

FIG. 1A

VL domain sequences

OX108-LC	1	DIVLTQSPASLAVSLGQRATISCRASKSVSTSGYSYMHWYQQKPGQPPKLLIYLASNLES	56
22.1-LC	1	DIVLTQSPASLAVSLGQRATISCRASKSVSTSGYSYMHWYQQKPGQPPKLLIYLASNLES	56
10F6-LC	1	DIVLTQSPPSLAVSLGQRATMSCRASEVDISGNSEFMHWEQQKAGQPPKLLIYRASNLES	56
9B8-LC	1	QIVLTQSPALTSASPGEKVTMTCHASSSV-----SYMYWFQQKPRSSPKPWYLTSKLAS	56
5D1-LC	1	DVQITQSPSYLAASPGETITINCRASKSIS-----KYLAWYQEKPGKTNKFLIYSGSTLQS	56
10A2-LC	1	DVQITQSPSYLAASPGETITINCRASKSIS-----KYLAWYQEKPGKTNKLLIYSGSTLQS	56
1F3-LC	1	DVQMIQSPSSLSASLGDKVTMTCAASHII-----NINWFQQKPGKAPKLLIYGTSNLED	56
11E4-LC	1	DVQMIQSPSSLSASLGDKVTMTCAASHII-----NINWFQQKPGKAPKLLIYGTSNLED	56
OX108-LC	57	GVPARFSGSGGTDFTLNIHPVEEEDAATYYCQHSRE-LLTFGAGTKVEIK	107
22.1-LC	57	GVPVRFSGSGGTDFTLNIHPVEEEDAATYYCQHNRE-LLTFGAGTKLELK	107
10F6-LC	57	GIPARFSGSGRTDFTLTNPLEADDVATYYCHOSNEDEPFTFGGGTKLEMK	107
9B8-LC	57	GVPARFSGSGTSYSLTISSEMEADAATYYCQOWSSYPFLTFGAGTKLELK	107
5D1-LC	57	GIPSRFSGSGGTDFTLTISSELEPEDFAMYYCQOYNEYPPWTFGGGTKLEIK	107
10A2-LC	57	GIPSRFSGSGVTDFTLTISSELEPEDFAMYYCQOYNEYPPWTFGGGTKLEIK	107
1F3-LC	57	GVPPRFSGSGYGTDFTLTISSELEDEDMATYFCLOHTYLPWTFGGGTKLEIK	107
11E4-LC	57	GVPPRFSGSGYGTDFTLTISSELEDEDMATYFCLOHTYLPWTFGGGTKLEIK	107

FIG. 1B

VH domain sequences

OX108-HC	1	EVKLQSGPELVKPGASVKMSCKASGYTF	TSYVMHVVKQKPGQGLEWIG	INPYNDDITNYNE	61
22.1-HC	1	EVQLQSGPELVKPGASVKMSCKASGYTF	TSYVMFHWKQKPGQGLEWIG	INPYNDDITKYNE	61
10F6-HC	1	QVQLKESGPGLVAPQSLSITCTVSGFSL	INIAVSWVRQPPGKGLEWLG	VMWAGGGININS	61
9B8-HC	1	EVQLQSGTVLVKPGASVKLSCTASGFNI	KDDYMHVWKQRPEQGLEWIG	RIDPANDNITKYAP	61
5D1-HC	1	EVQLQSGAELVRPGASVKLSCTASGFNI	KDDYMHVWKQRPEQGLEWIG	RIDPENGNITKYGP	61
10A2-HC	1	EVQLQSGAEFVRPGASVKLSCTTSGFYI	KDDYIHWKQRPEQGLEWIG	RIDPANGNITKYAP	61
1F3-HC	1	EVQLQSGAEFVRPGASVRLSCTTSGFYI	KDDYIHWKQRPEQGLEWIG	RIDPANGNITKYAP	61
11E4-HC	1	EVQLQSGTVLARPASVKMSCEASGYTF	TSYMHVWKQSPGQGLEWVCA	AIYPCNSDITNINQ	61
OX108-HC	62	KFKGKATLTSDKSSSTAYMELSSLTSEDS	SAVYICAREDDYVYSR	WGHWGQGTLTVSS	113
22.1-HC	62	KFKGKATLTSDKSSSTAYMELSSLTSEDS	SAVYICAREDDYVYSR	FVHWGQGTLTVSS	113
10F6-HC	62	VFKSRLTISKDNKSQVFLKMNSLQTD	DATARYICAREPLTGV	MDHWGQGSVTVSS	113
9B8-HC	62	KFQDRATITADTSSNTAYLQLSSLTSE	DATAVYICTRVEGRIGTY	FDHWGQGTLTVSS	113
5D1-HC	62	KFQDKATITADTSSNTAYLQFSSLTSE	DATAVYICTRQDGLRRVWYALD	WGQGSVTVSS	113
10A2-HC	62	KFQDKATITADTSSNTAYLQLSRLTSE	DATAVYICARQLGLRRWYS	DDHWGQGSVTVSS	113
1F3-HC	62	KFQDKATITADTSSNTAYLQLNSLTSE	DATAVYICTRQDGLRRITWYAMD	WGQGSVTVSS	113
11E4-HC	62	KFKGKAKLTAVTSASTAYMELSSLTNE	DSAVYICTTA	---V---GSHWGQGTILVTVSA	113

FIG. 2

VH domain sequence

Human germline	1	QVQLQESGPGLVKPSSETLSLTCTVSGFSLTNYAVSWVRQPPGKGLWLGVMWAGGTNYN	60
Murine 10F6	1	...K...A..QS..I.....	60
Humanized 10F6	1	E...Q.....K..ET..L.....	60
Human germline	61	SVFKSRLTISKDNSKNQVSLKLSVTAADTAVYYCAREPLTGVMQDYWGQTLVTSS	113
Murine 10F6	61	S..F..MN.LQTD...R.....S.....	113
Humanized 10F6	61	N..S..LS.VTAA...V.....L.....	113

VL domain sequence

Human germline	1	DIVLTQSPDLSAVSLGERATINCRASEVDYSGNSFMHWFQKPGQPPKLLIYRASNLES	60
Murine 10F6	1	P.....Q...MS.....A.....	60
Humanized 10F6	1	D.....E...IN.....P.....	60
Human germline	61	GIPDRFSGSGSRDTFTLTISLQAEDVAVYYCHQSNEDPPTFGGGTKVEIK	107
Murine 10F6	61	...A.....NP.E.D...T.....L.M.	107
Humanized 10F6	61	...D.....SS.Q.E...V.....V.I.	107

FIG. 3

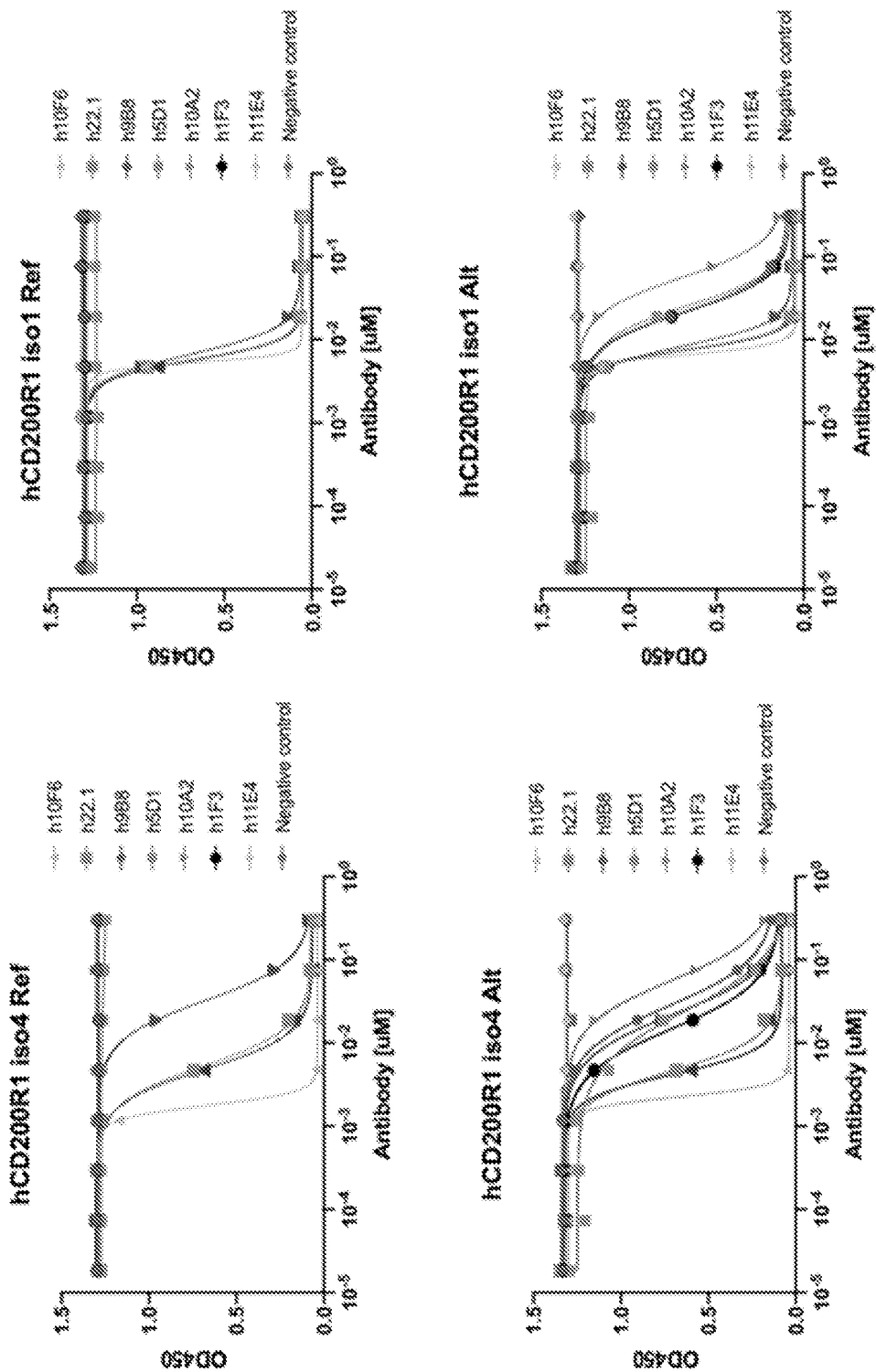
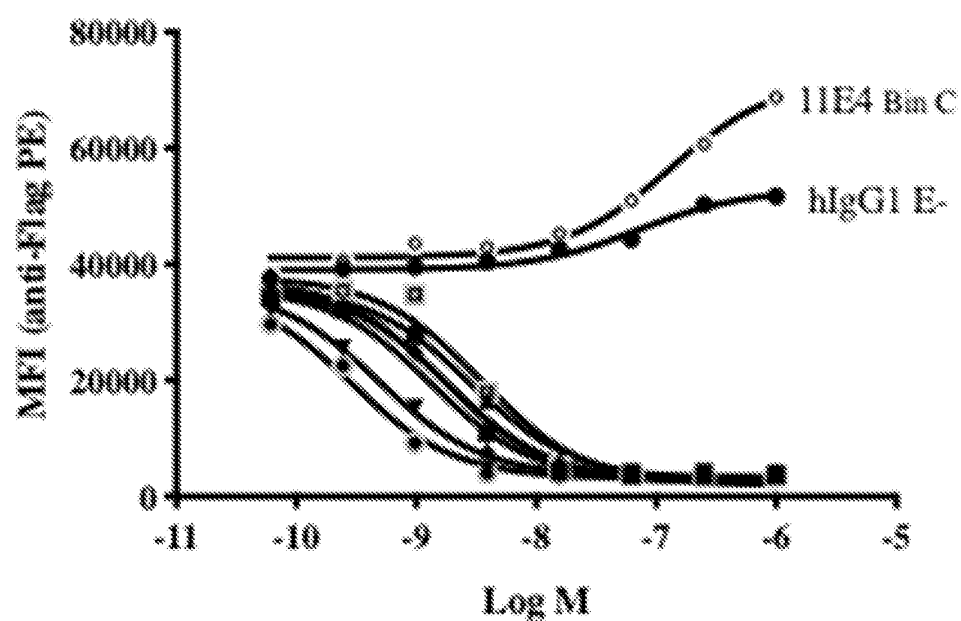


