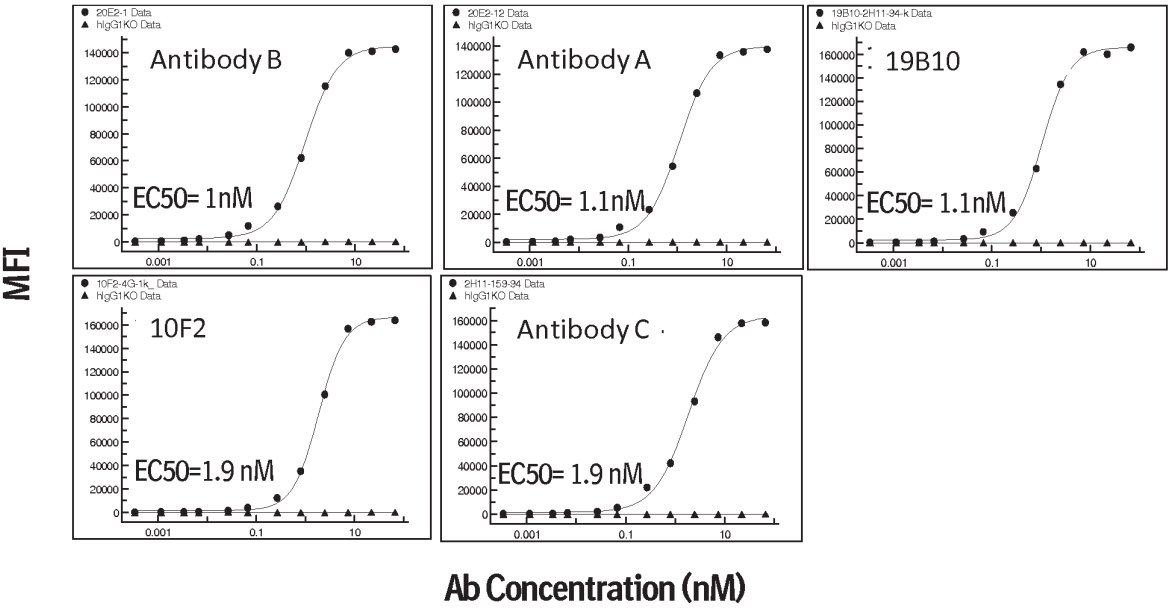
FIGURE 1

A.


MFI
Antibody B
EC50= 1nM
Antibody A
EC50= 1.1nM
19B10
EC50= 1.1nM
10F2
EC50=1.9 nM
Antibody C
EC50= 1.9 nM
Ab Concentration (nM)

B.

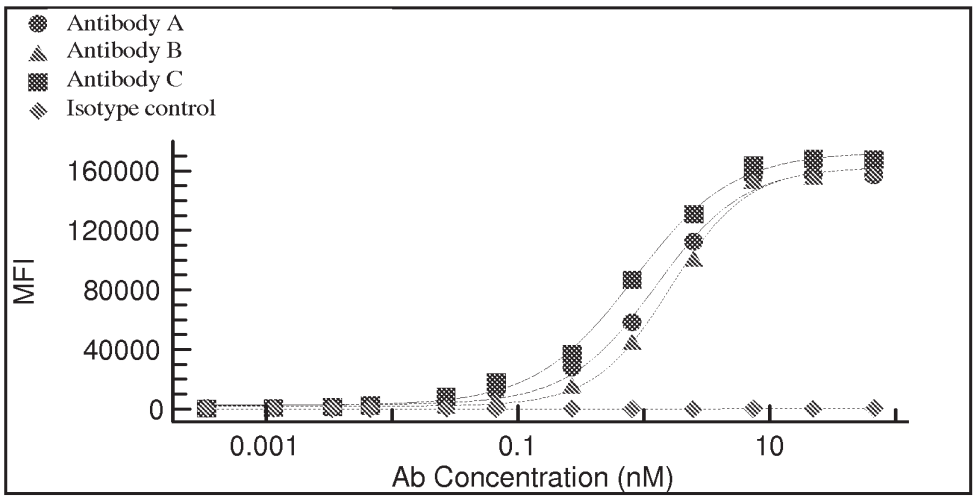

Antibody A
Antibody B
Antibody C
Isotype control
MFI
160000
120000
80000
40000
0
0.001
0.1
10
Ab Concentration (nM)

