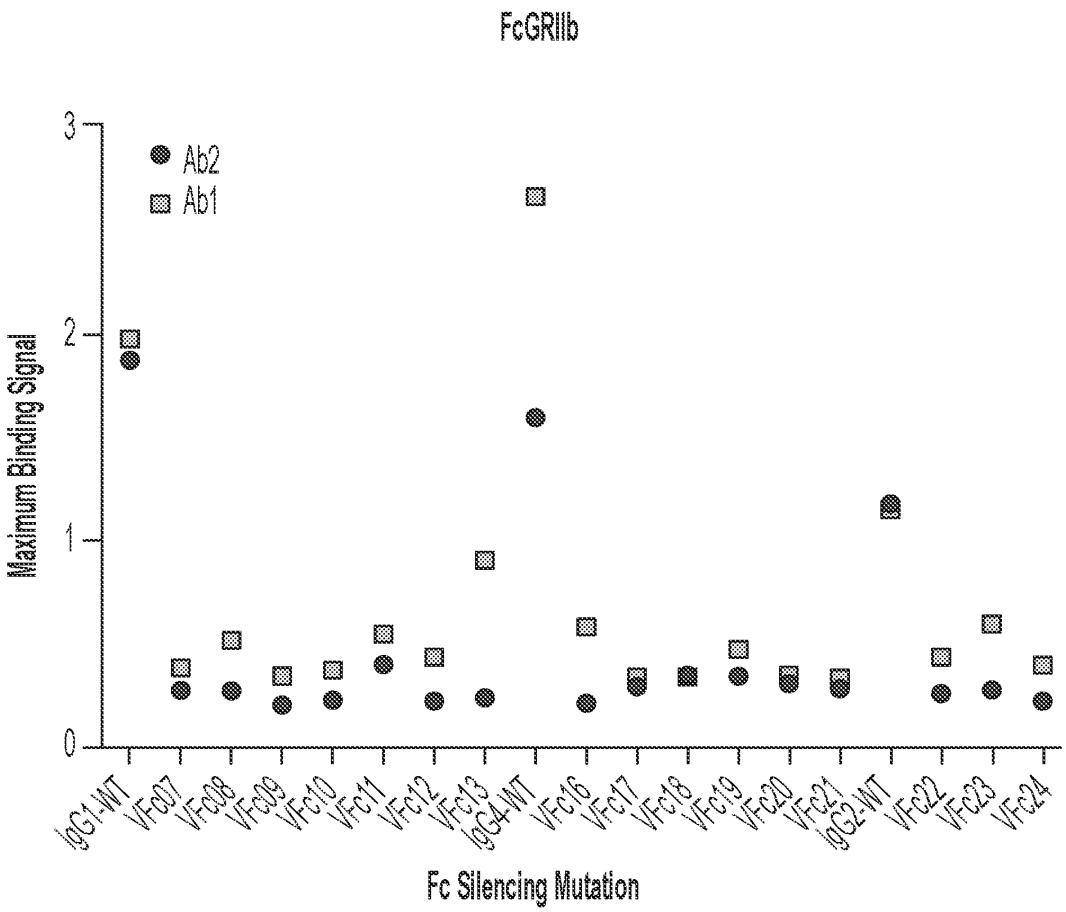

FcGRIIb
Maximum Binding Signal
3
2
1
0
Ab2
Ab1
IgG1-WT
VFc07
VFc08
VFc09
VFc10
VFc11
VFc12
VFc13
IgG4-WT
VFc16
VFc17
VFc18
VFc19
VFc20
VFc21
IgG2-WT
VFc22
VFc23
VFc24
Fc Silencing Mutation