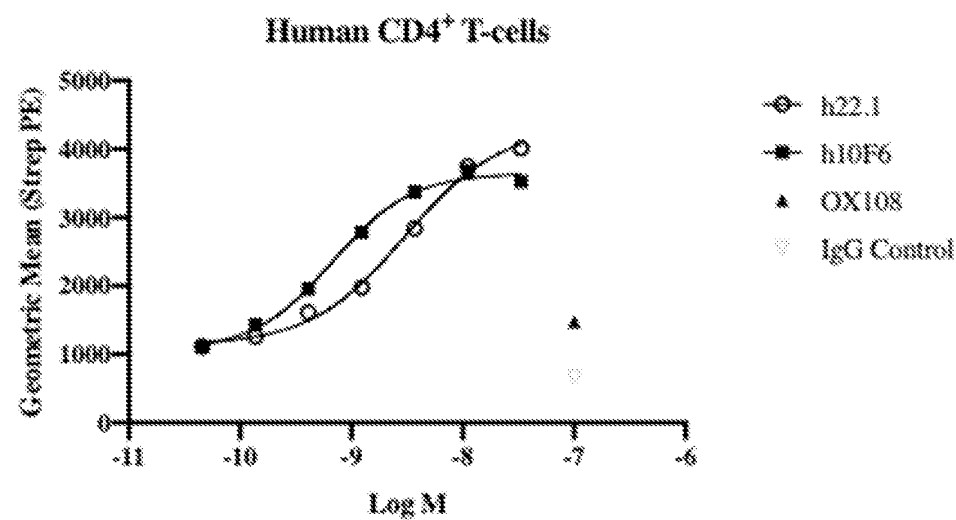
FIG. 4

U937-CD200R1 FACS
testing humanized IgG blocking of 55nM CD200FcFlag

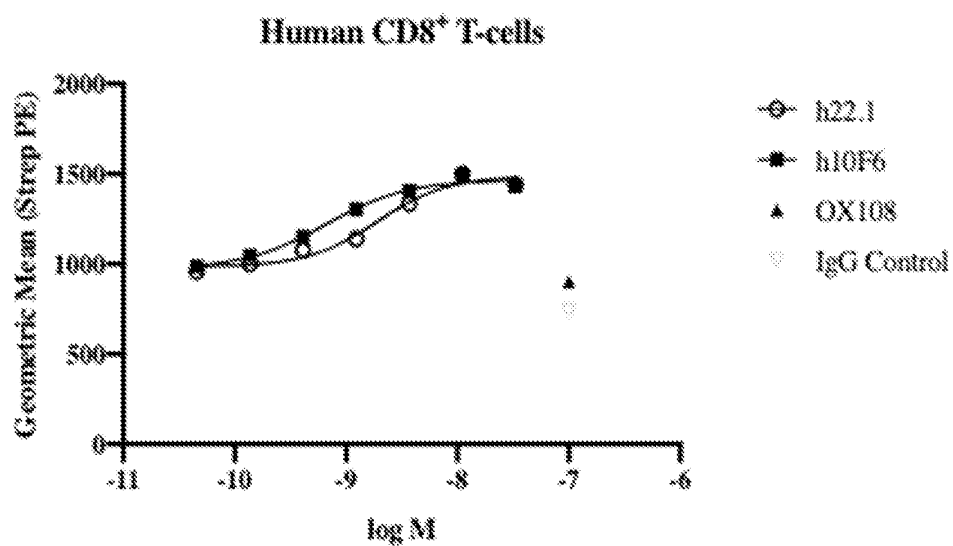


<i>IC50</i>		
OX108 BinA	2.8nM	●
h22.1 BinA	1.8nM	●
h10F6 BinA	0.28nM	●
h9B8 BinB	0.5nM	●
h5D1 BinB	1.3nM	●
h10A2 BinB	1.6nM	●
h1F3 BinB	3.5nM	●