FIGURE 2

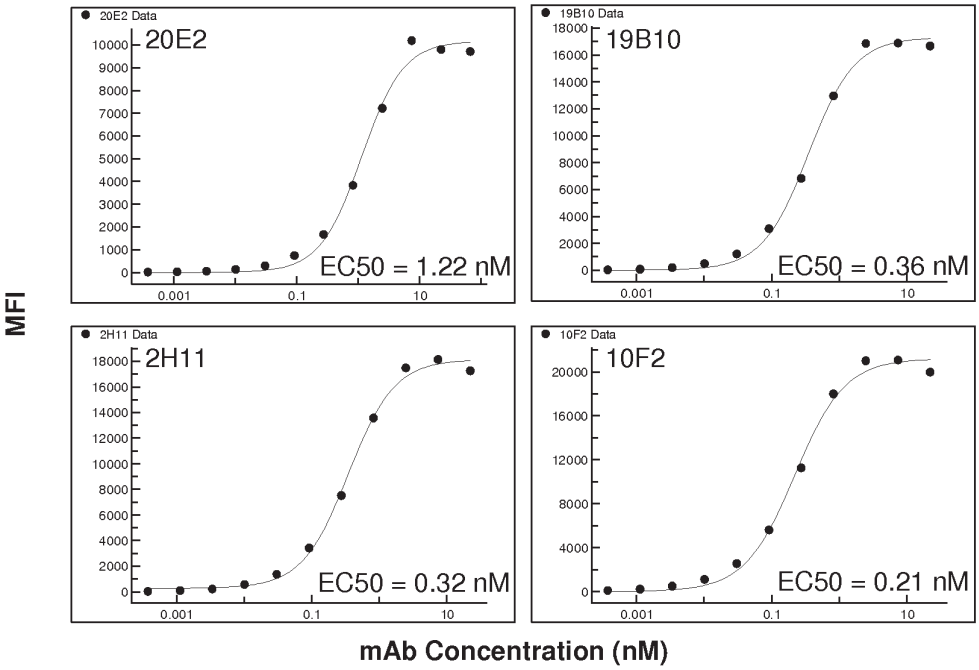
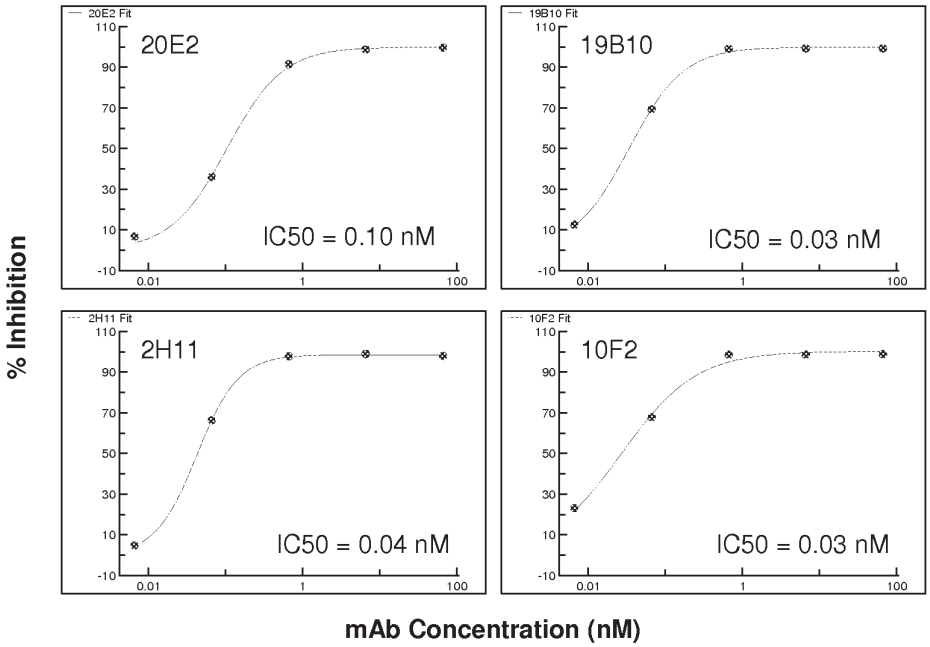