FIG. 1C

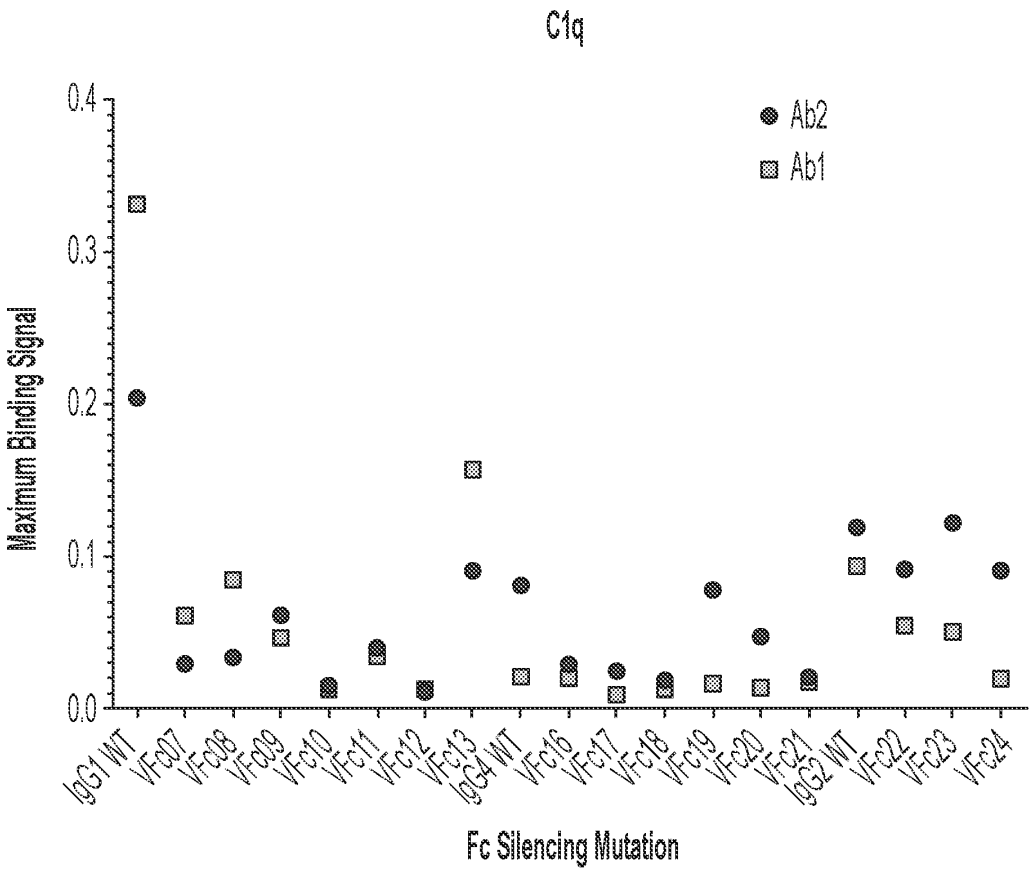
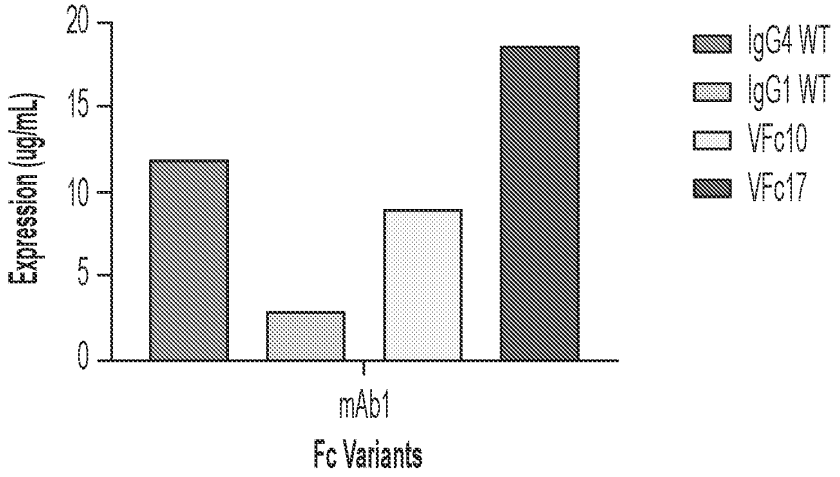
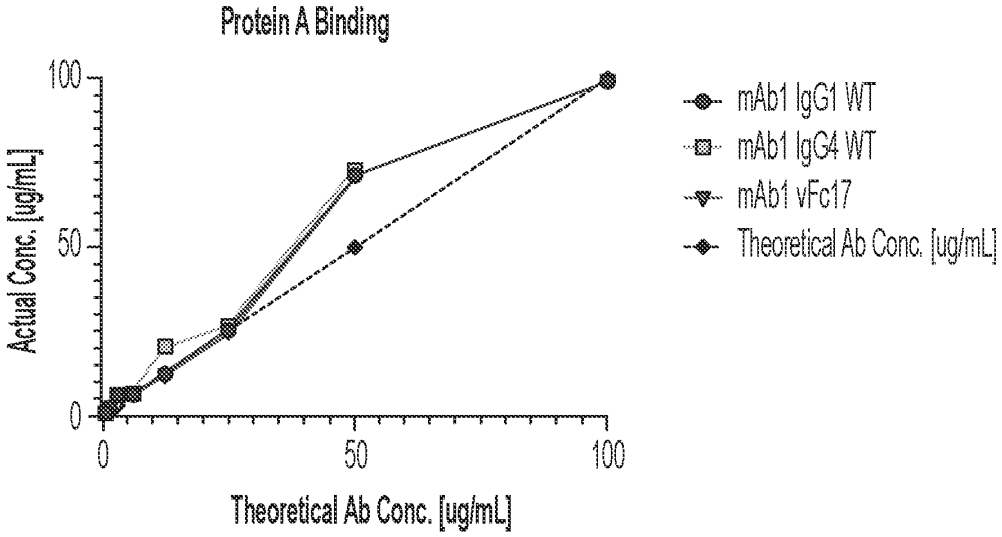