FIG. 5A



	h22.1	h10F6
EC50	3.043e-009	6.782e-010



	h22.1	h10F6
EC50	1.909e-009	6.586e-010

FIG. 5B

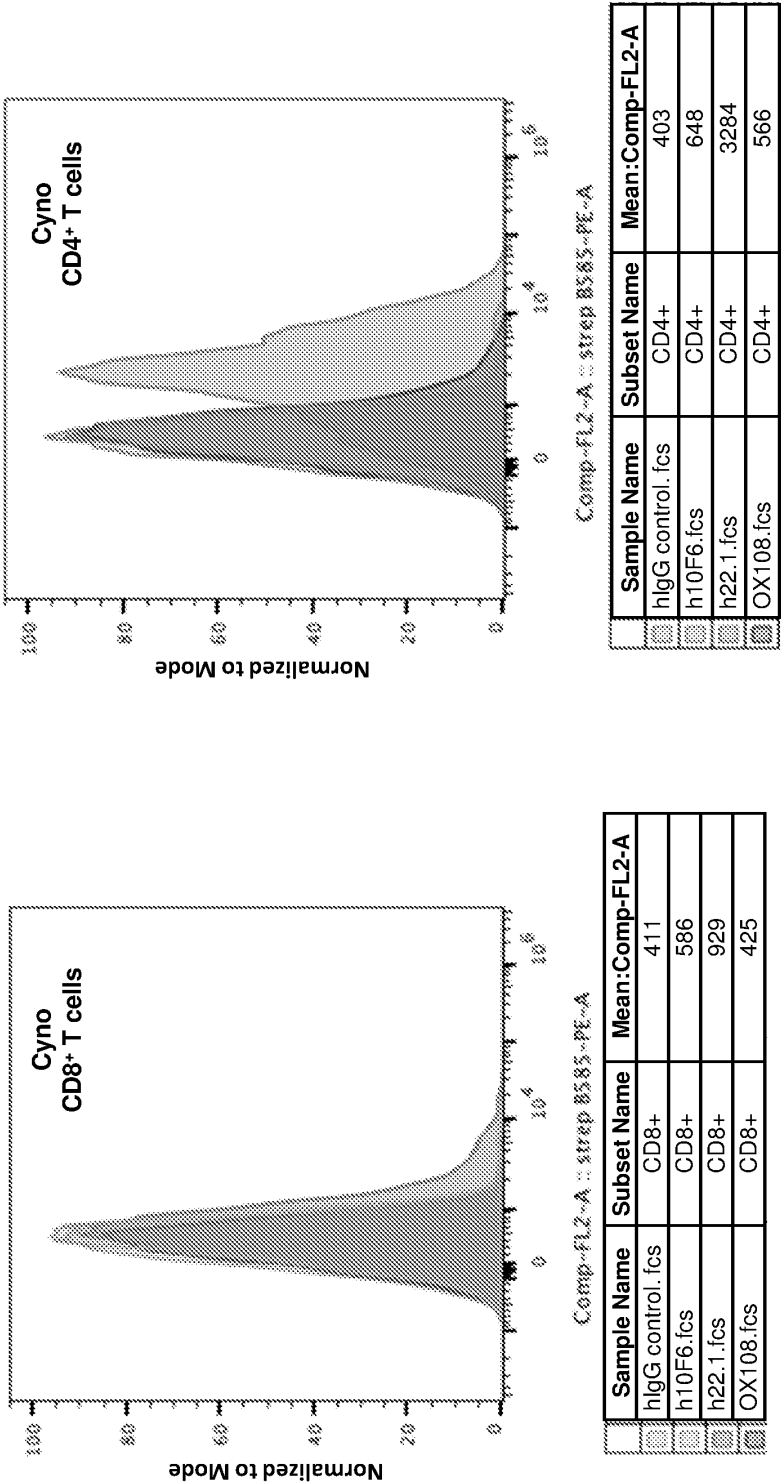


FIG. 6

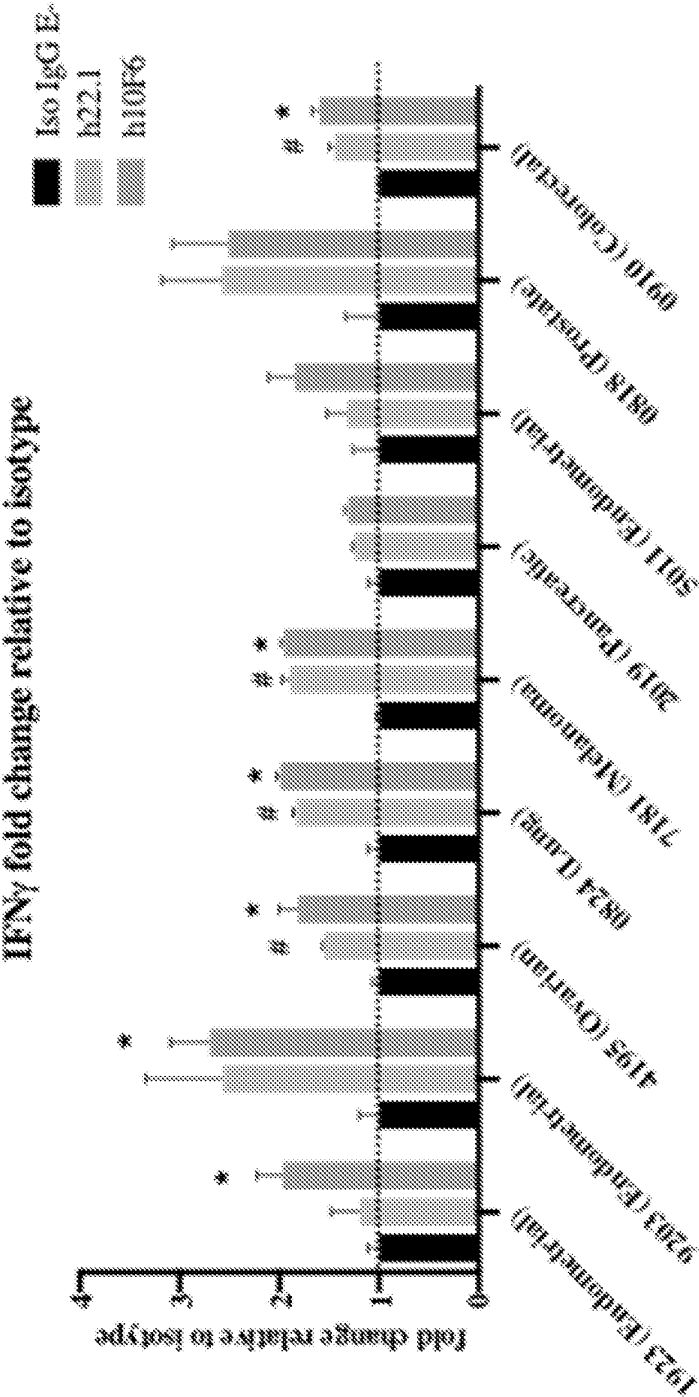


FIG. 7A

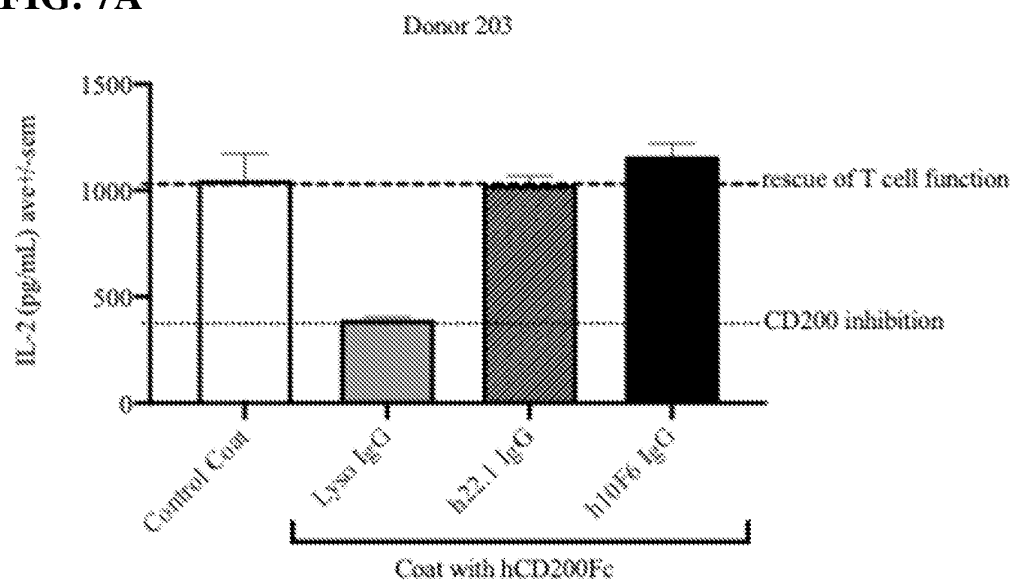


FIG. 7B

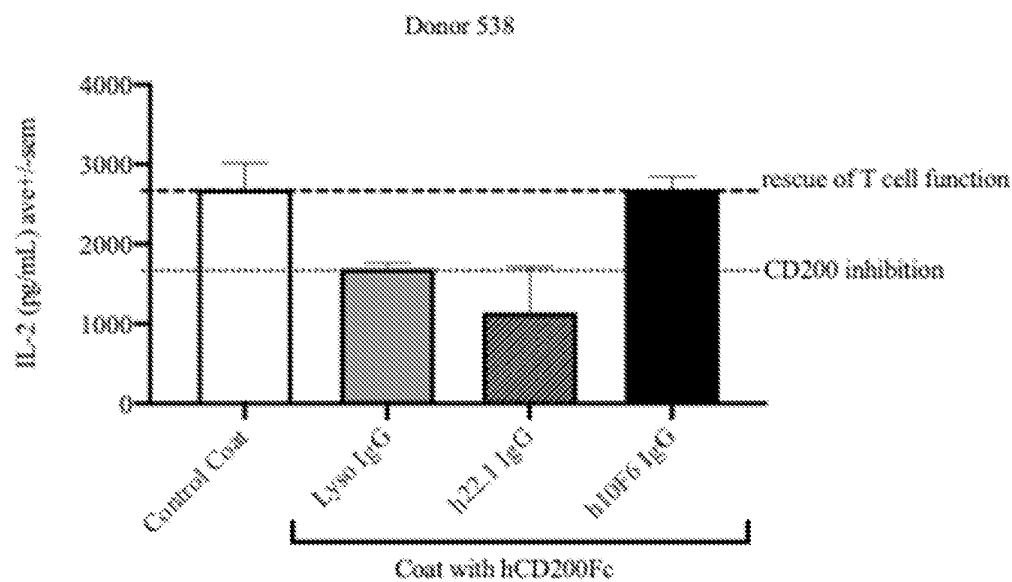


FIG. 7C

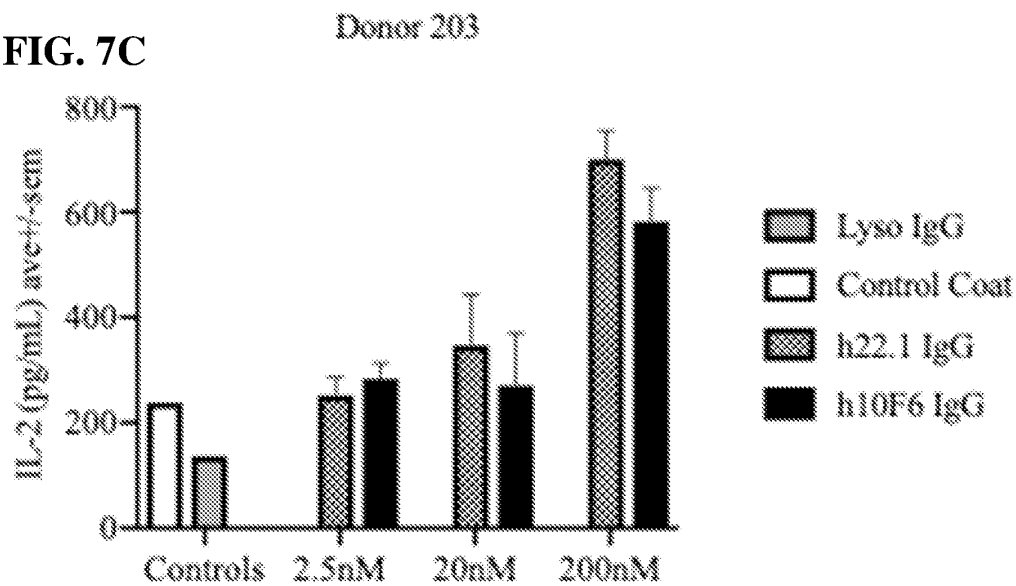


FIG. 7D

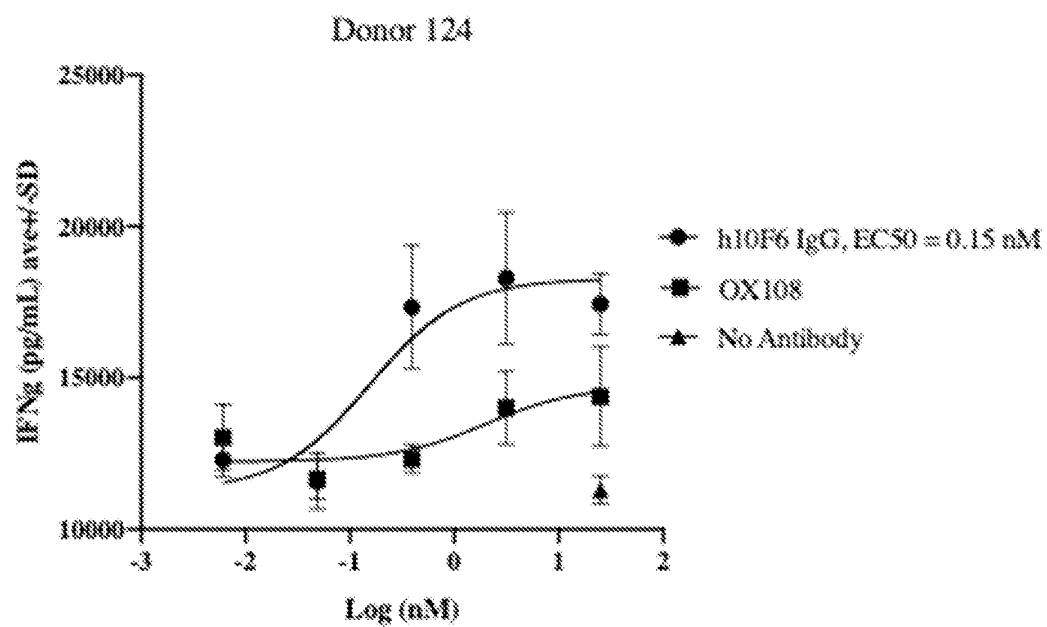


FIG. 8A

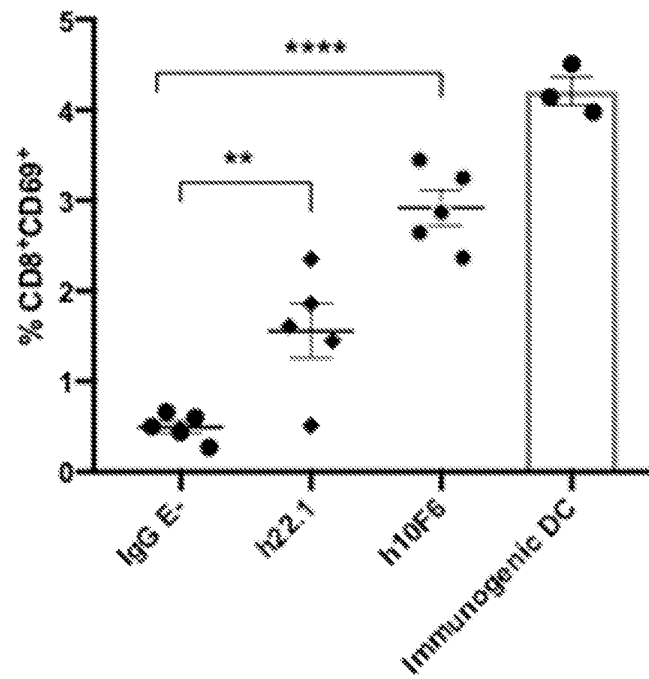


FIG. 8B

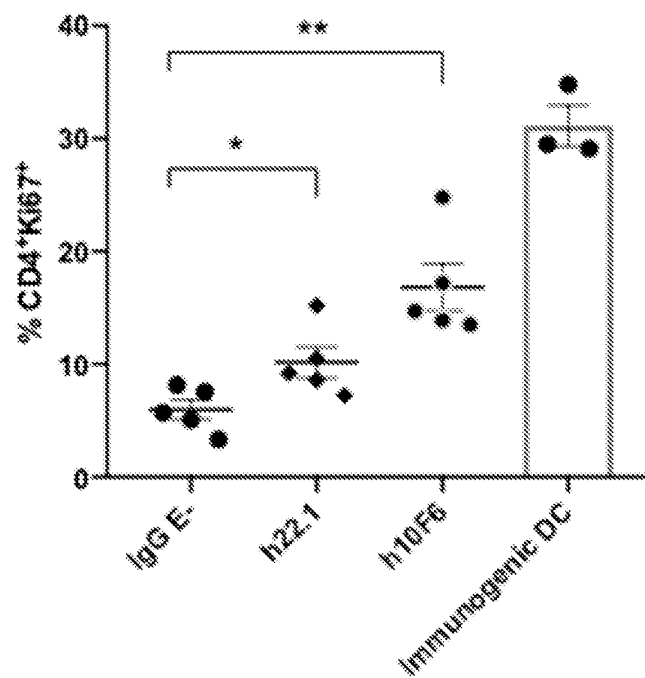