20E2 Data
20E2
EC50 = 1.22 nM
19B10 Data
19B10
EC50 = 0.36 nM
2H11 Data
2H11
EC50 = 0.32 nM
10F2 Data
10F2
EC50 = 0.21 nM
MFI
mAb Concentration (nM)

FIGURE 3

A.


20E2 Fit
20E2
IC50 = 0.10 nM
19B10 Fit
19B10
IC50 = 0.03 nM
2H11 Fit
2H11
IC50 = 0.04 nM
10F2 Fit
10F2
IC50 = 0.03 nM
% Inhibition
mAb Concentration (nM)

B.

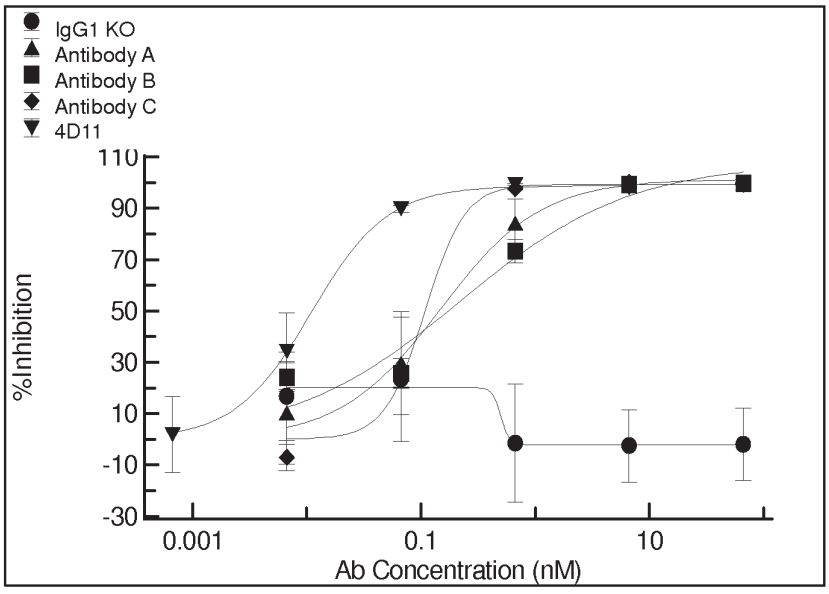

IgG1 KO
Antibody A
Antibody B
Antibody C
4D11
%Inhibition
Ab Concentration (nM)

FIGURE 4

	Human B cell Proliferation Assay		
		Antagonism	Agonism
Antibody Name	Isotype	Avg. IC50 nM ±SEM (n)	SI ±SEM (n)
Antibody B	hIgG1KO	0.2±0.09 (n=3)	1±0.3 (n=3)
Antibody A	hIgG1KO	0.3±0.03 (n=3)	1±0.13 (n=3)
Antibody C	hIgG1KO	0.1±0.01 (n=3)	1±0.06 (n=3)
10F2	hIgG1KO	0.8±0.11 (n=3)	1±0.09 (n=3)
4D11	hIgG4DM	0.02±0.01 (n=3)	1±0.11 (n=3)
G28.5	mIgG1	NT	7±1.94 (n=3)
mu5D12	hIgG4Pro	No Inhibition up to 67nM	18±3.1 (n=3)