C1q
Ab2
Ab1
Maximum Binding Signal
0.4
0.3
0.2
0.1
0.0
IgG1 WT
VFc07
VFc08
VFc09
VFc10
VFc11
VFc12
VFc13
IgG4 WT
VFc16
VFc17
VFc18
VFc19
VFc20
VFc21
IgG2 WT
VFc22
VFc23
VFc24
Fc Silencing Mutation

FIG. 1D



	mAb1 (µg/mL)
IgG1 WT	2.8
IgG4-S228P WT	11.9
VFc10	8.9
VFc17	18.6

FIG. 2A



Theoretical Ab Conc. [ug/mL]	mAb1 IgG1 WT	mAb1 IgG4 WT	mAb1 VFc17
100	99.2	302.9*	99.2
50	71.3	72.9	71.2
25	25.4	26.6	24.7
12.5	12.4	20.5	11.8
6.25	6.27	6.66	6.24
3.125	6.2	6.21	3.05
1.5625	2.34	2.33	1.49
0.78125	0.8274	0.7643	0.778

FIG. 2B

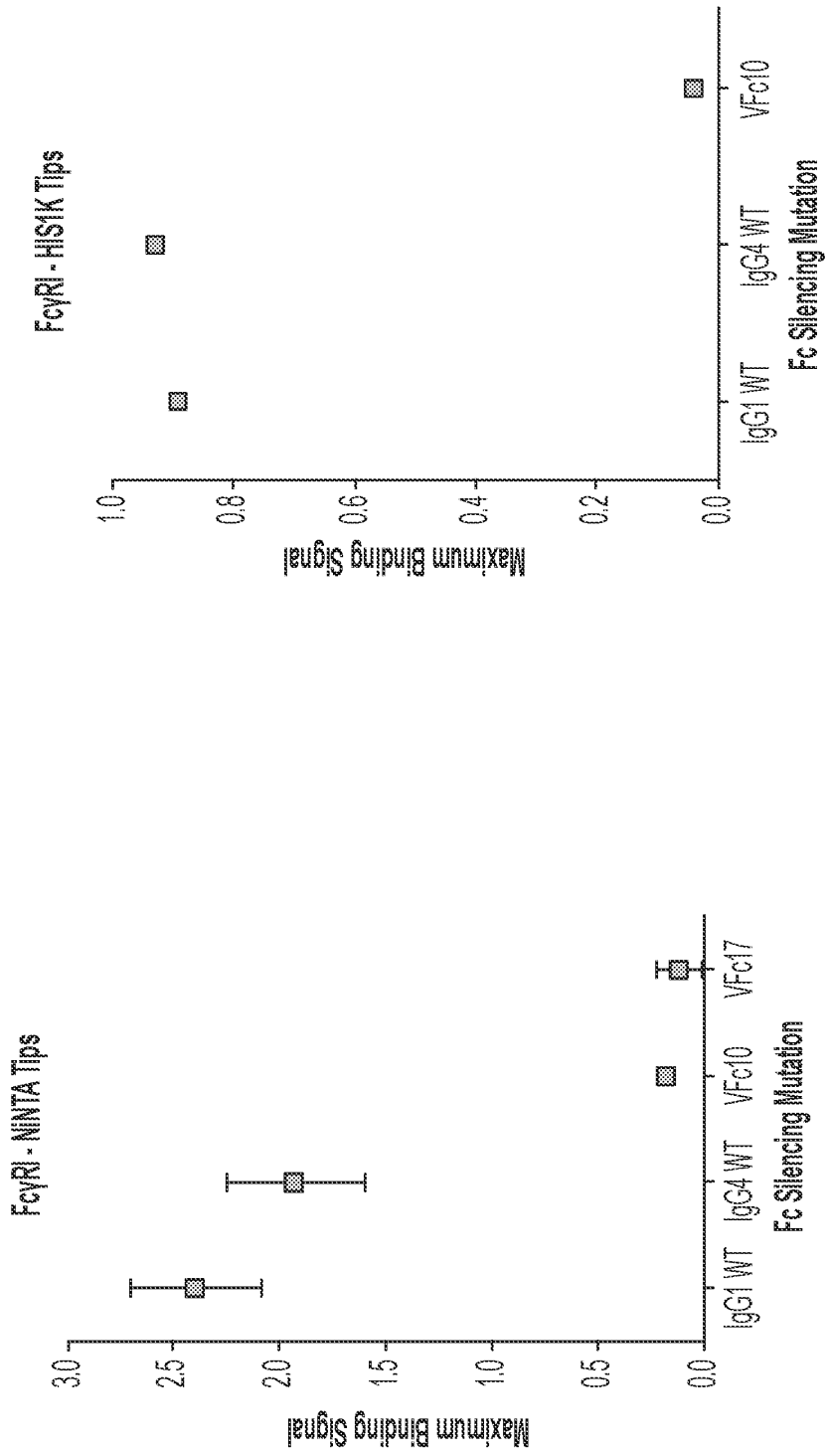
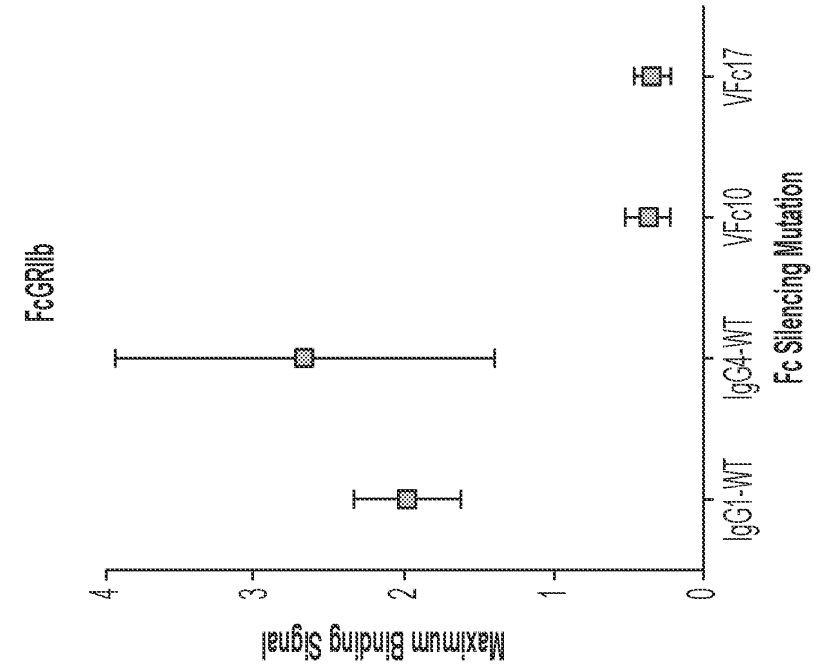

FcγRI - HIS1K Tips
Maximum Binding Signal
1.0
0.8
0.6
0.4
0.2
0.0
IgG1 WT
IgG4 WT
VFc10
Fc Silencing Mutation
FcγRI - NiNTA Tips
Maximum Binding Signal
3.0
2.5
2.0
1.5
1.0
0.5
0.0
IgG1 WT
IgG4 WT
VFc10
VFc17
Fc Silencing Mutation

FIG. 3A


FcγRIIb
Maximum Binding Signal
0
1
2
3
4
IgG1-WT
IgG4-WT
VFc10
VFc17
Fc Silencing Mutation

