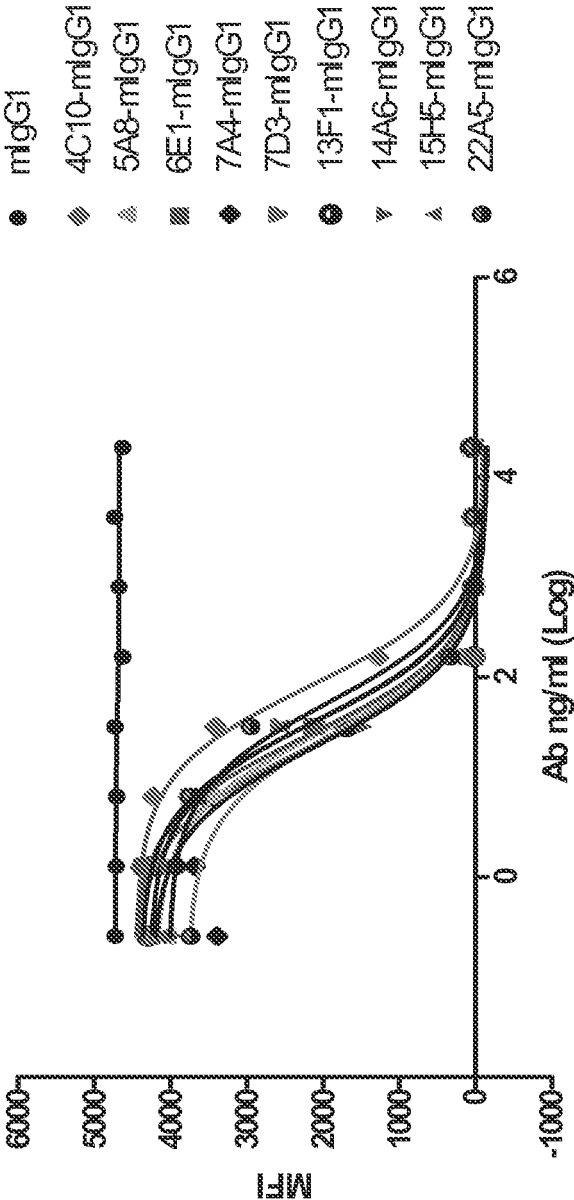


Figure 1A

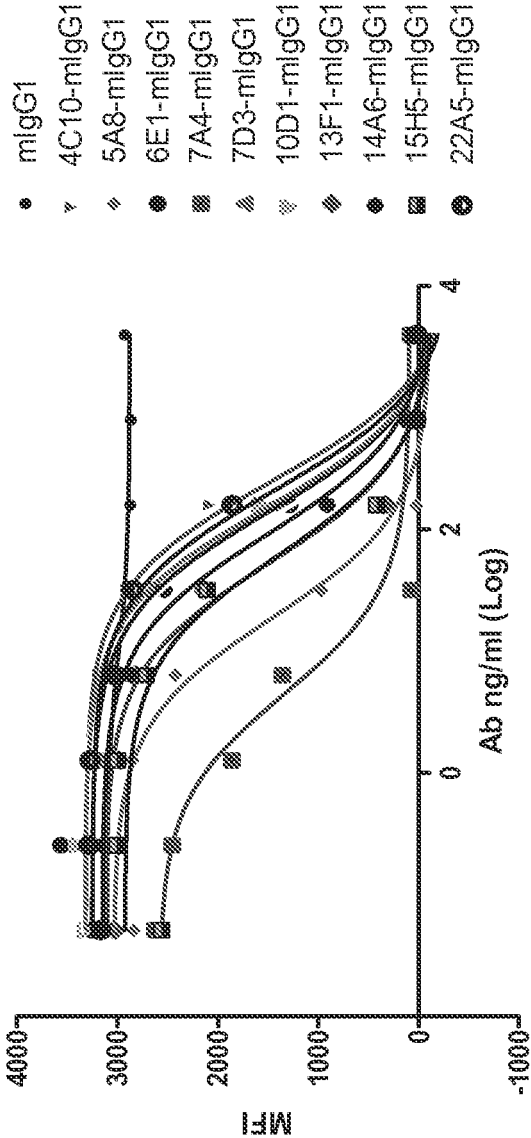
Blockage of PDL1's binding to 293T-PD1 cells by anti-PD1 Abs



ng/ml	mIgG1	4C10-mIgG1	5A8-mIgG1	6E1-mIgG1	7A4-mIgG1	7D3-mIgG1	13F1-mIgG1	14A6-mIgG1	15H5-mIgG1	22A5-mIgG1
IC50		83.32	28.22	26.85	28.85	38	19.86	21.13	35.64	56.22

Figure 1B

Blockage of PDL2's binding to 293T-PD1 cells by anti-PD1 Abs



ng/ml	4C10-mlgG1	5A8-mlgG1	6E1-mlgG1	7A4-mlgG1	7D3-mlgG1	10D1-mlgG1	13F1-mlgG1	14A6-mlgG1	15H5-mlgG1	22A5-mlgG1
IC50	250.7	18.84	113.7	4.449	140.5	150	52.93	91.98	63.04	210.1