FIG. 8C

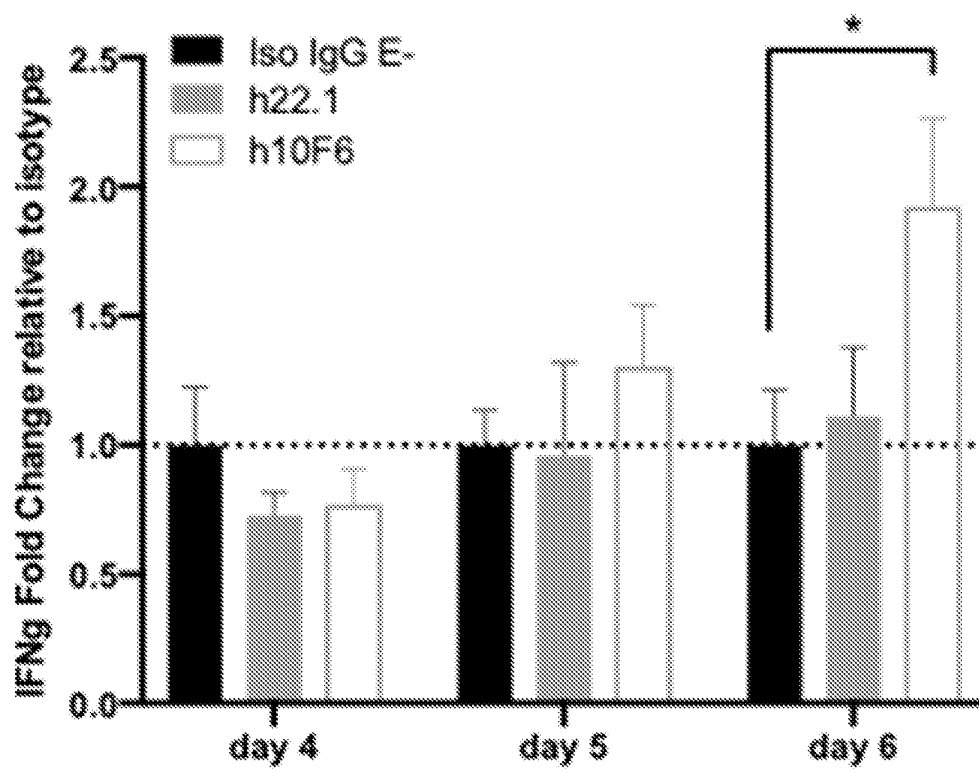


FIG. 9

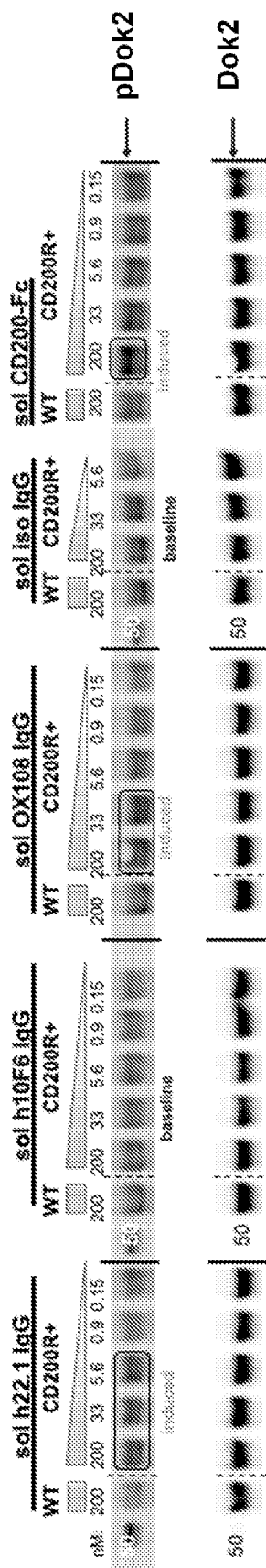


FIG. 10A

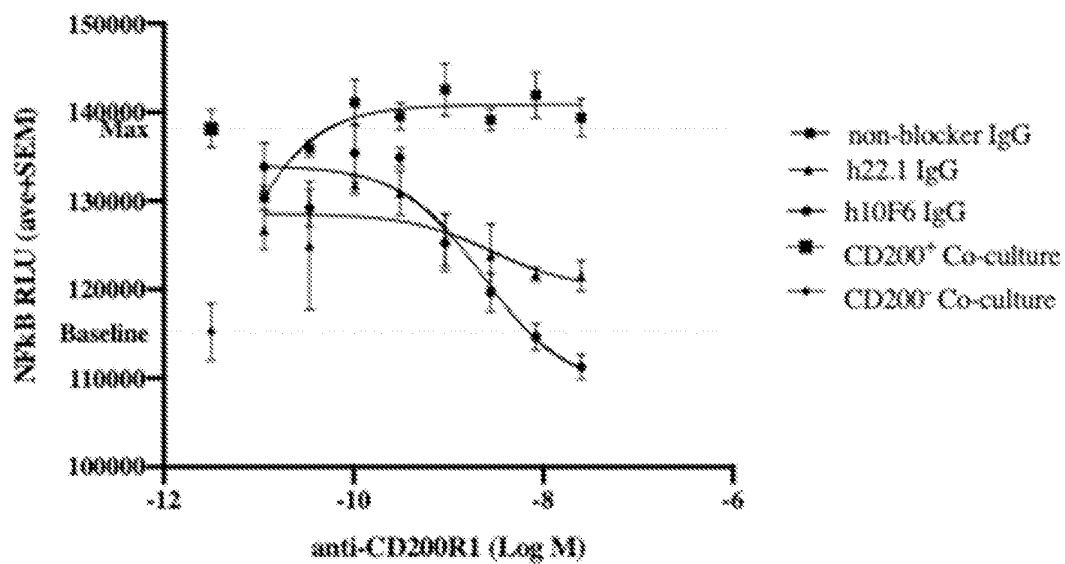


FIG. 10B

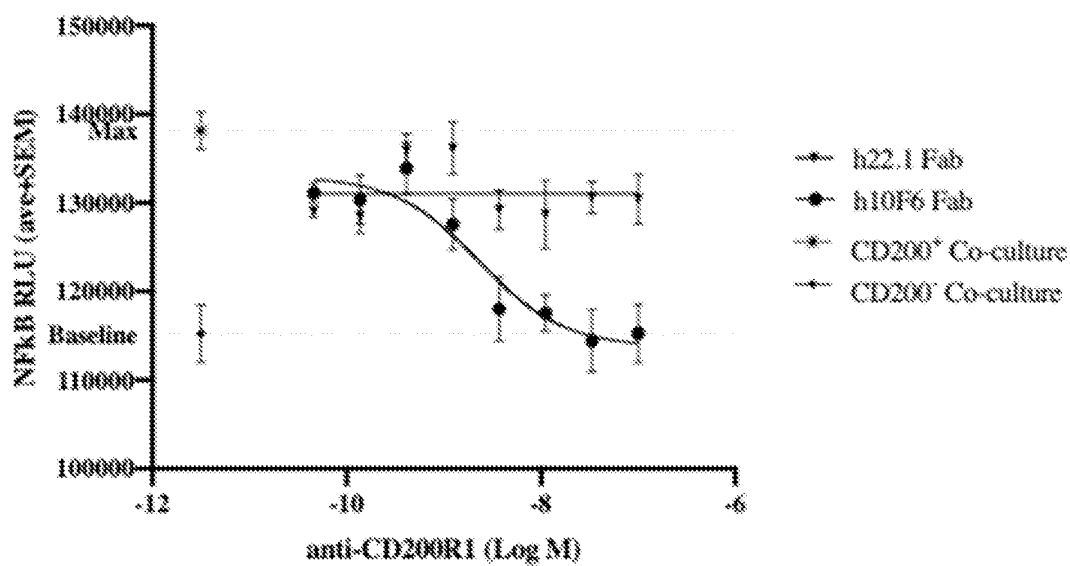
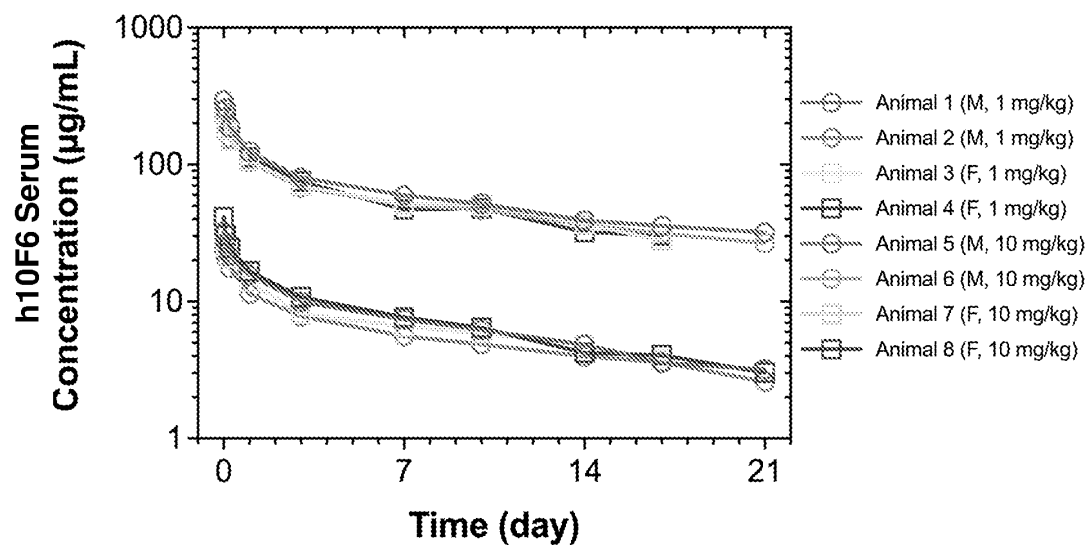


FIG. 11



mAb=22.1

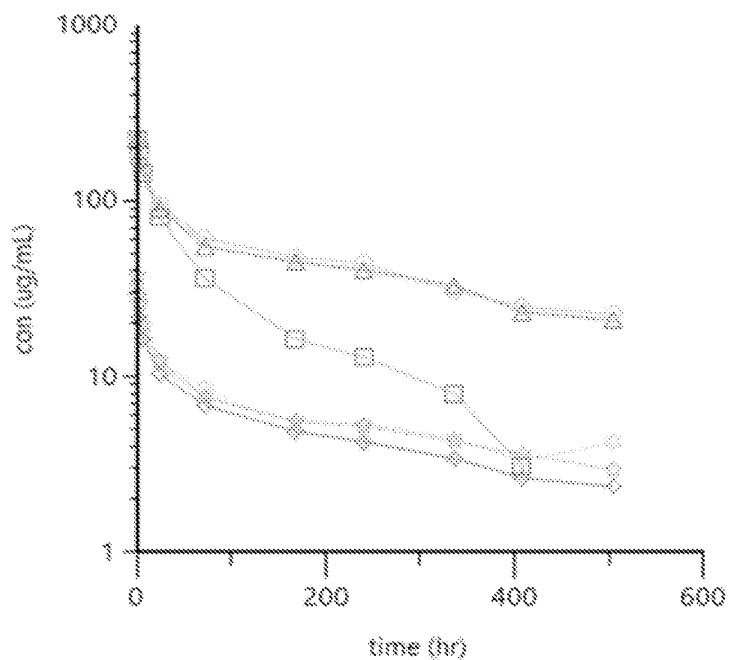


FIG. 12

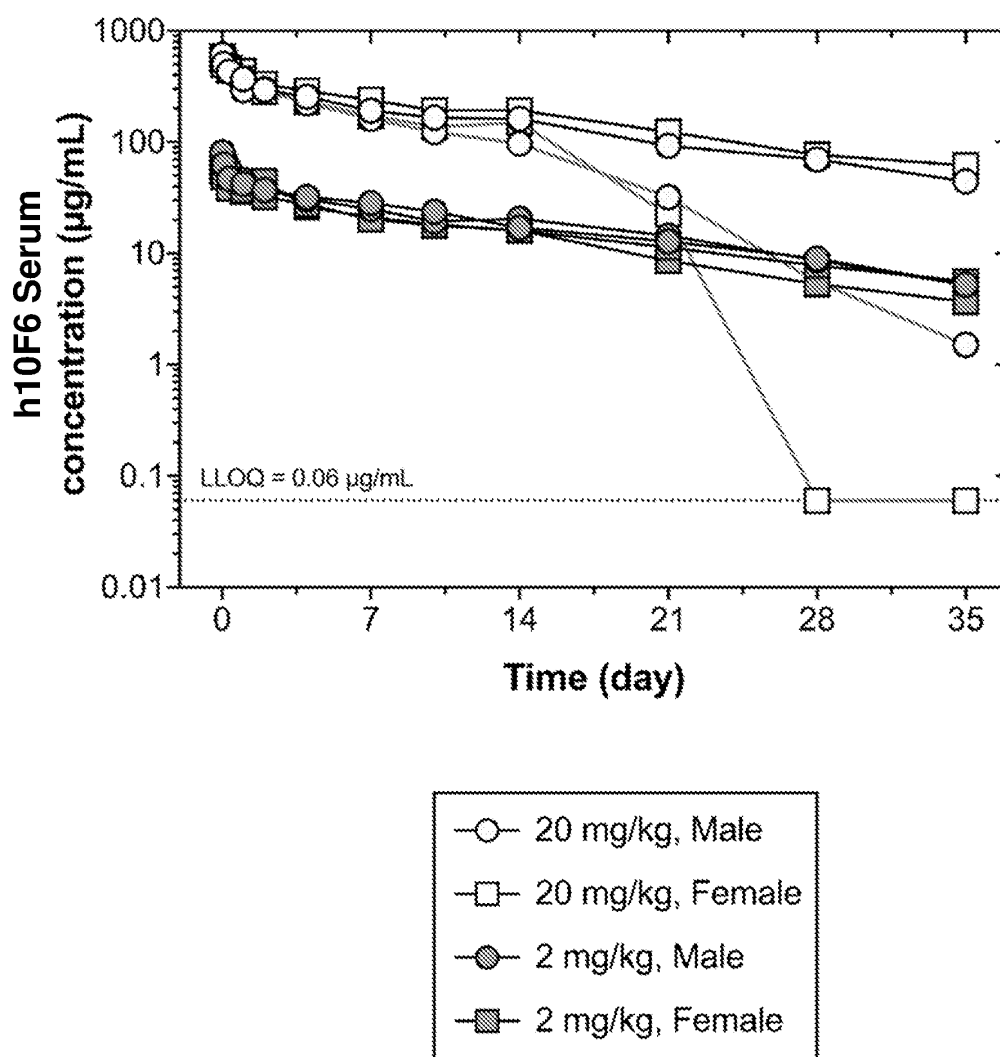


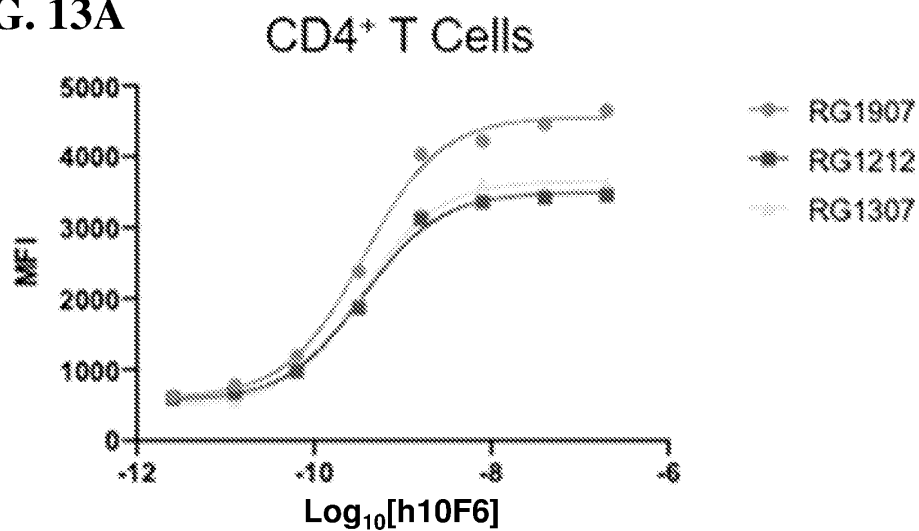
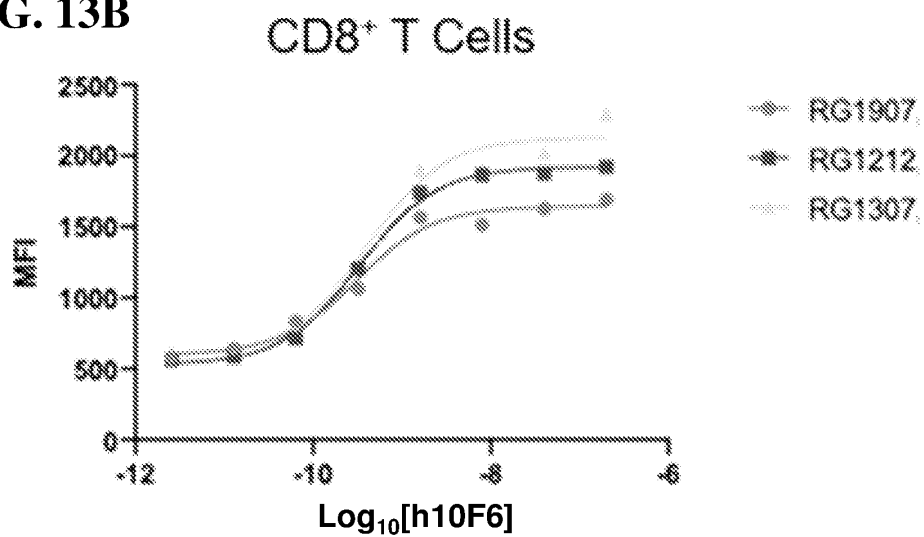
FIG. 13A**FIG. 13B**