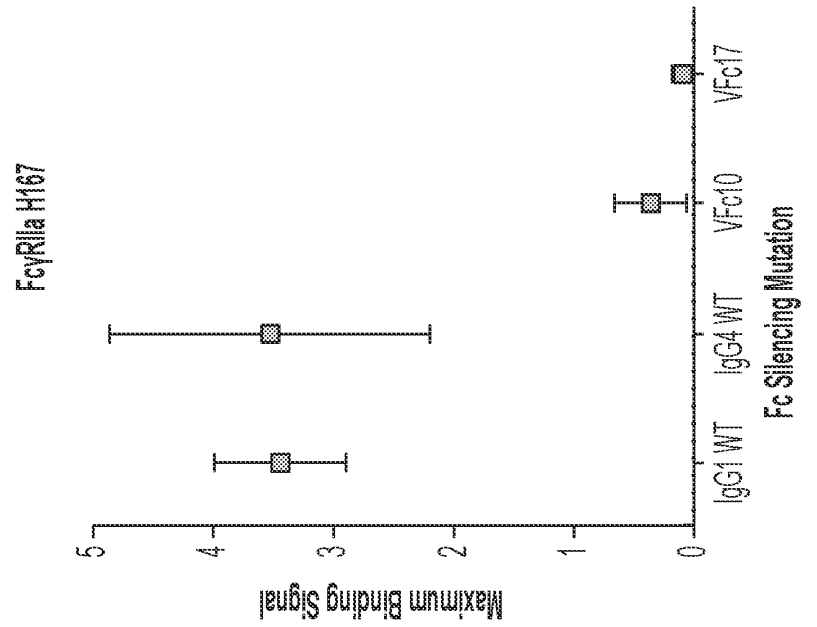

FcγRIIa H167
Maximum Binding Signal
0
1
2
3
4
5
IgG1 WT
IgG4 WT
VFc10
VFc17
Fc Silencing Mutation