Figure 2

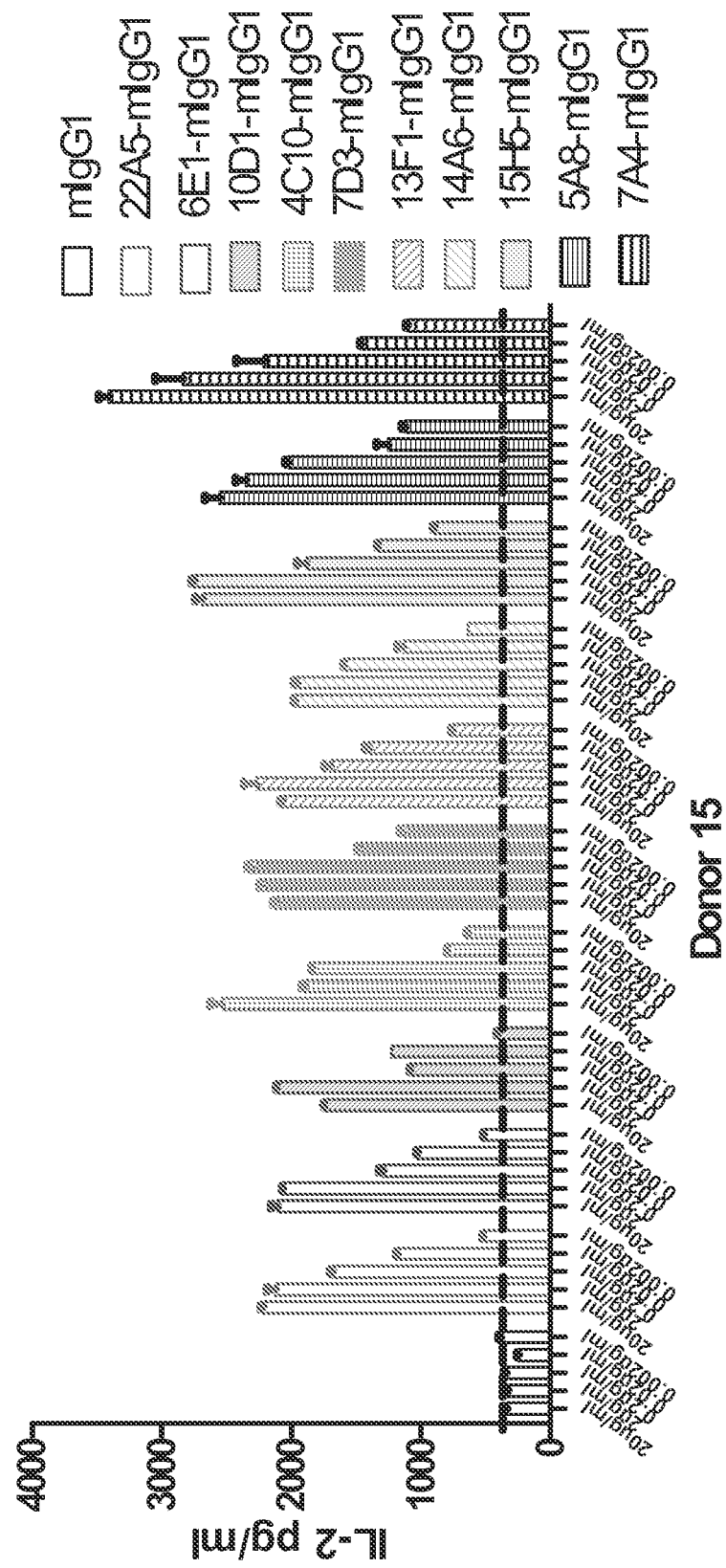


Figure 3

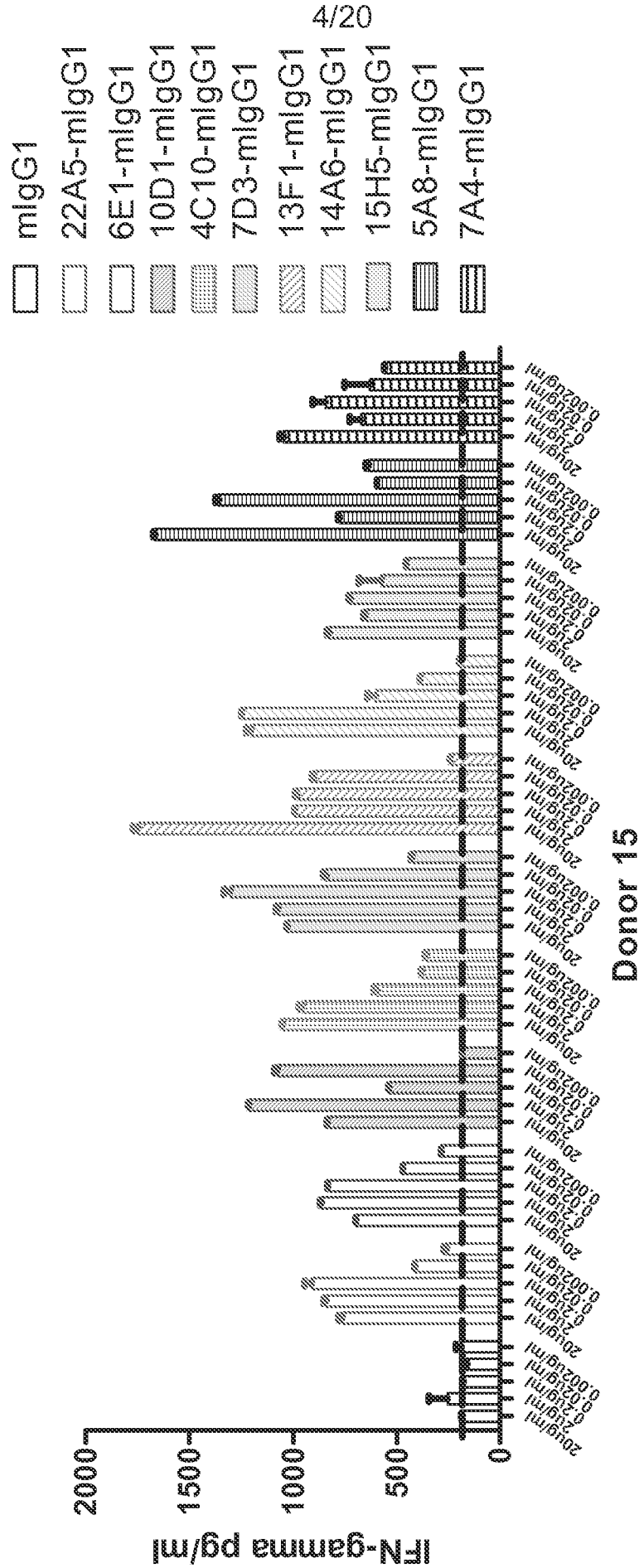


Figure 4