NT=Not tested

FIGURE 5

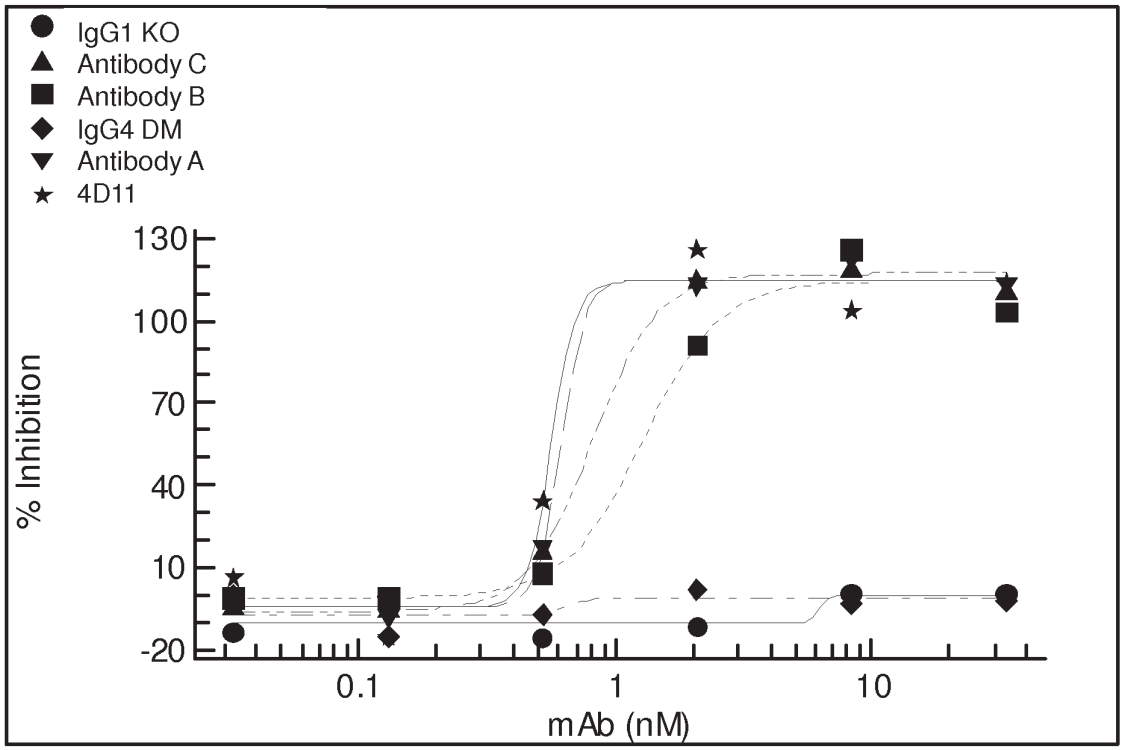


FIGURE 6

A.

mAb (isotype)	IC50 (nM +/- SEM)		Fold Change
	Purified B cells	HWB	
Antibody B	0.6 +/- 0.3 (n=4)	1.3 +/- 0.7(n=4)	2.2
4D11 (hIgG4 DM)	0.03 +/- 0.01 (n=5)	0.6 +/- 0.3 (n=4)	20.0

B.

mAb (isotype)	IC90 (nM +/- SEM)		Fold Change
	Purified B cells	HWB	
Antibody B	5.3 +/- 2.4 (n=4)	4.3 +/- 2.1 (n=4)	0.8
4D11 (hIgG4 DM)	0.05 +/- 0.02 (n=5)	1.3 +/- 0.64 (n=4)	26