FIG. 3B

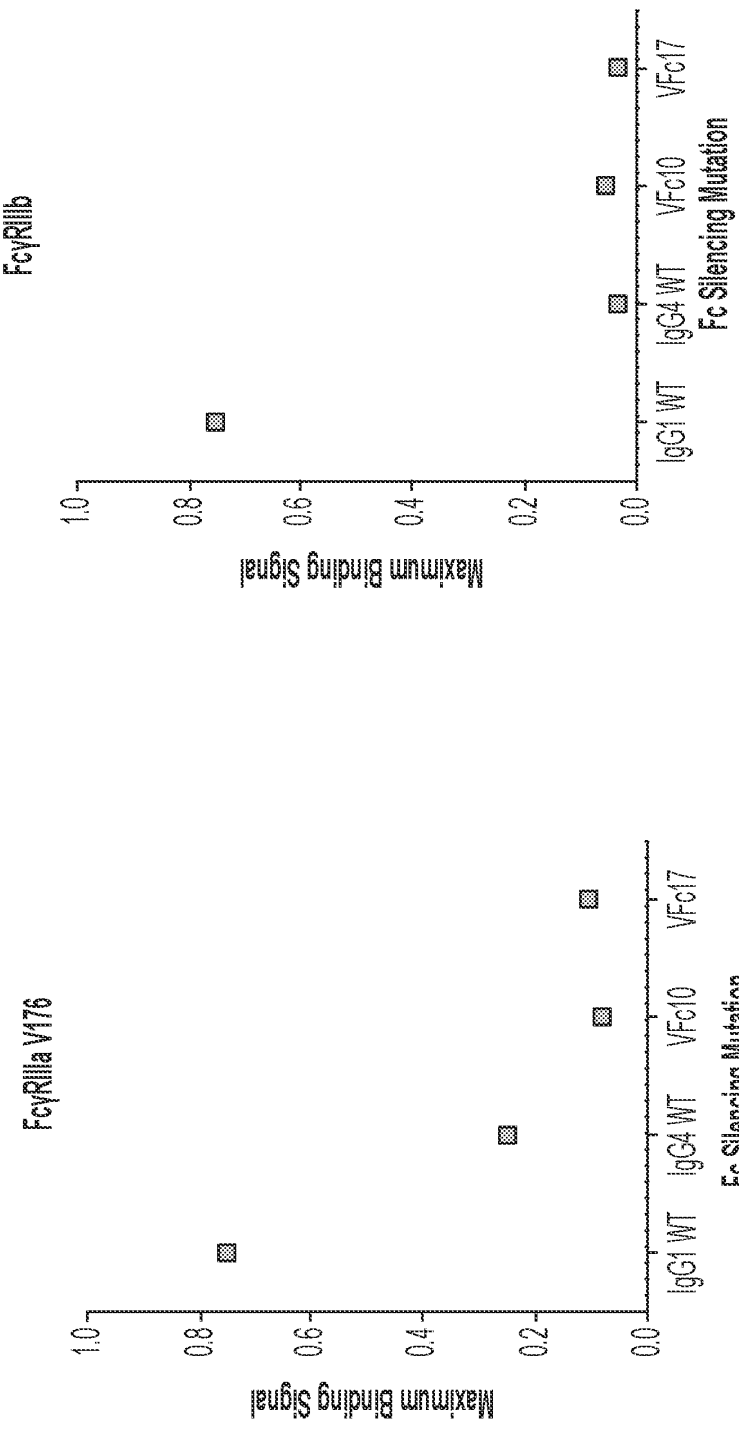

FcγRIIIb
Maximum Binding Signal
1.0
0.8
0.6
0.4
0.2
0.0
IgG1 WT
IgG4 WT
VFc10
VFc17
Fc Silencing Mutation
FcγRIIIa V176
Maximum Binding Signal
1.0
0.8
0.6
0.4
0.2
0.0
IgG1 WT
IgG4 WT
VFc10
VFc17
Fc Silencing Mutation

FIG. 3C

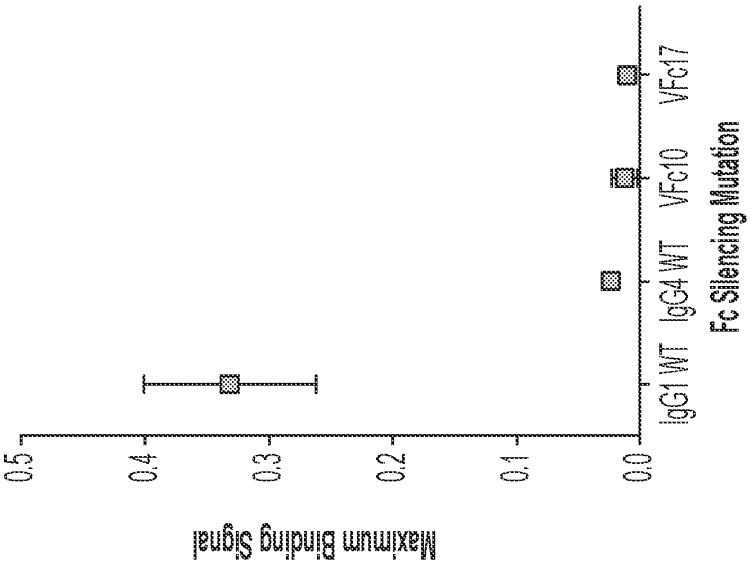

C1q
Maximum Binding Signal
0.5
0.4
0.3
0.2
0.1
0.0
IgG1 WT
IgG4 WT
VFc10
VFc17
Fc Silencing Mutation