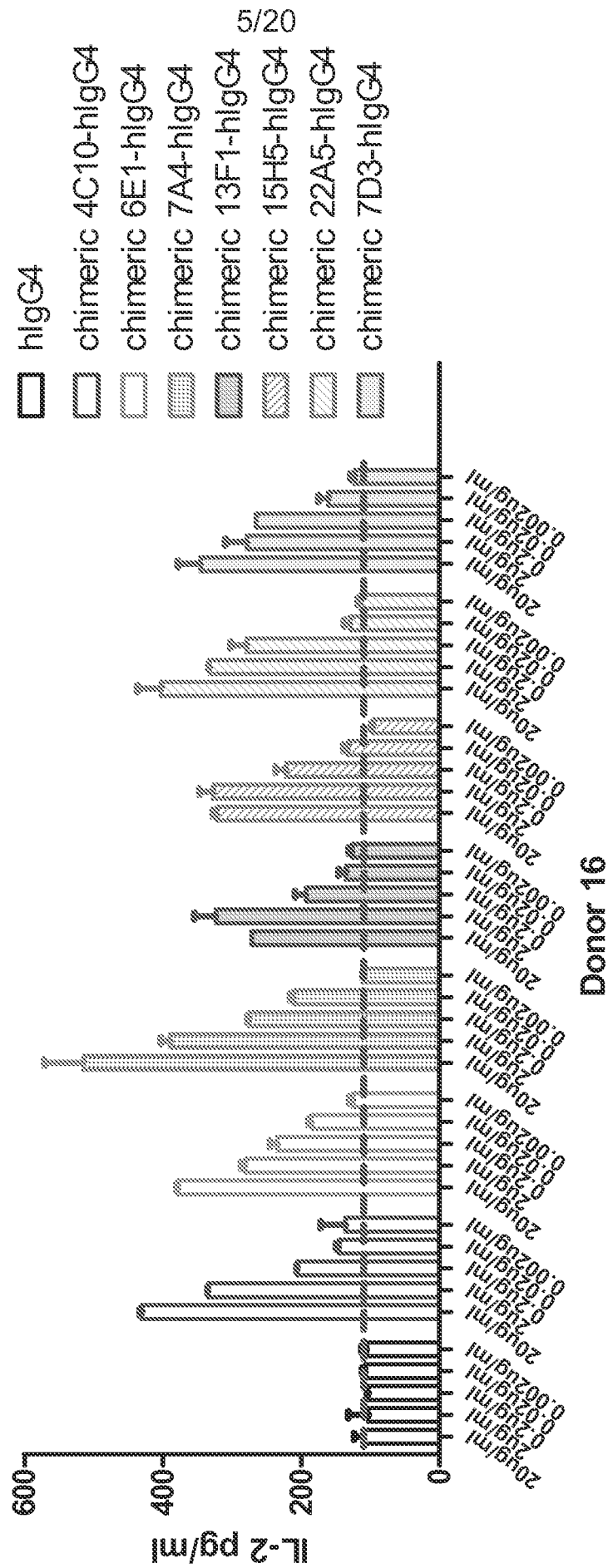


Figure 5

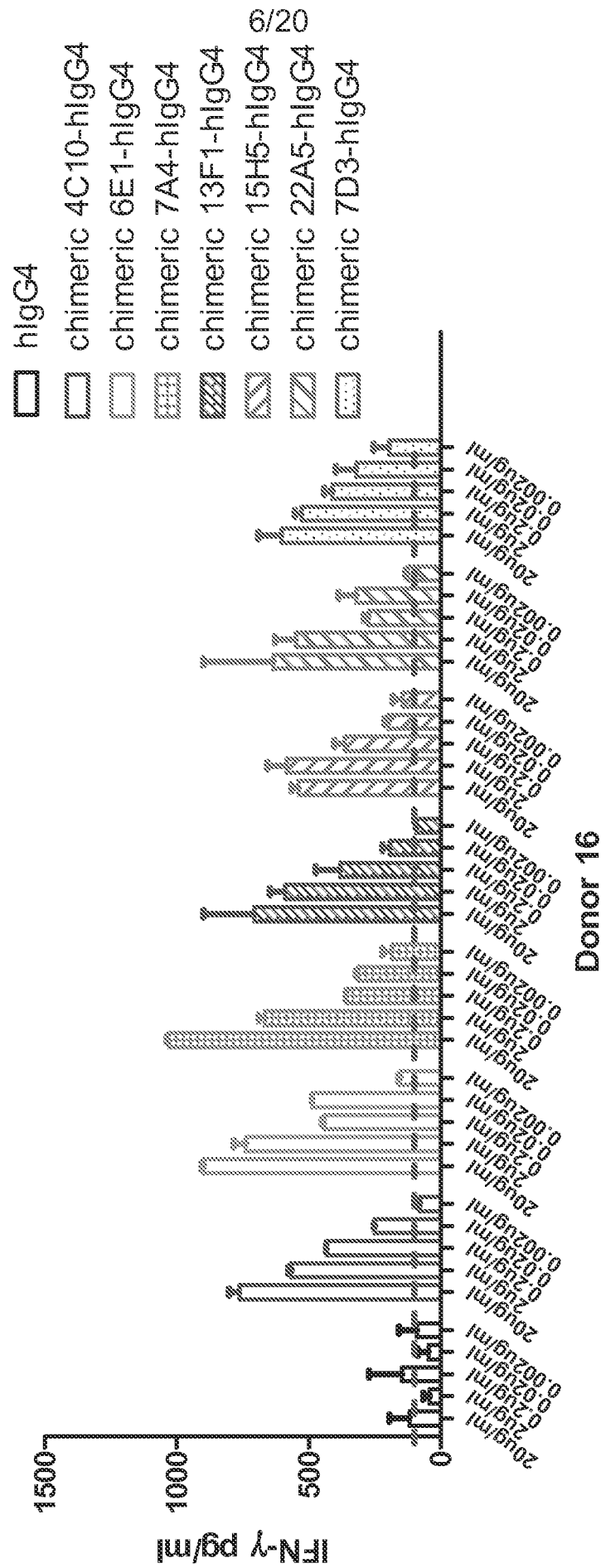
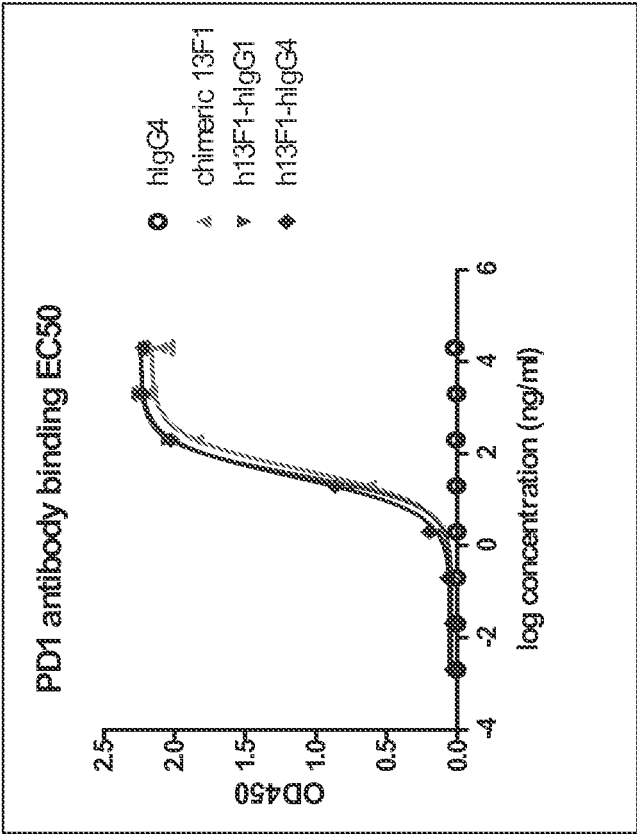