FIGURE 7

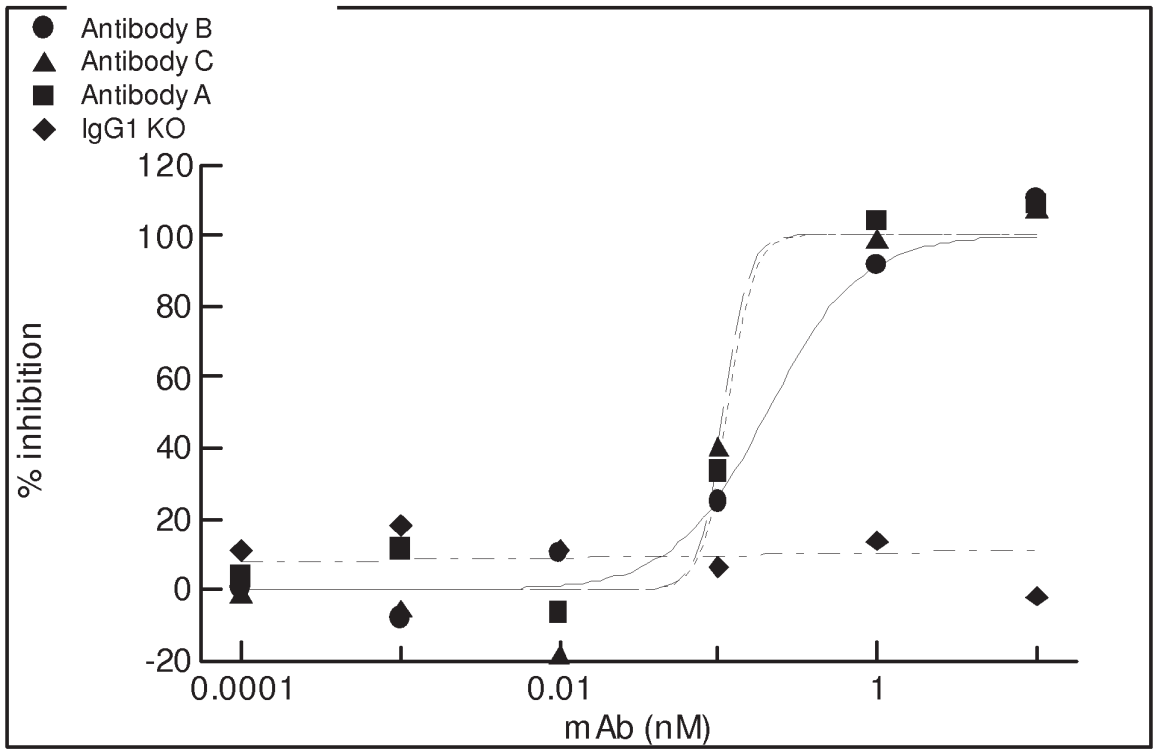


FIGURE 8

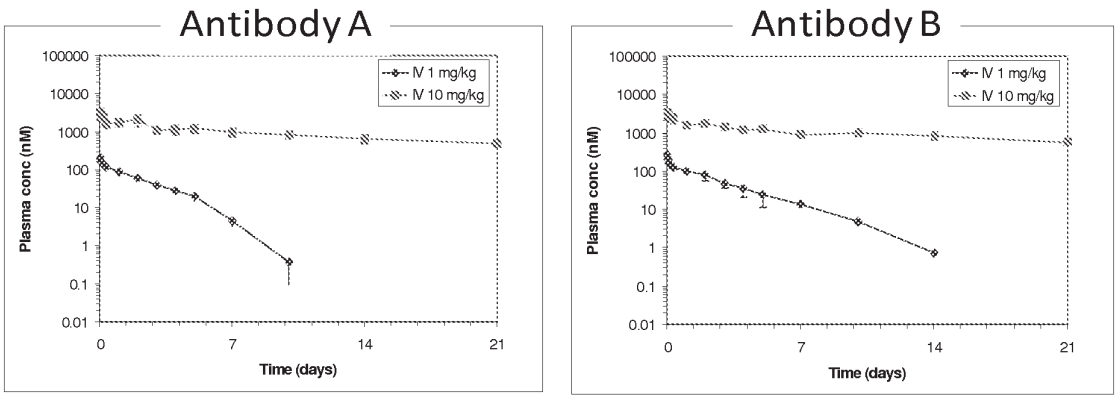