FIG. 14

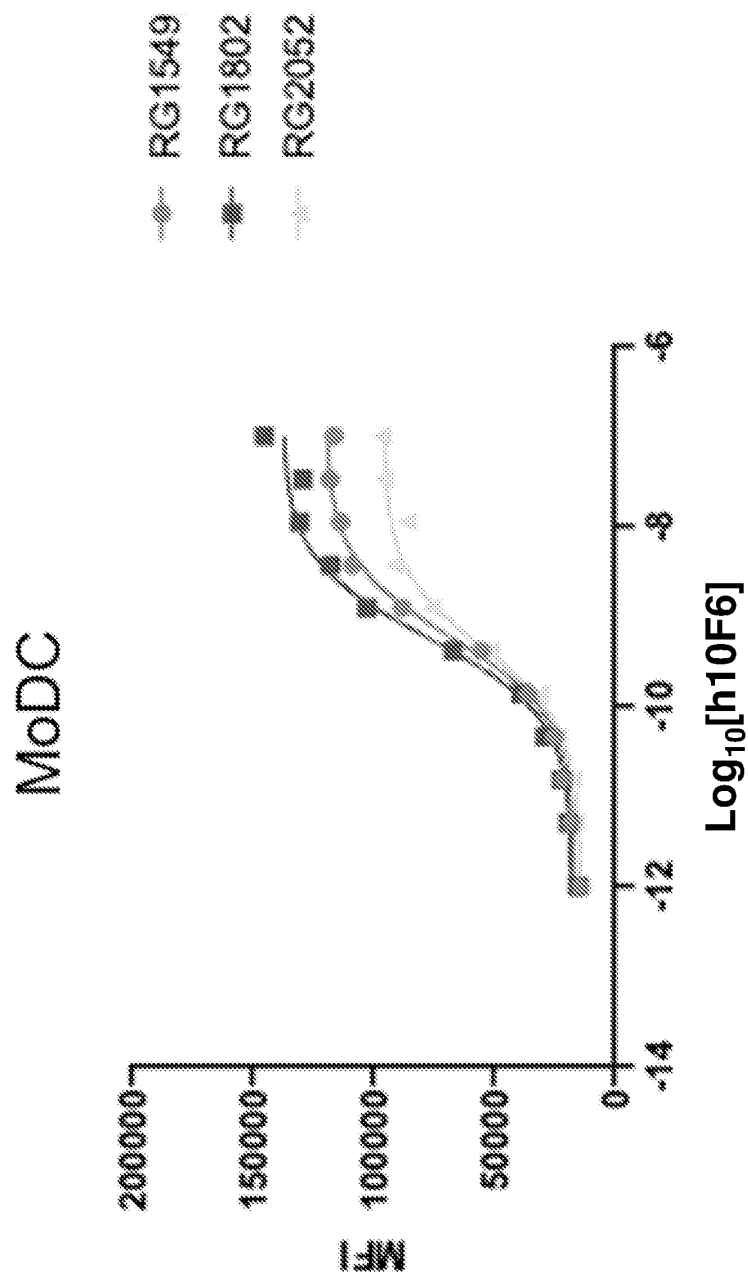


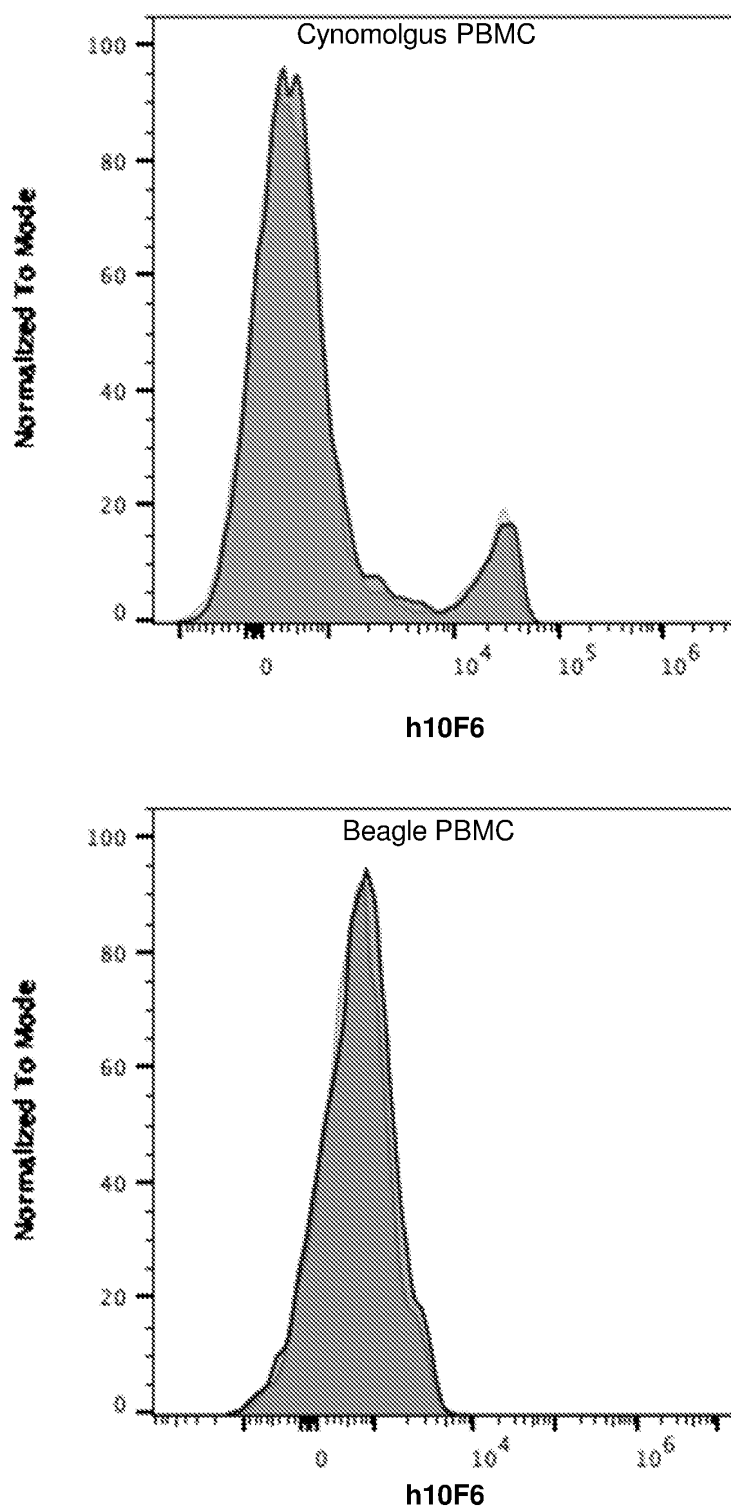
FIG. 15

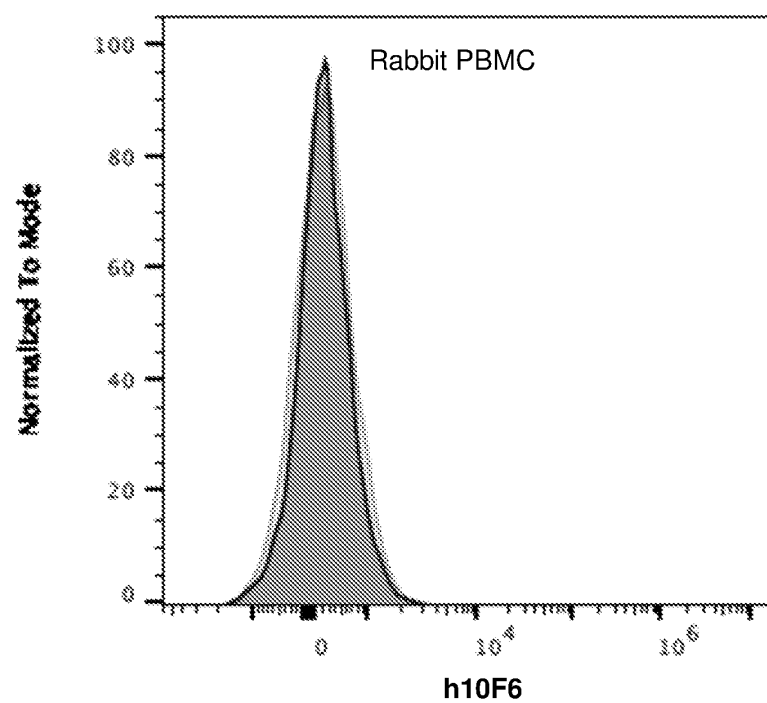
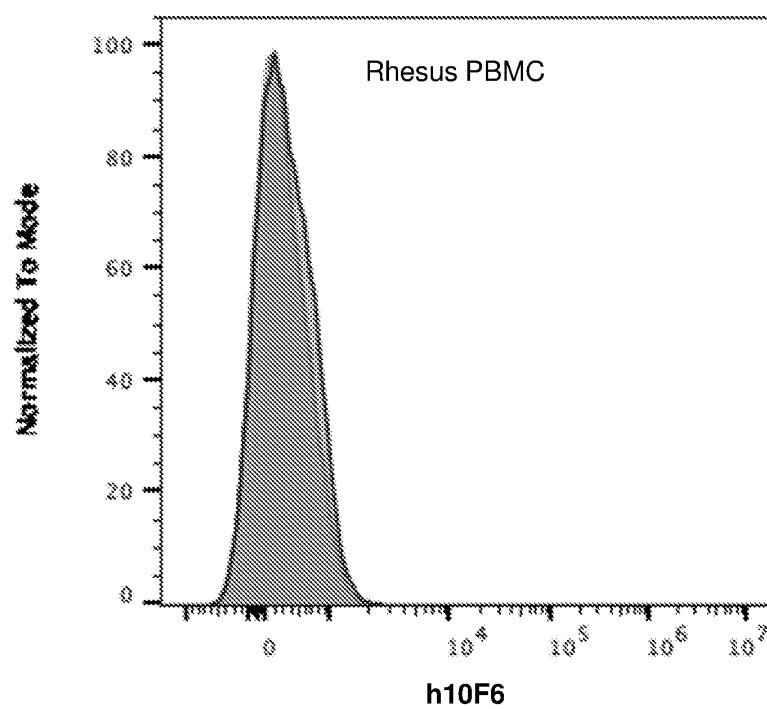
FIG. 15