FIG. 3D

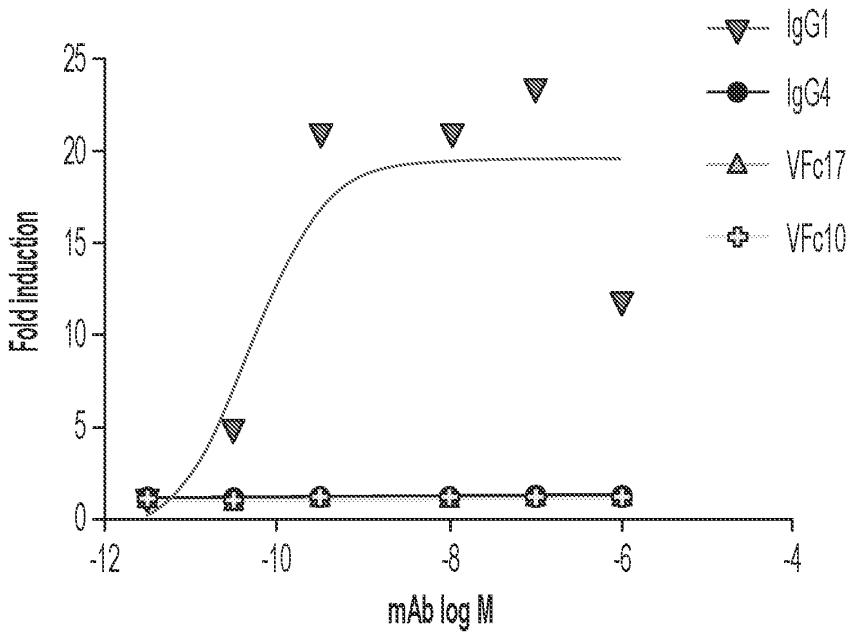

IgG1
IgG4
VFc17
VFc10
Fold induction
25
20
15
10
5
0
-12
-10
-8
-6
-4
mAb log M

FIG. 4A

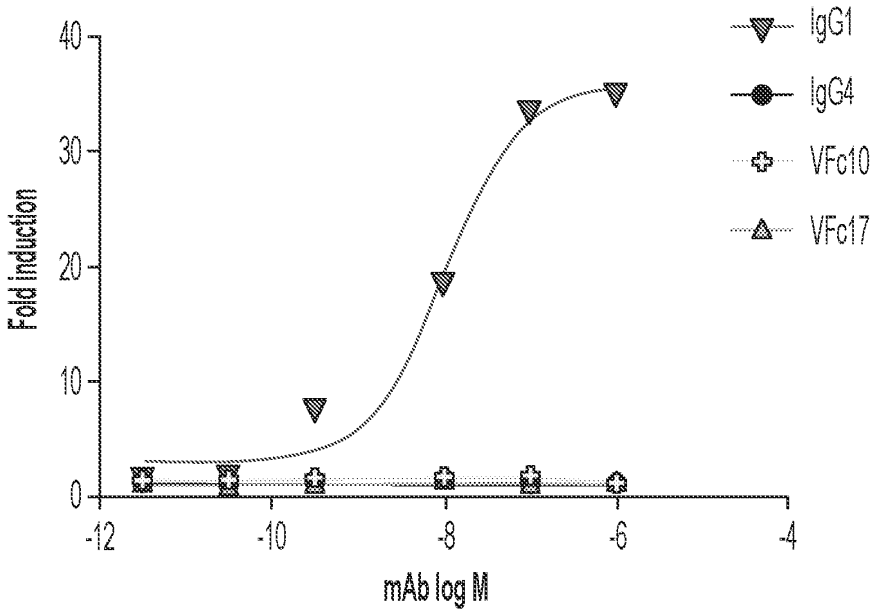

IgG1
IgG4
VFc10
VFc17
Fold induction
40
30
20
10
0
-12
-10
-8
-6
-4
mAb log M

FIG. 4B

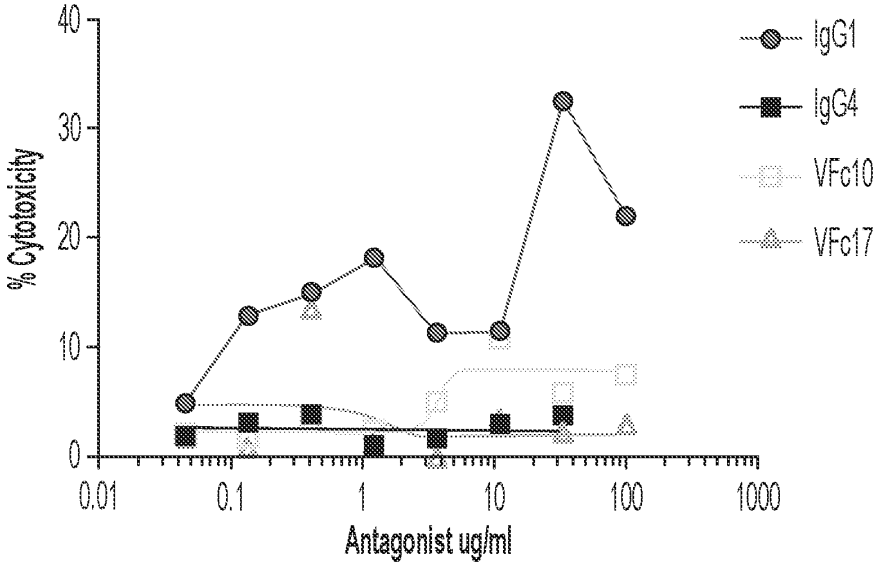

40
30
20
10
0
% Cytotoxicity
0.01
0.1
1
10
100
1000
Antagonist ug/ml
IgG1
IgG4
VFc10
VFc17

FIG. 4C