FIGURE 9

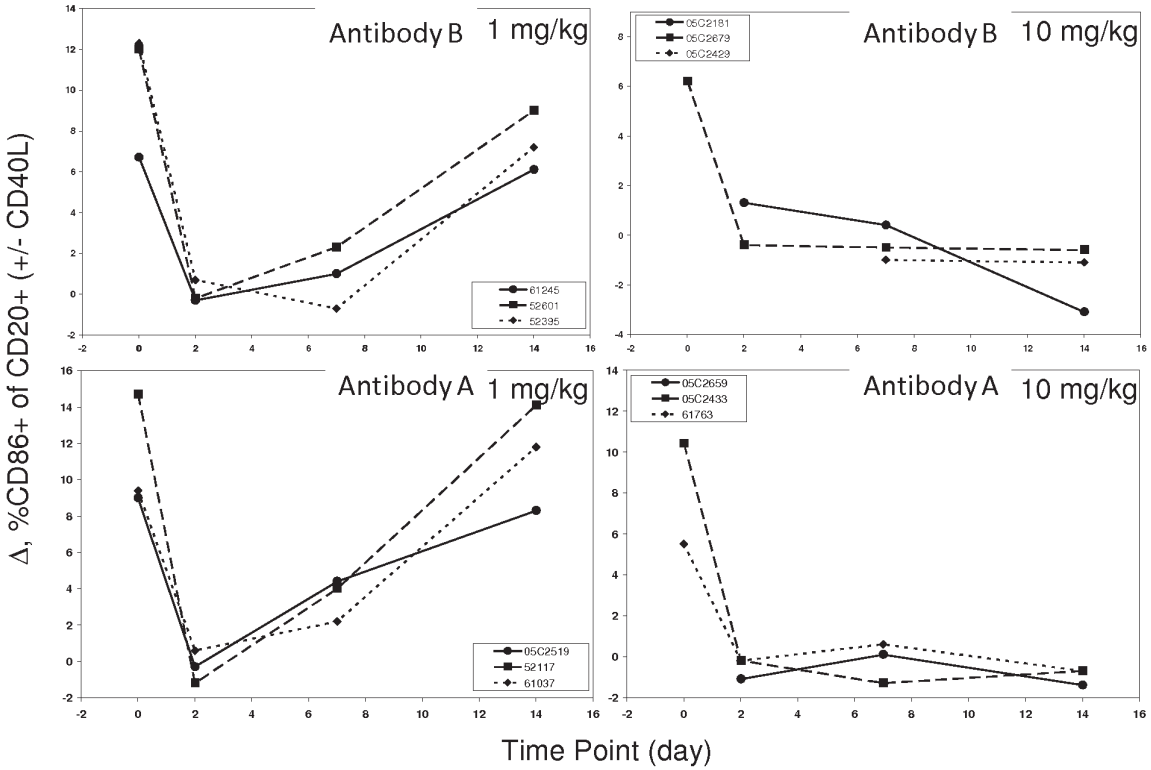
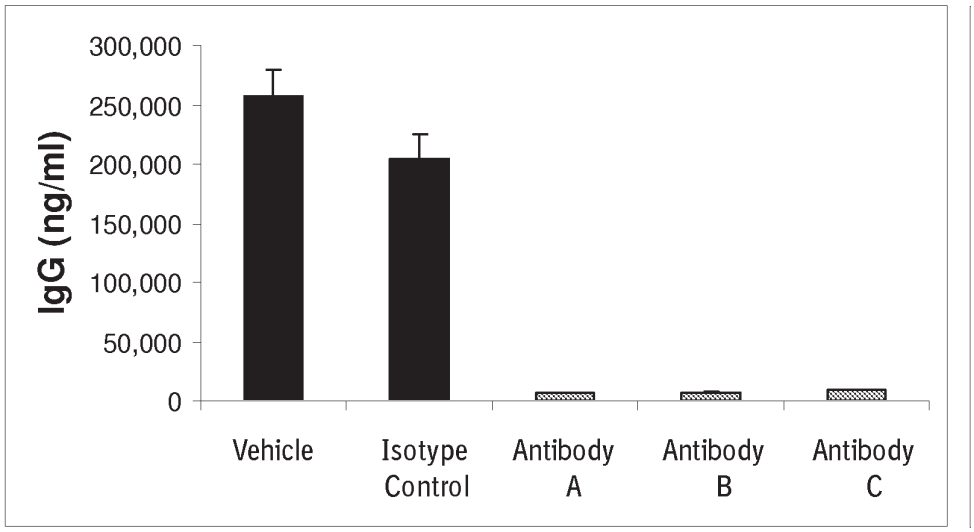