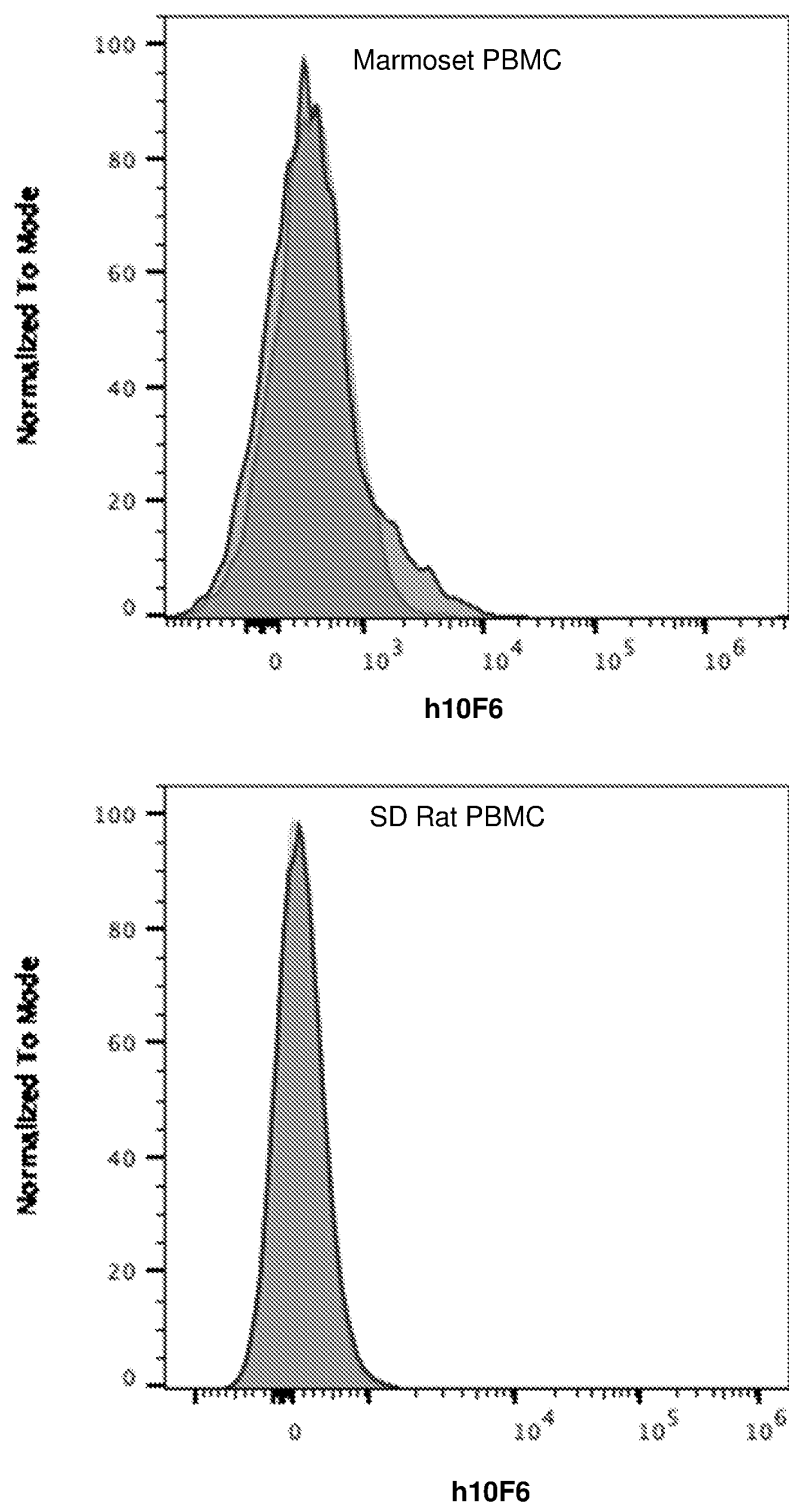
FIG. 15

FIG. 16

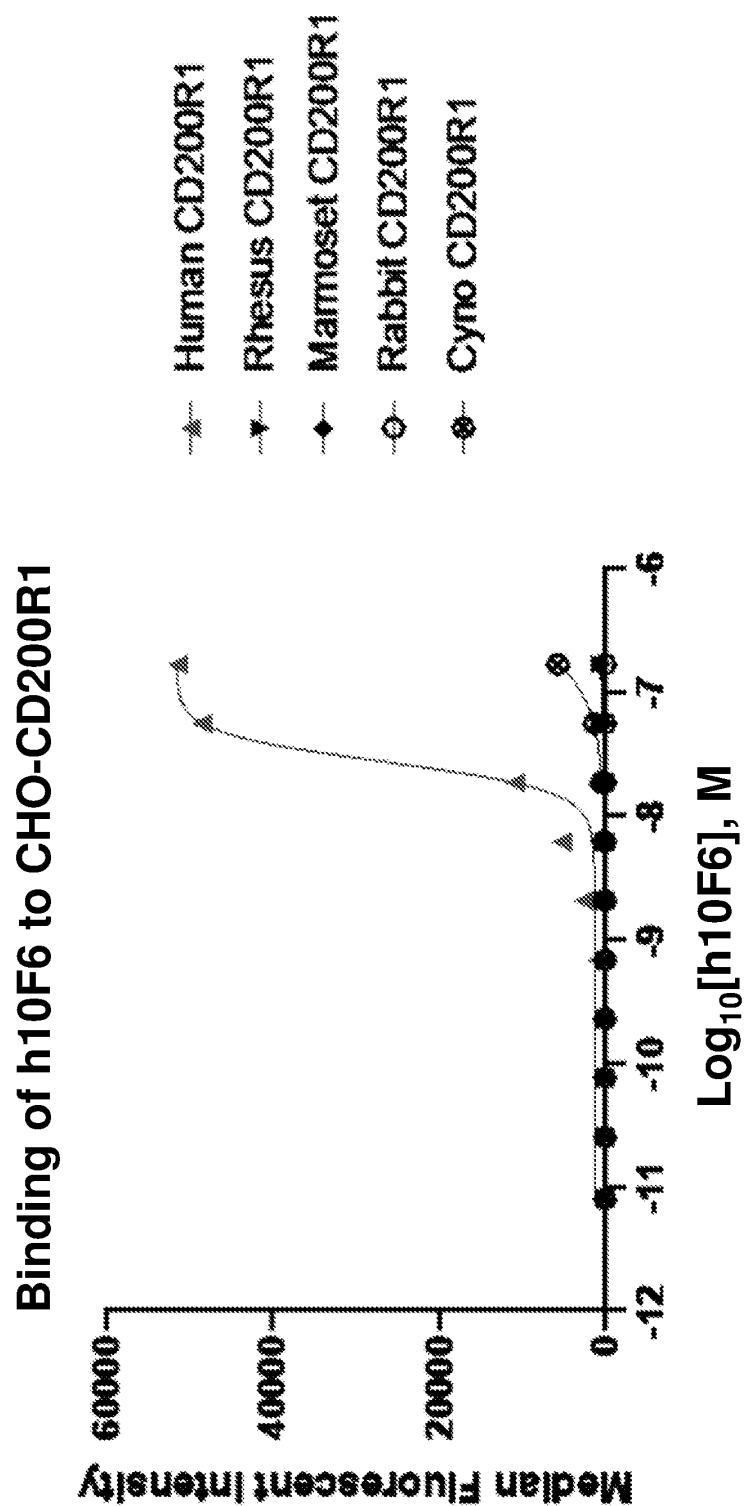


FIG. 17

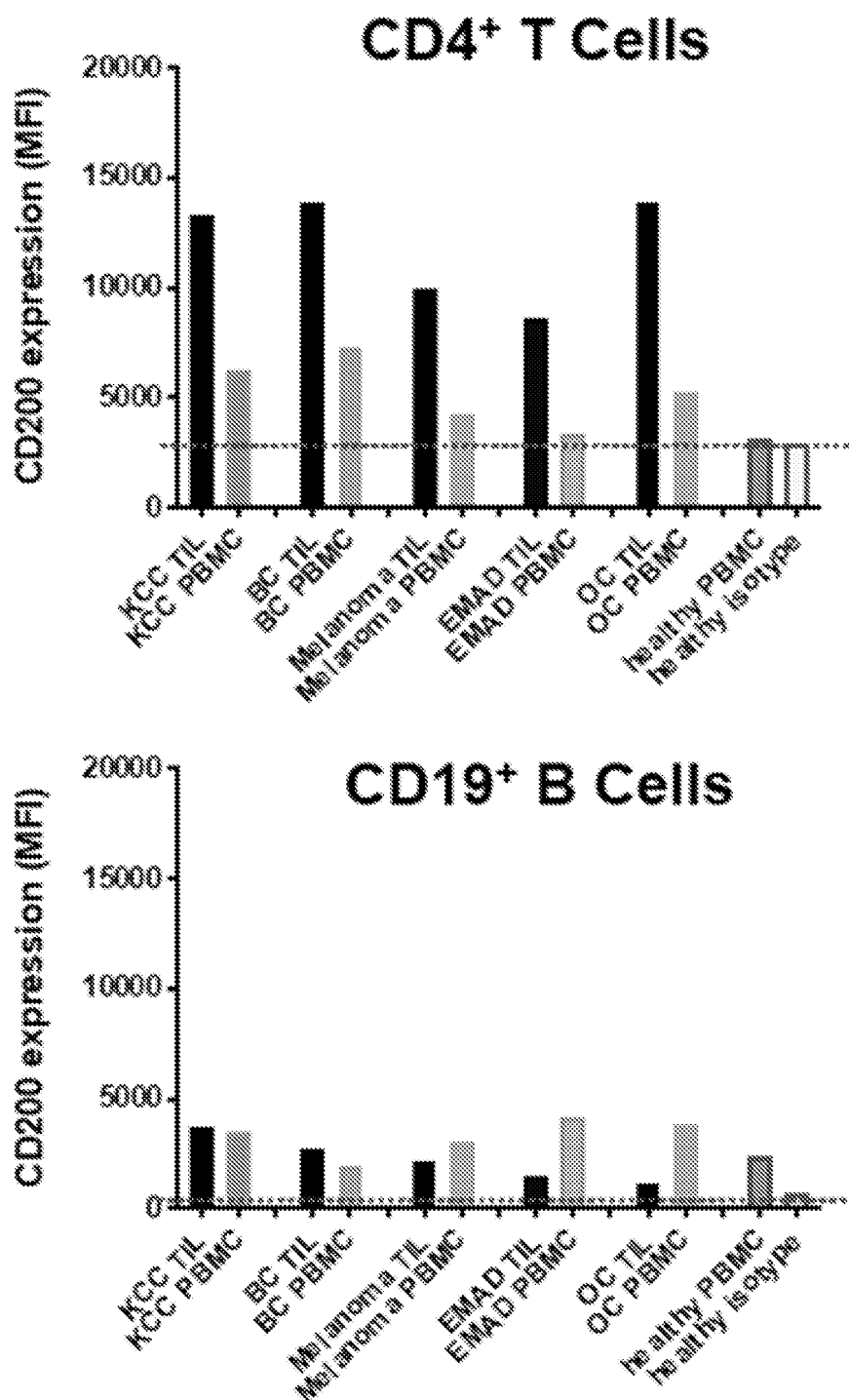


FIG. 17

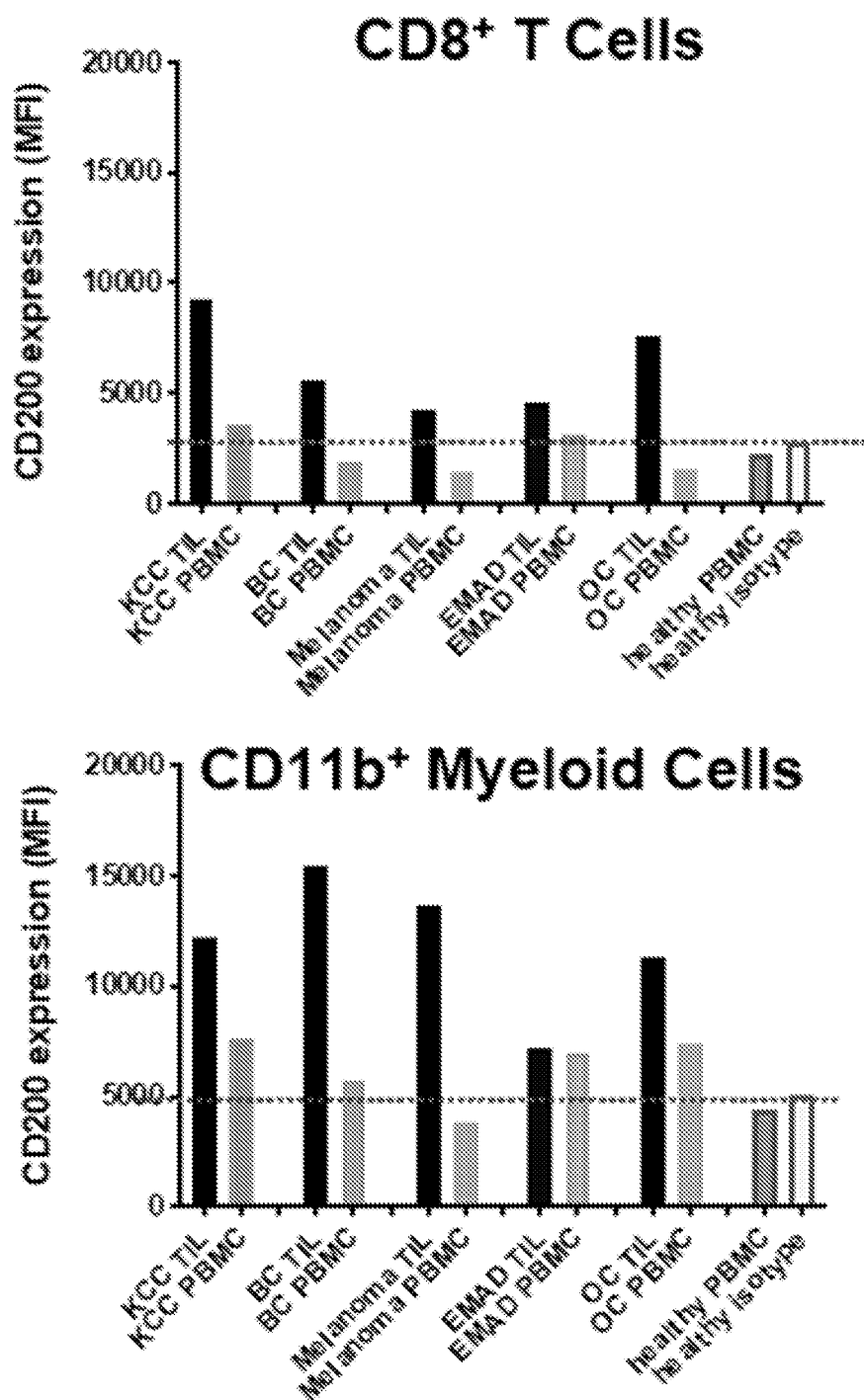


FIG. 18

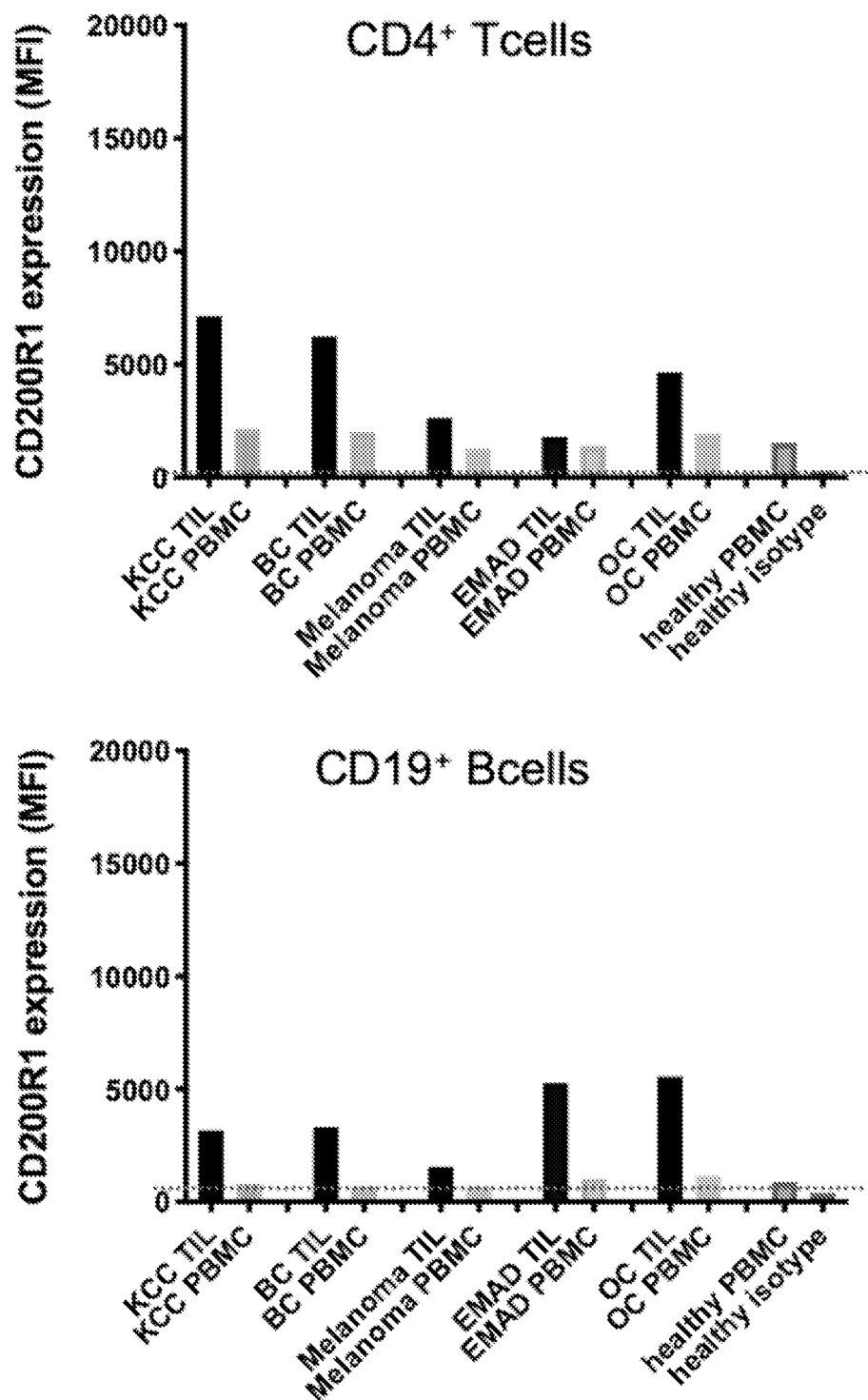


FIG. 18