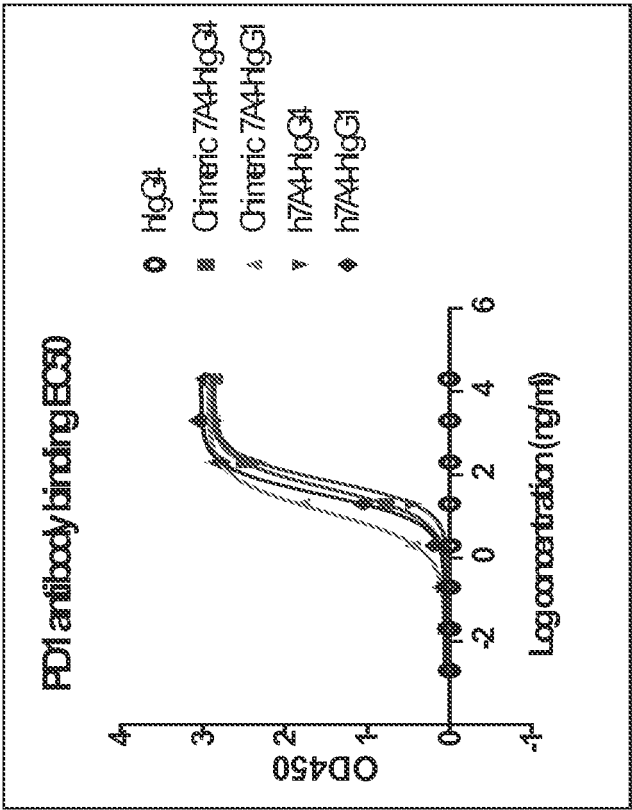
Figure 6

A



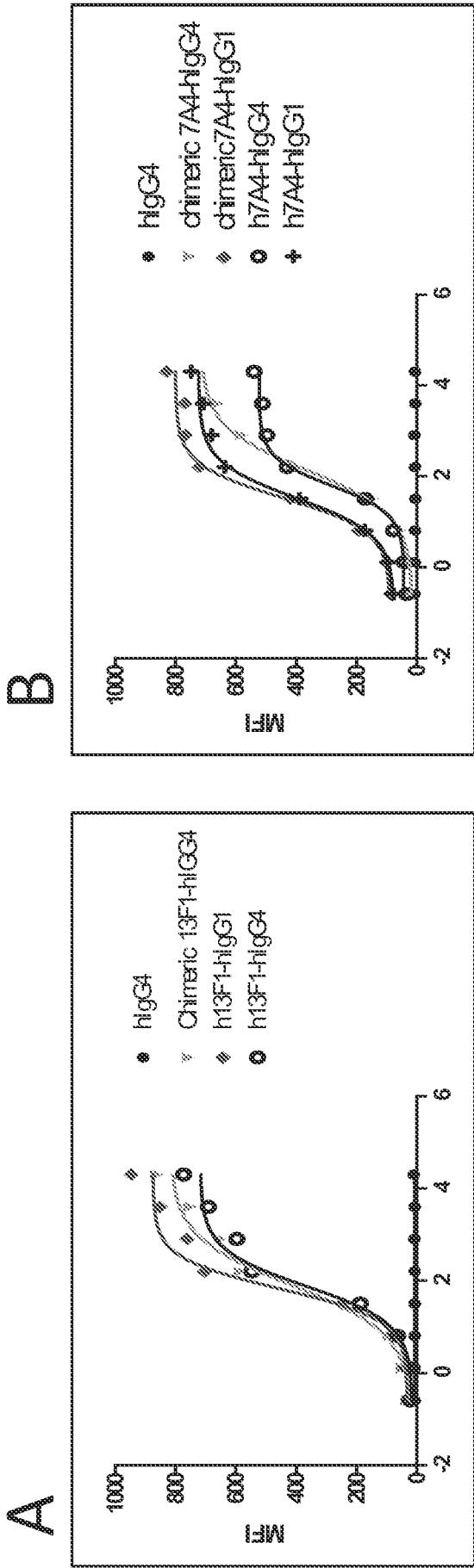
ng/ml	13F1-chimeric	h13F1-hlgG1	h3F1-hlgG4
EC50	45.59	35.65	30.98

B



ng/ml	Chimeric 7A4-hlgG4	Chimeric 7A4-hlgG1	h7A4-hlgG4	h7A4-hlgG1
EC50	47.37	12.77	70.71	33.07

Figure 7



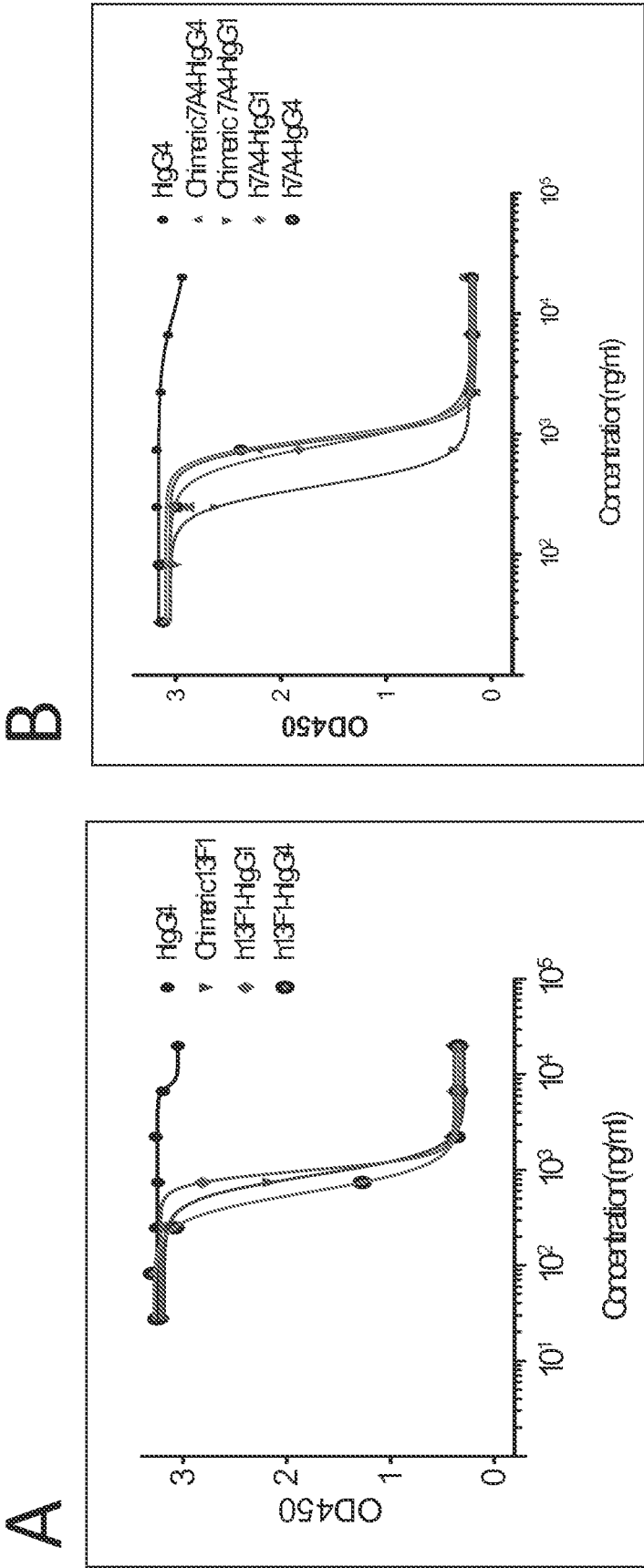
Ab conc. (log) (ng/ml)

ng/ml	Chimeric 13F1-hlgG4	h13F1-hlgG1	h3F1-hlgG4
EC50	81.48	66.83	76.26

Ab conc. (log) (ng/ml)

ng/ml	Chimeric 7A4-hlgG4	Chimeric 7A4-hlgG1	h7A4-hlgG4	h7A4-hlgG1
EC50	137.3	33.73	62.14	33.2