FIGURE 10

A.


IgG (ng/ml)
300,000
250,000
200,000
150,000
100,000
50,000
0
Vehicle
Isotype Control
Antibody A
Antibody B
Antibody C

B.

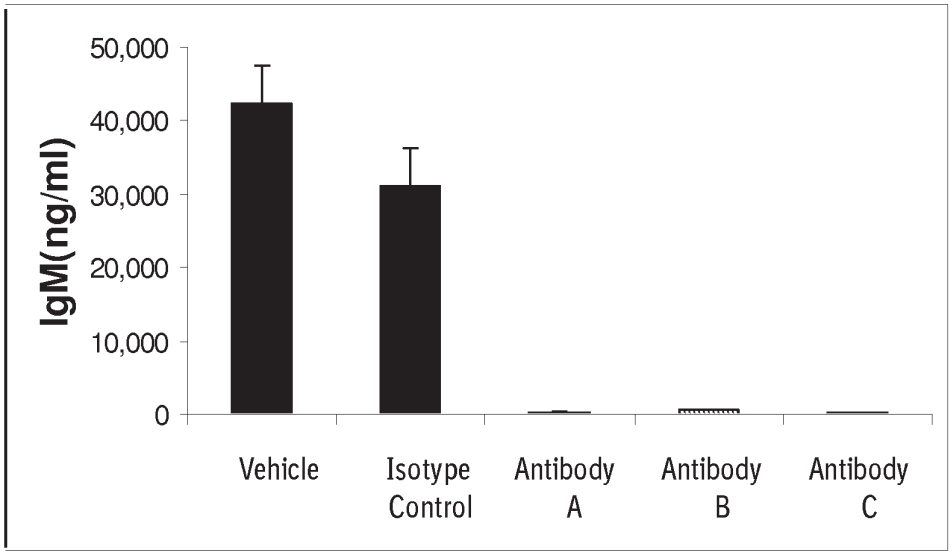

IgM(ng/ml)
50,000
40,000
30,000
20,000
10,000
0
Vehicle
Isotype Control
Antibody A
Antibody B
Antibody C