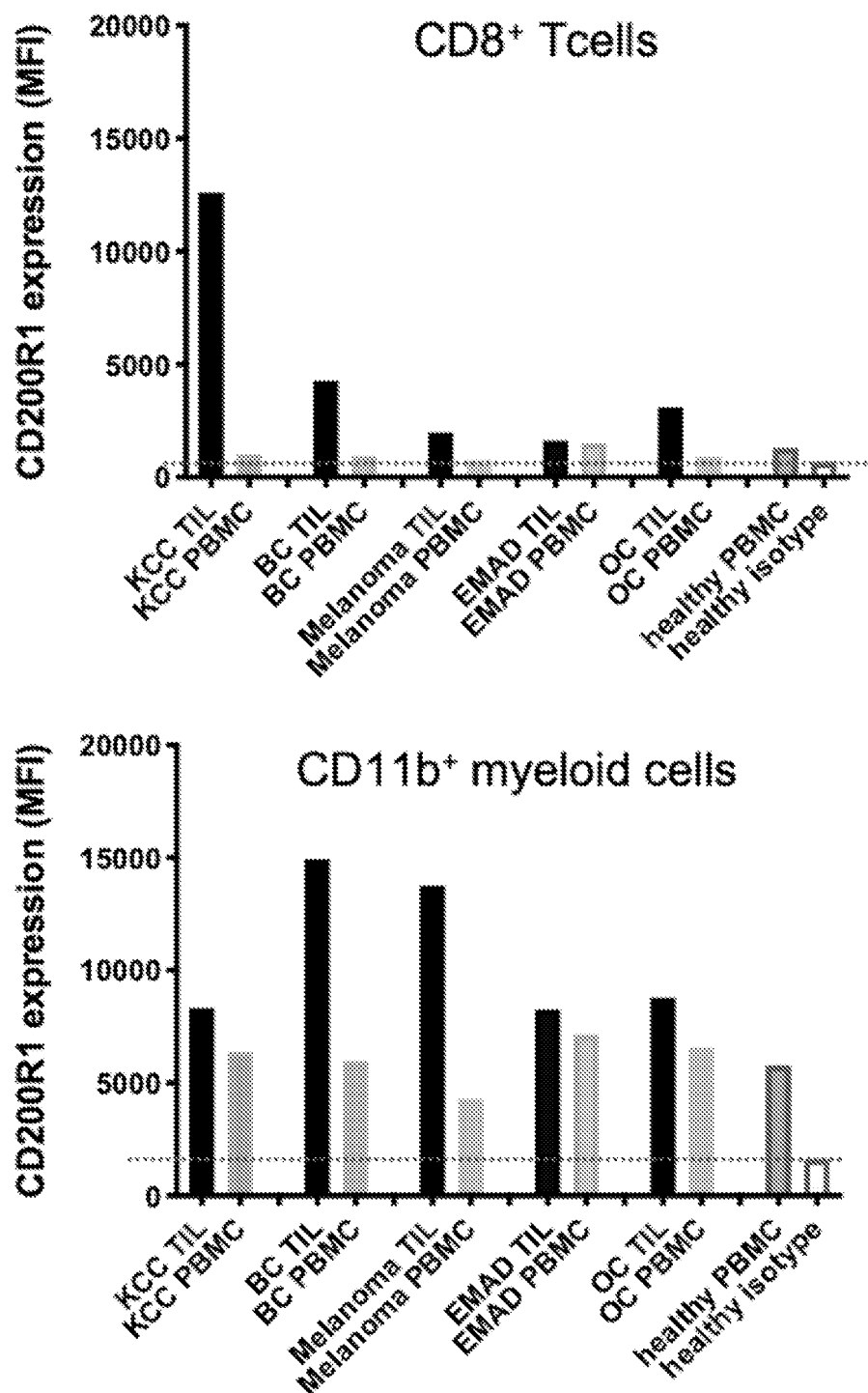


FIG. 19A

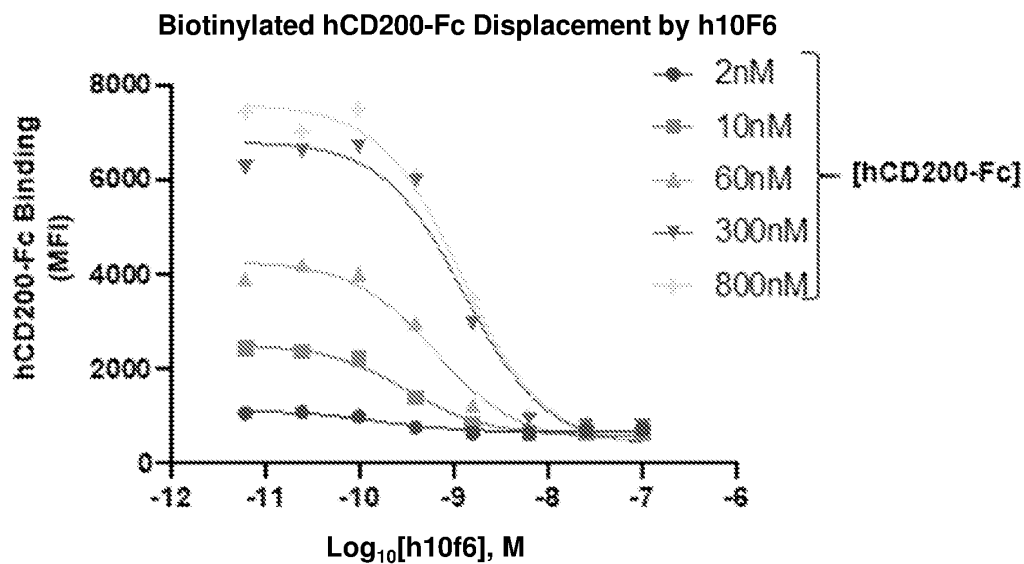


FIG. 19B

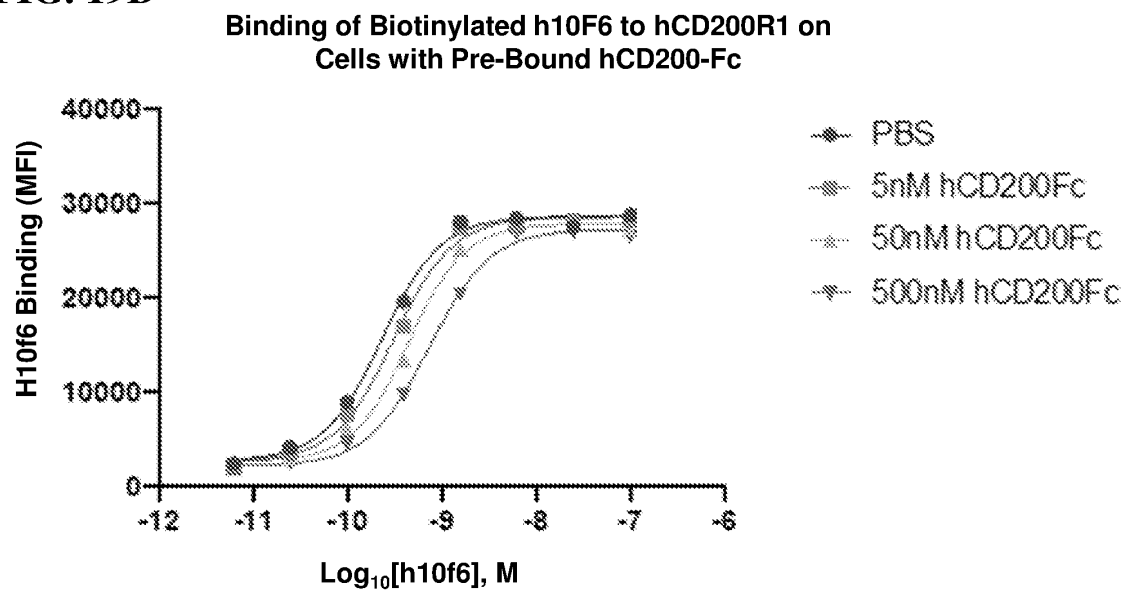


FIG. 20

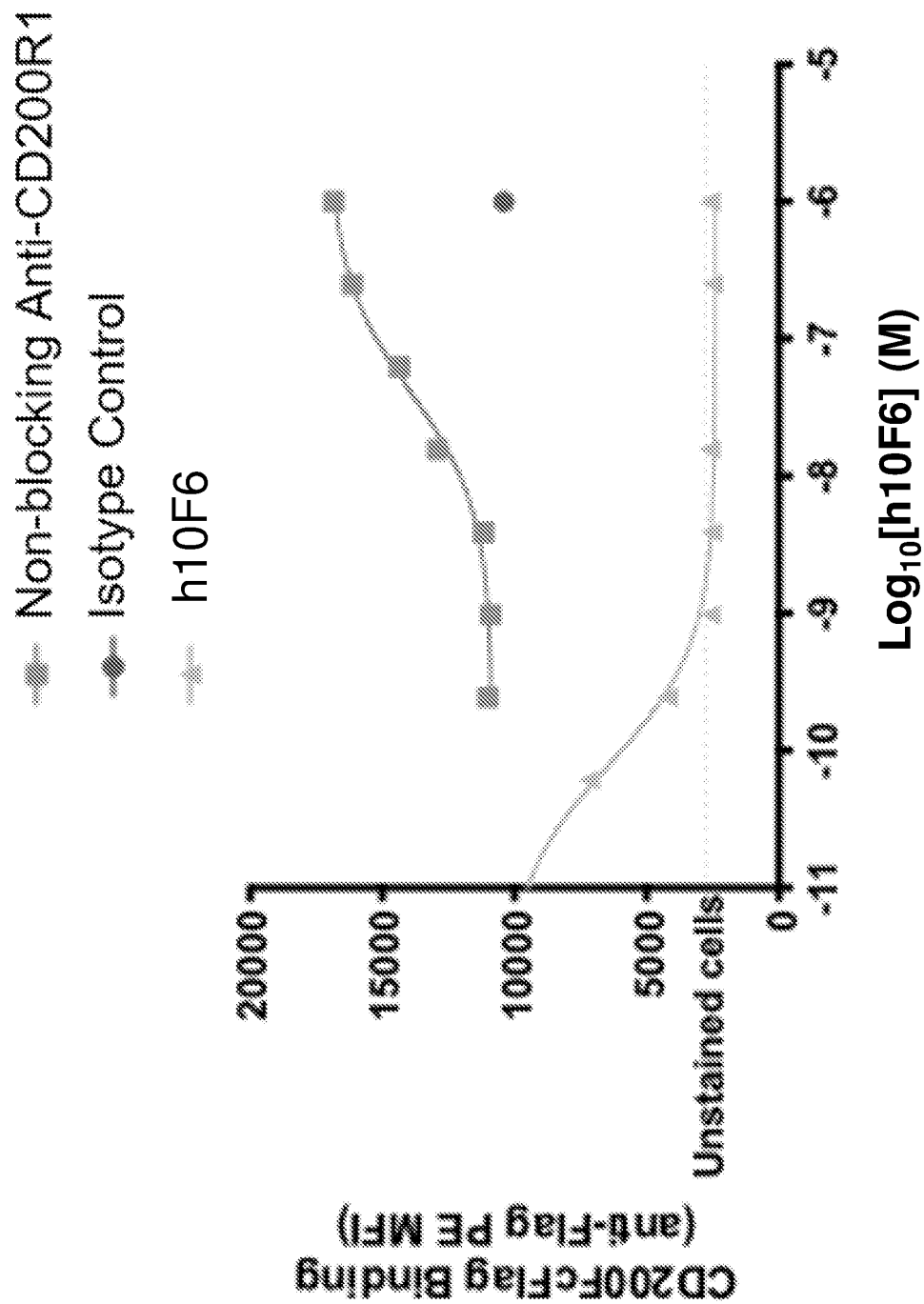


FIG. 21

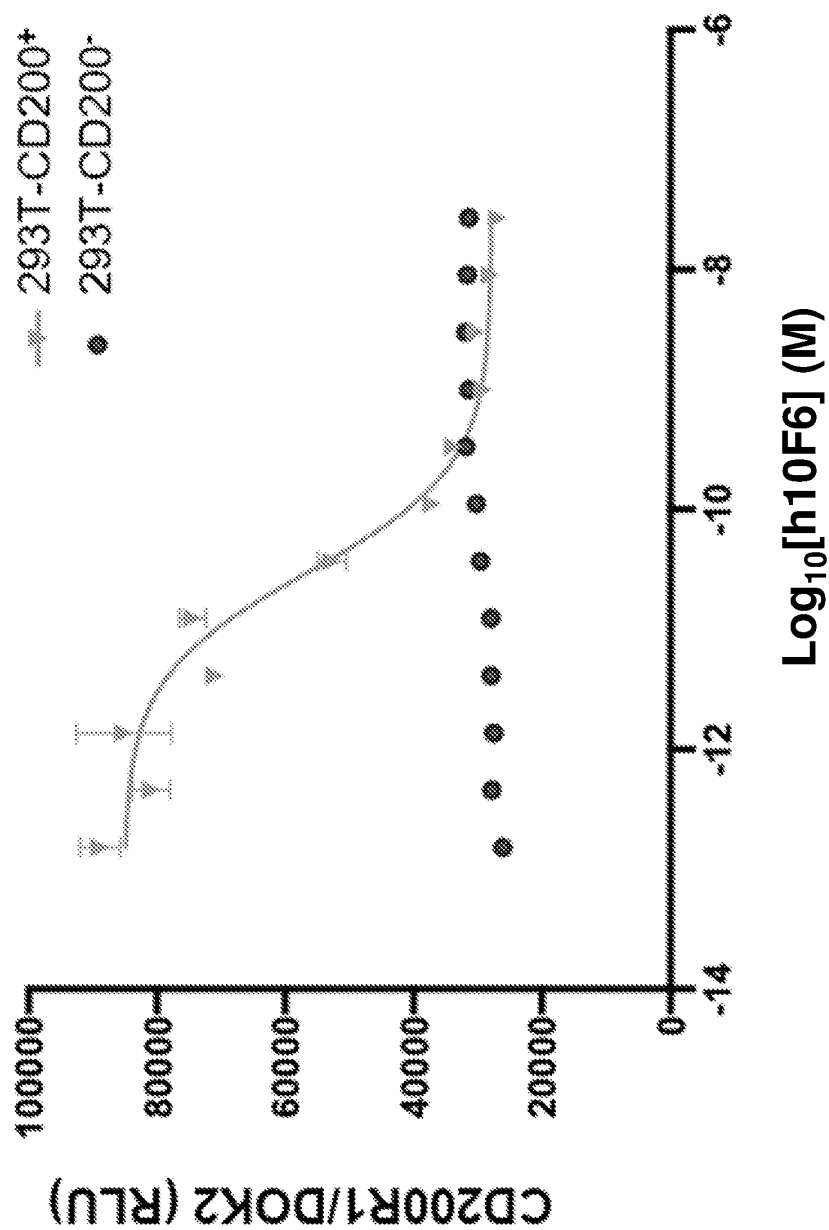


FIG. 22A