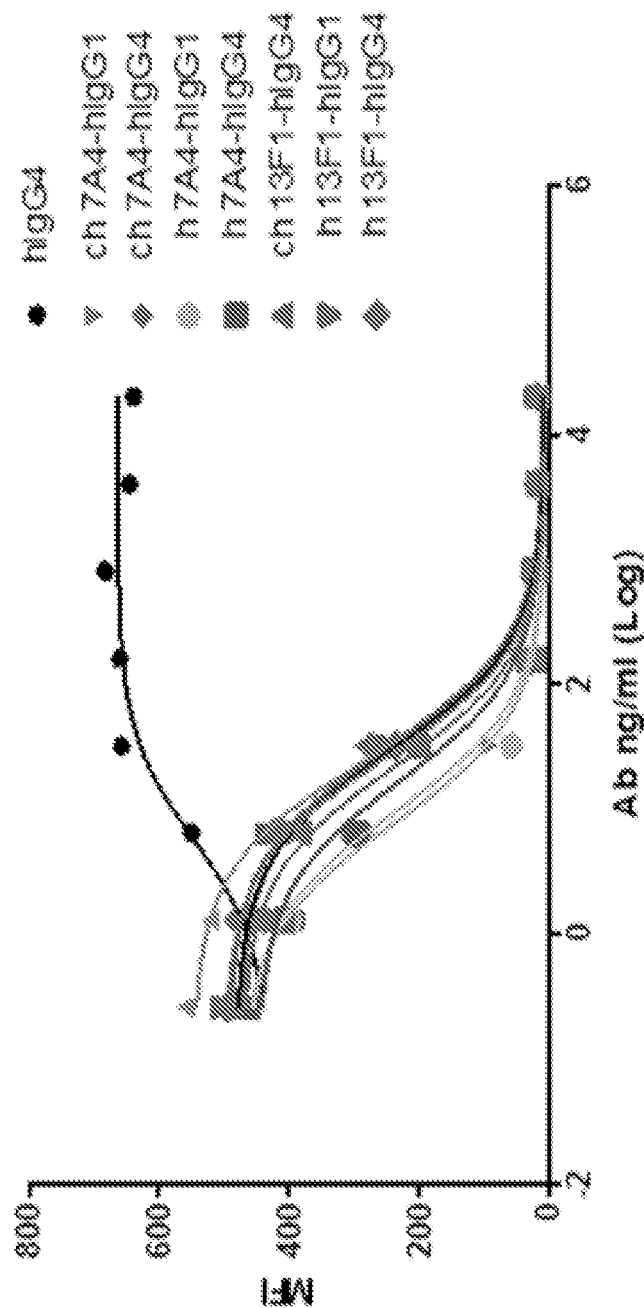
Figure 8



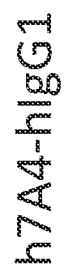
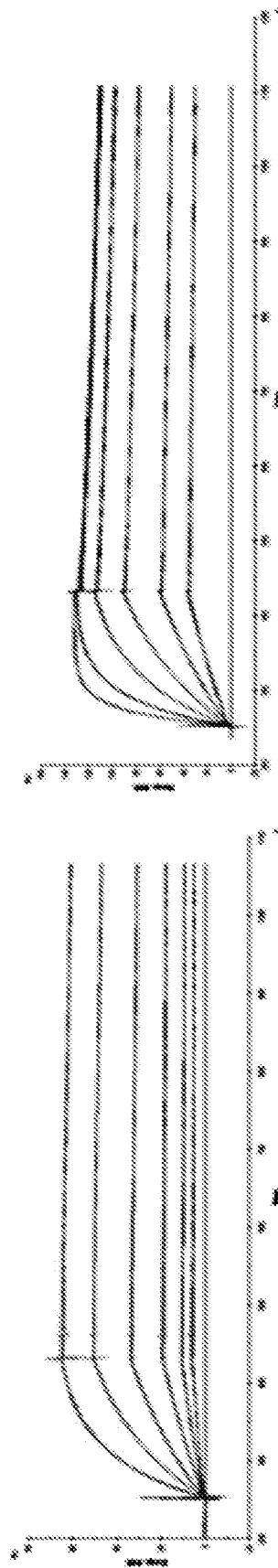
C

ng/ml	Ch13F1	h13F1-hlgG1	h13F1-hlgG4	Ch 7A4-hlgG4	Ch 7A4-IgG1	7A4-hlgG1	7A4-hlgG4
IC50	878.4	985.4	579.0	844.6	355.8	763.0	885.8

Figure 9



ng/ml	hlgG4	h7A4-hlgG1	h7A4-hlgG4	h13F1-hlgG1	h13F1-hlgG4
IC50	NA	7.606	16.85	29.46	25.97



	ka (1/Ms)	kd (1/s)	KA (1/M)	KD (M)	Chi2
h13F1-hlgG4	6.87E+05	1.19E-04	5.78E+09	1.73E-10	0.0667
h7A4-hlgG1	2.09E+06	2.12E-04	9.82E+09	1.02E-10	0.322