FIGURE 11

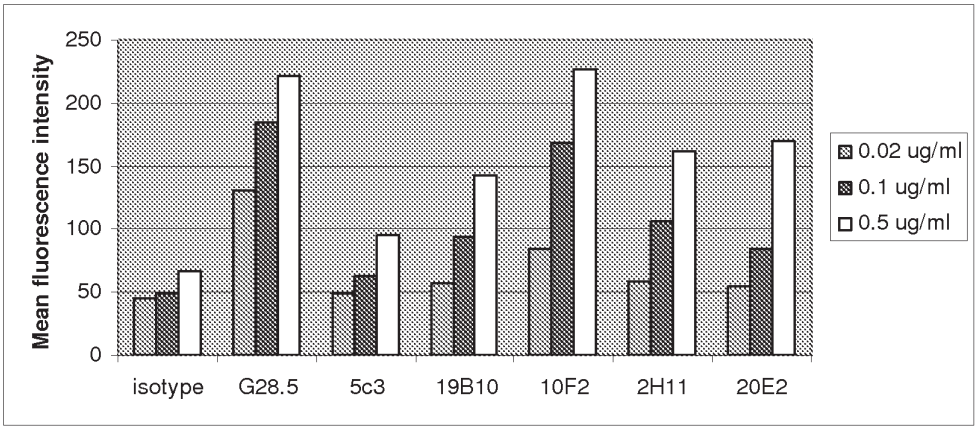
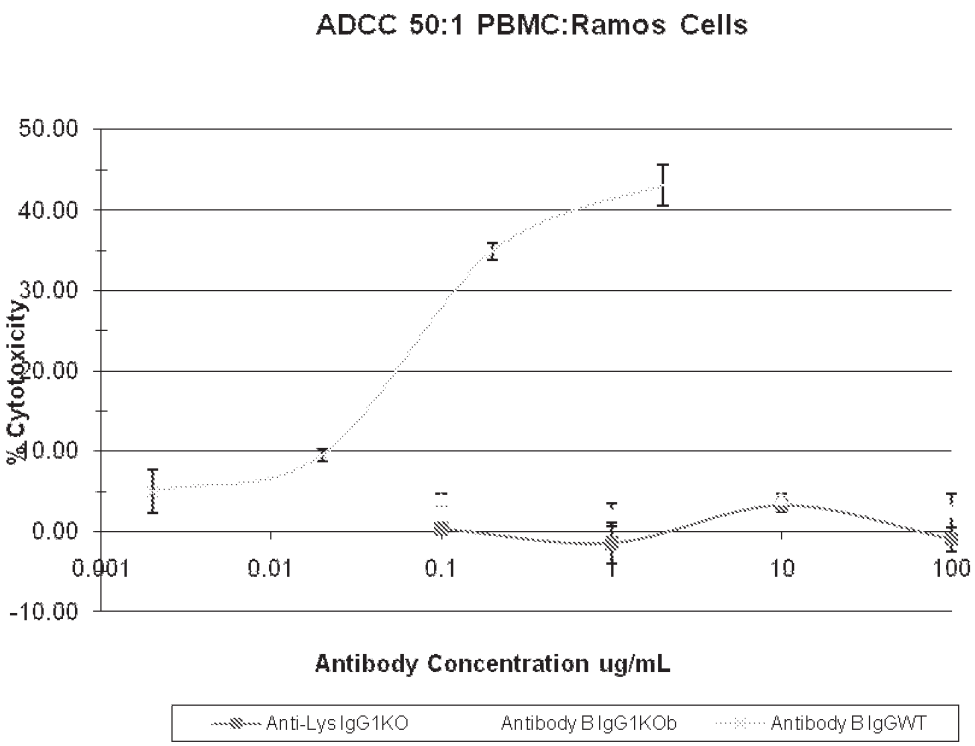


FIGURE 12

	EC50 nM (range)	
	Antibody B	4D11
B cells		
Human (n = 6)	1.8 (1.2 to 2.3)	0.3 (0.1 to 0.3)
Cynomolgus (n = 5)	2.1 (1.4 to 2.9)	0.7 (0.6 to 0.8)
Platelets		
Human (n = 5)	4.6 (2.5 to 5.8)	0.7 (0.4 to 0.9)
Cynomolgus (n = 5)	3.9 (2.7 to 6.2)	1.2 (0.9 to 1.7)

FIGURE 13


ADCC 50:1 PBMC:Ramos Cells
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
% Cytotoxicity
0.001
0.01
0.1
1
10
100
Antibody Concentration ug/mL
Anti-Lys IgG1KO
Antibody B IgG1KOb
Antibody B IgGWT