12/20

Figure 11

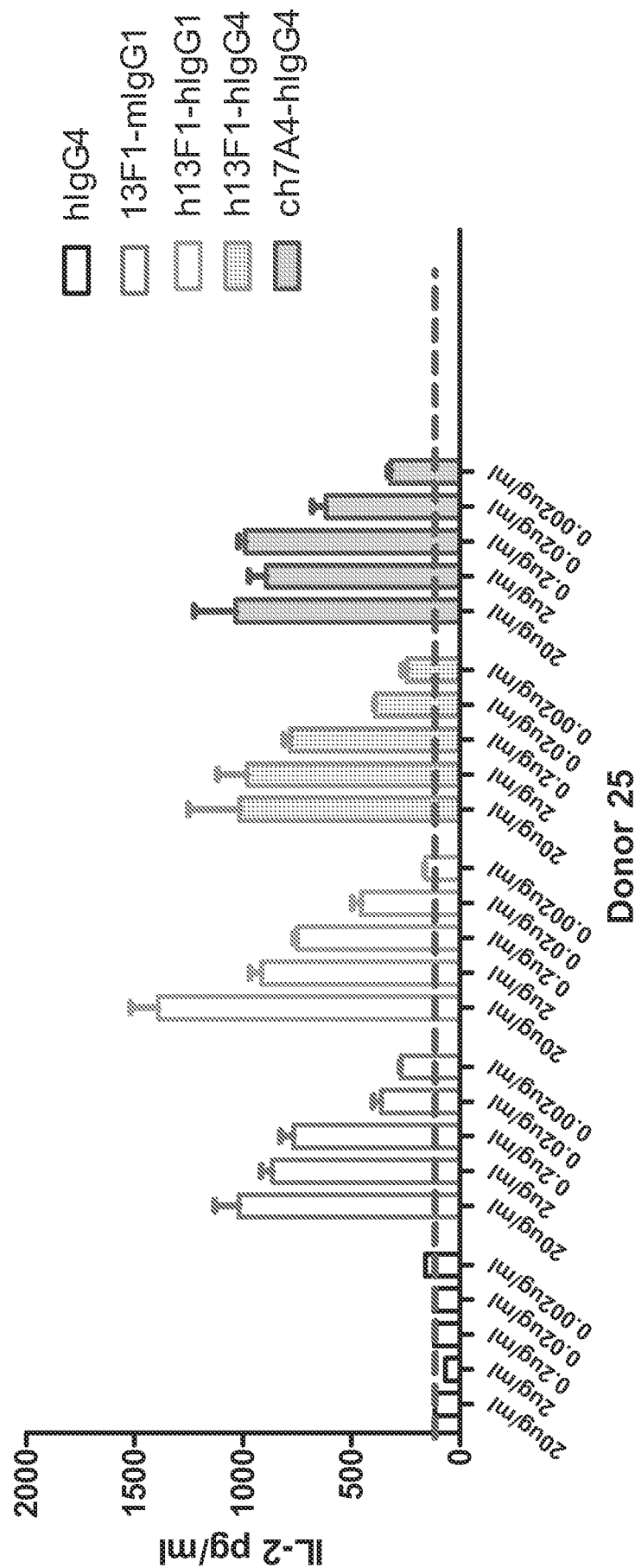


Figure 12

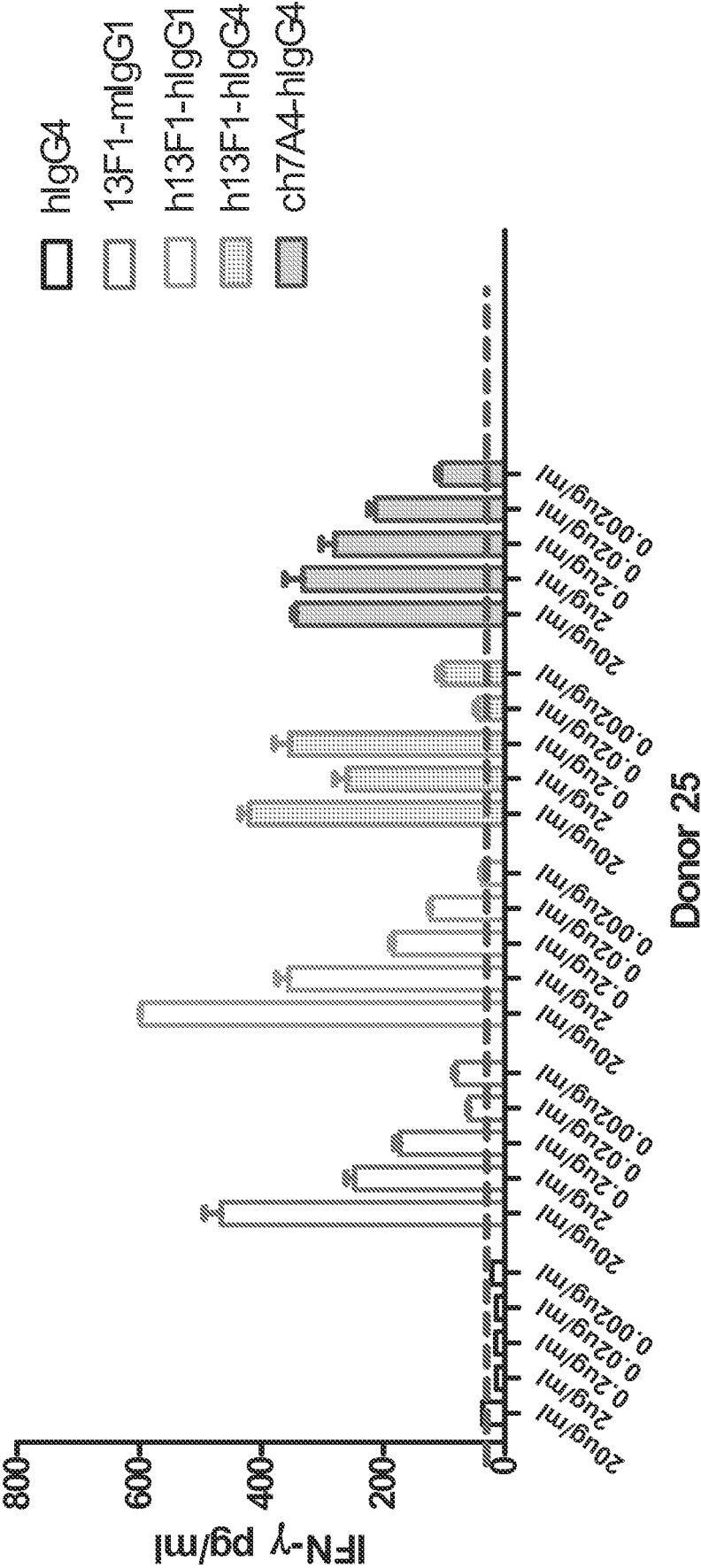


Figure 13

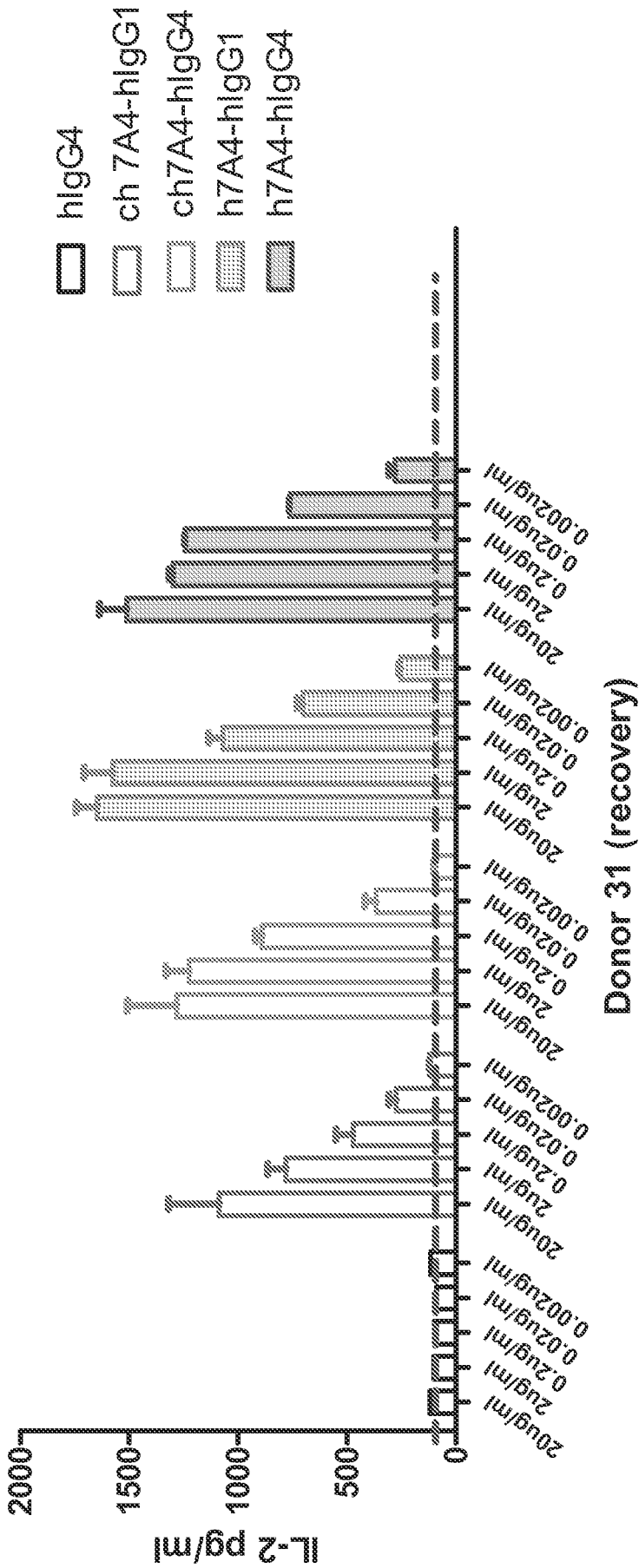


Figure 14

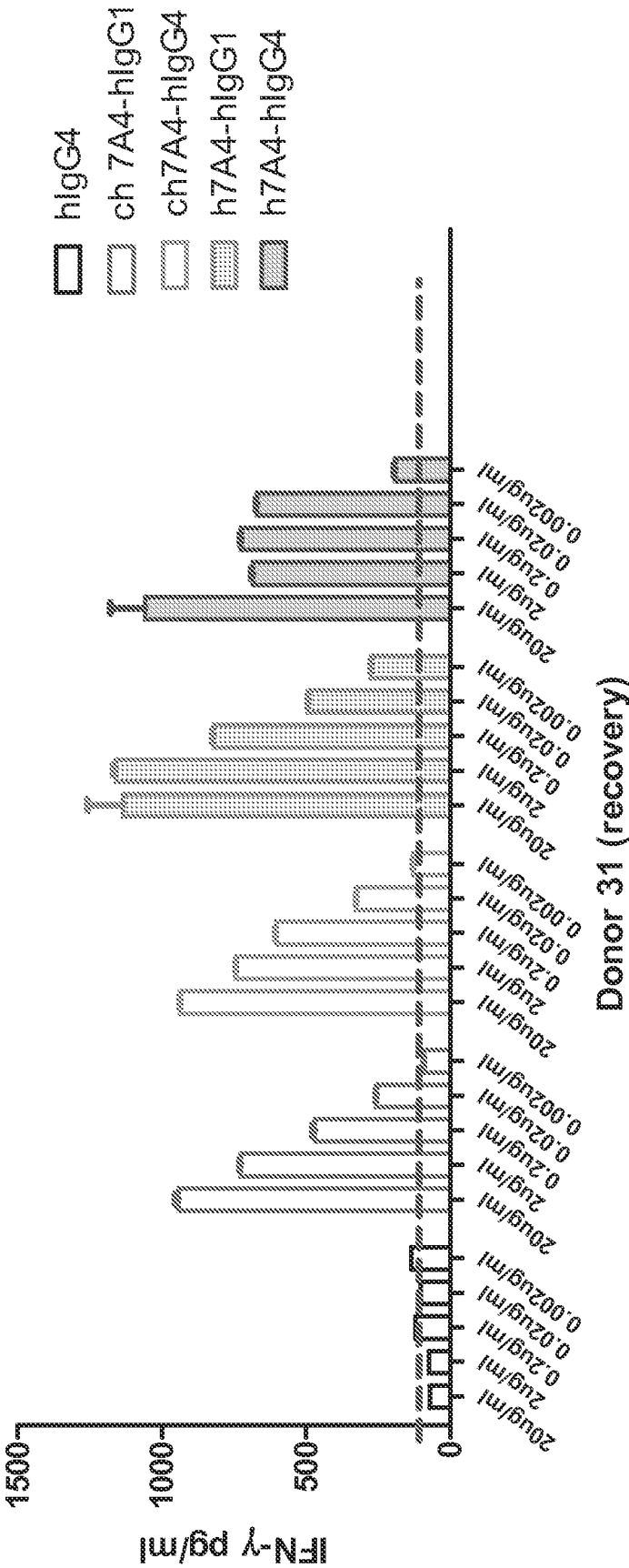


Figure 16

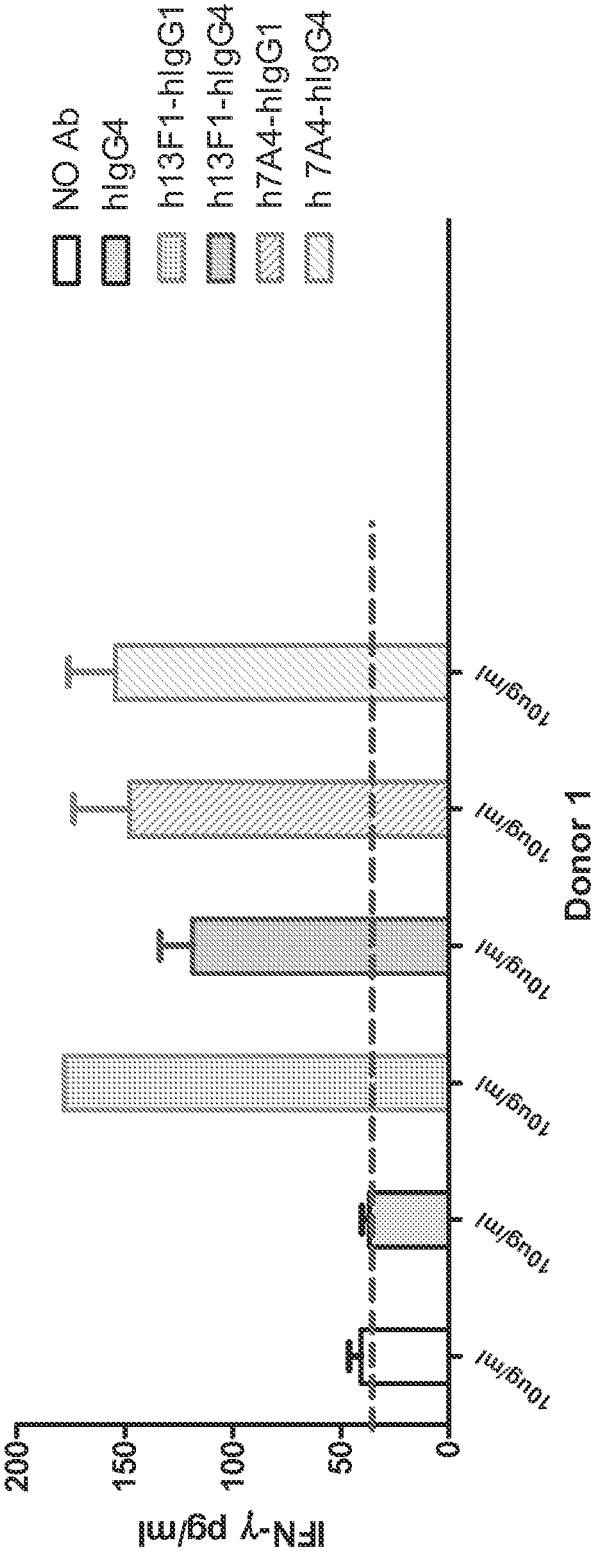
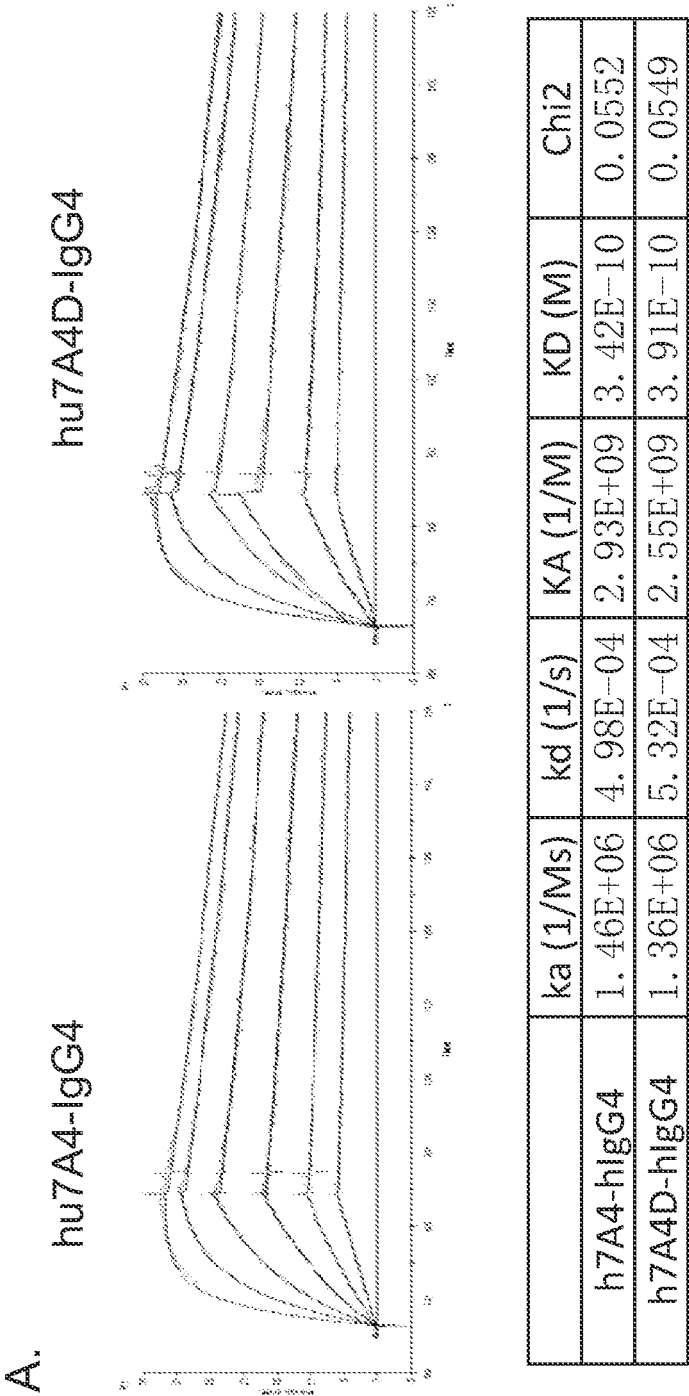


Figure 17



B.

Antibody	FACS based blockage IC50 (ng/ml)
7A4D-hIgG4	25.8

Figure 18

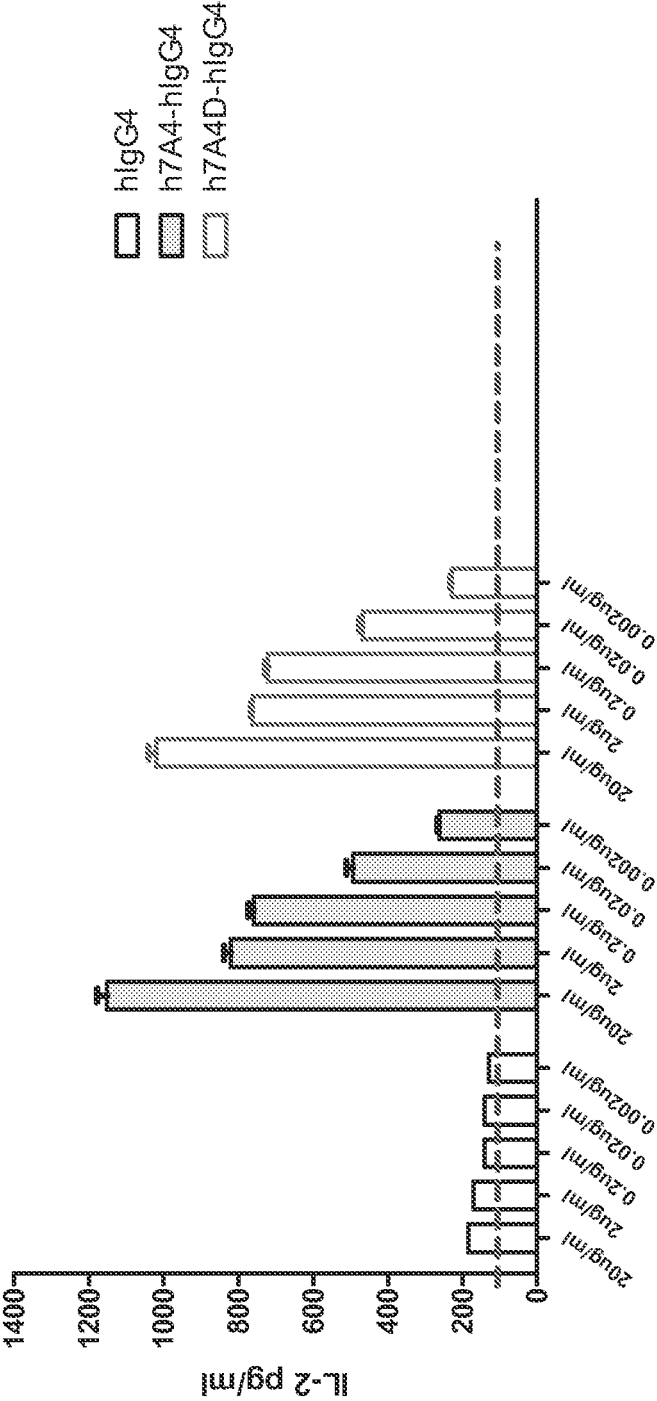


Figure 19