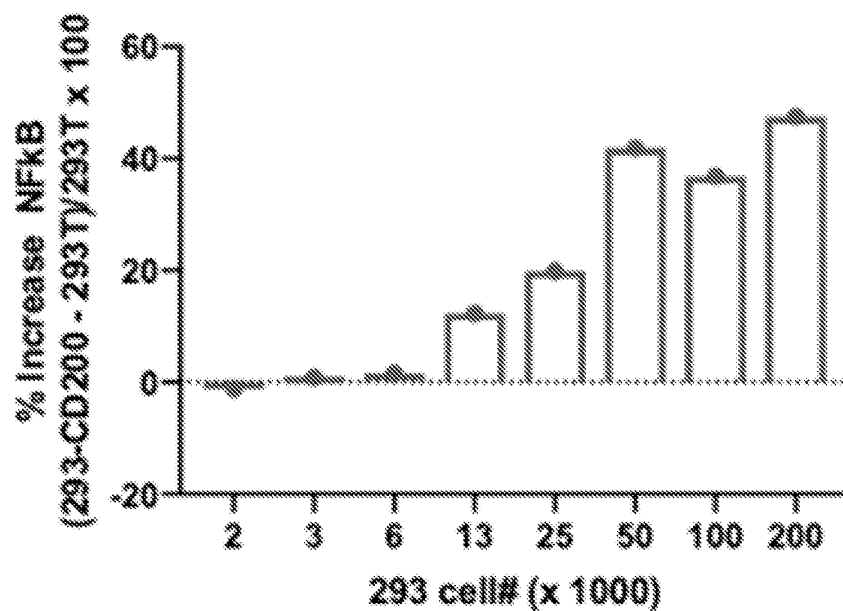


FIG. 22B

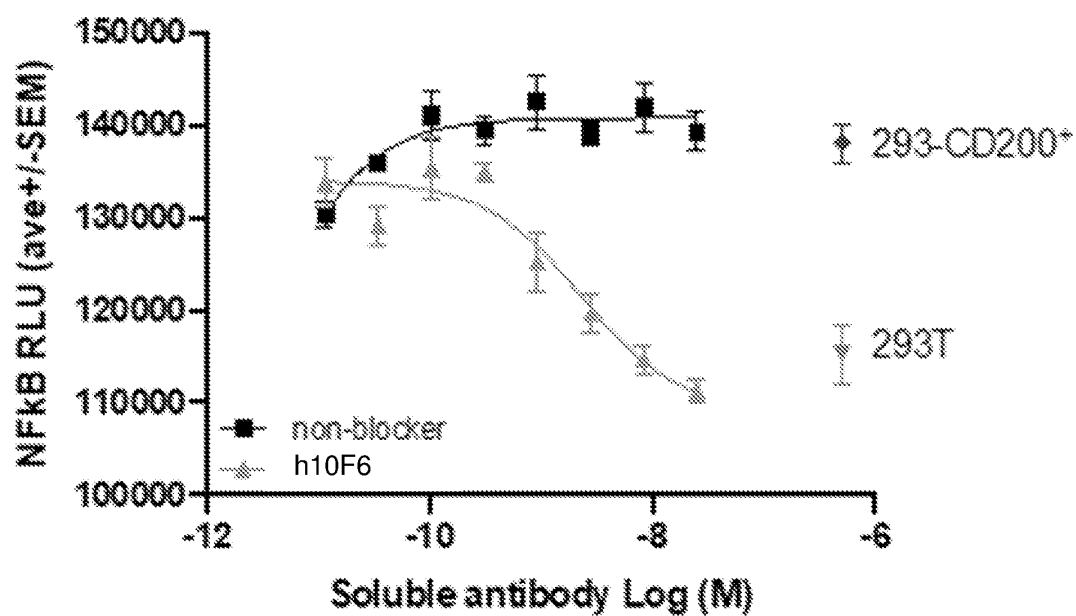


FIG. 23A

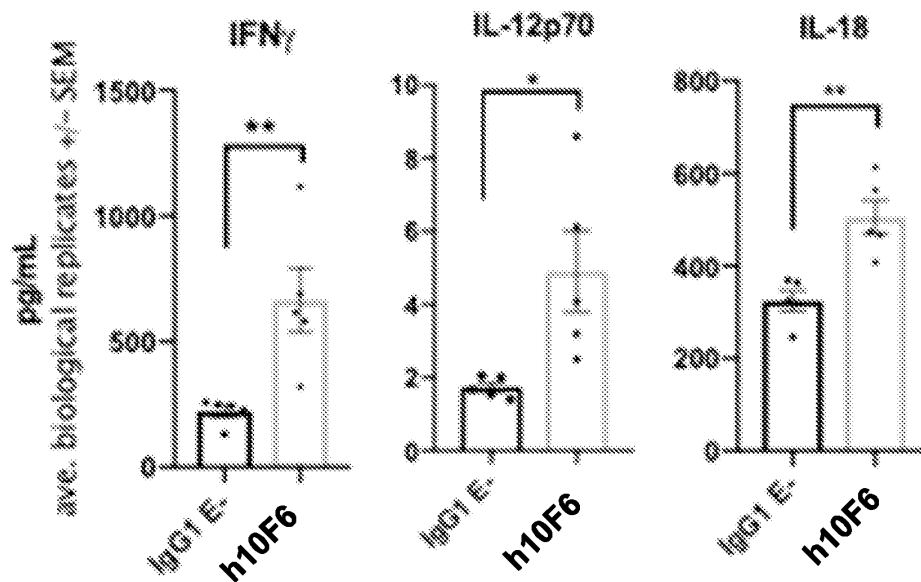


FIG. 23B

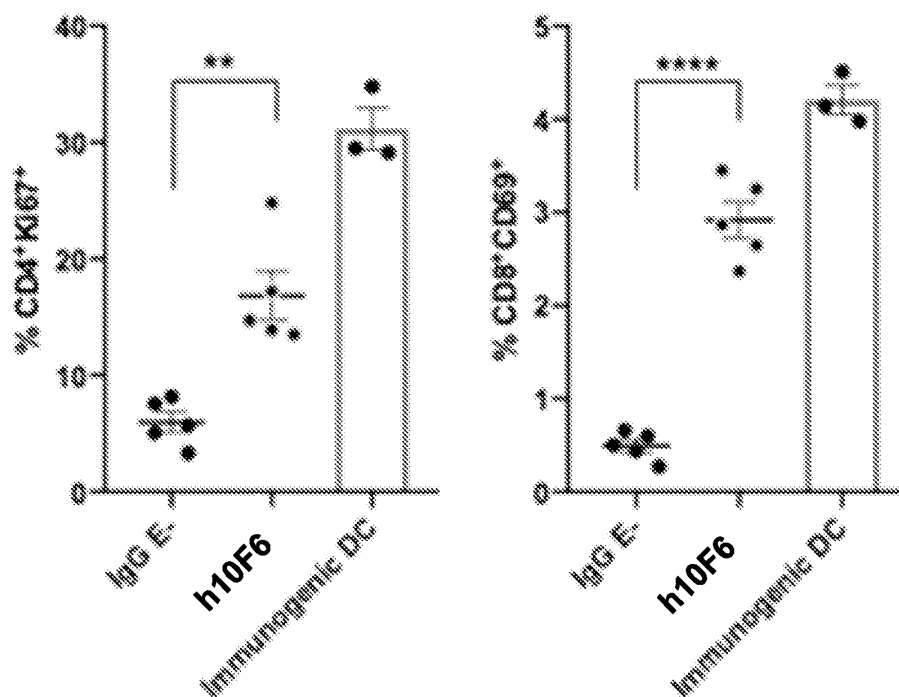


FIG. 23C

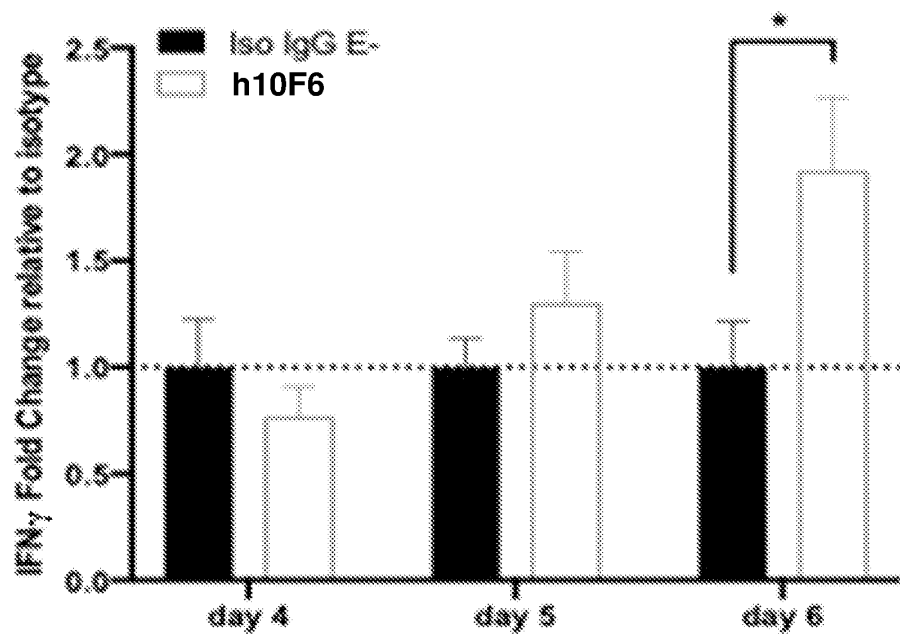


FIG. 24A

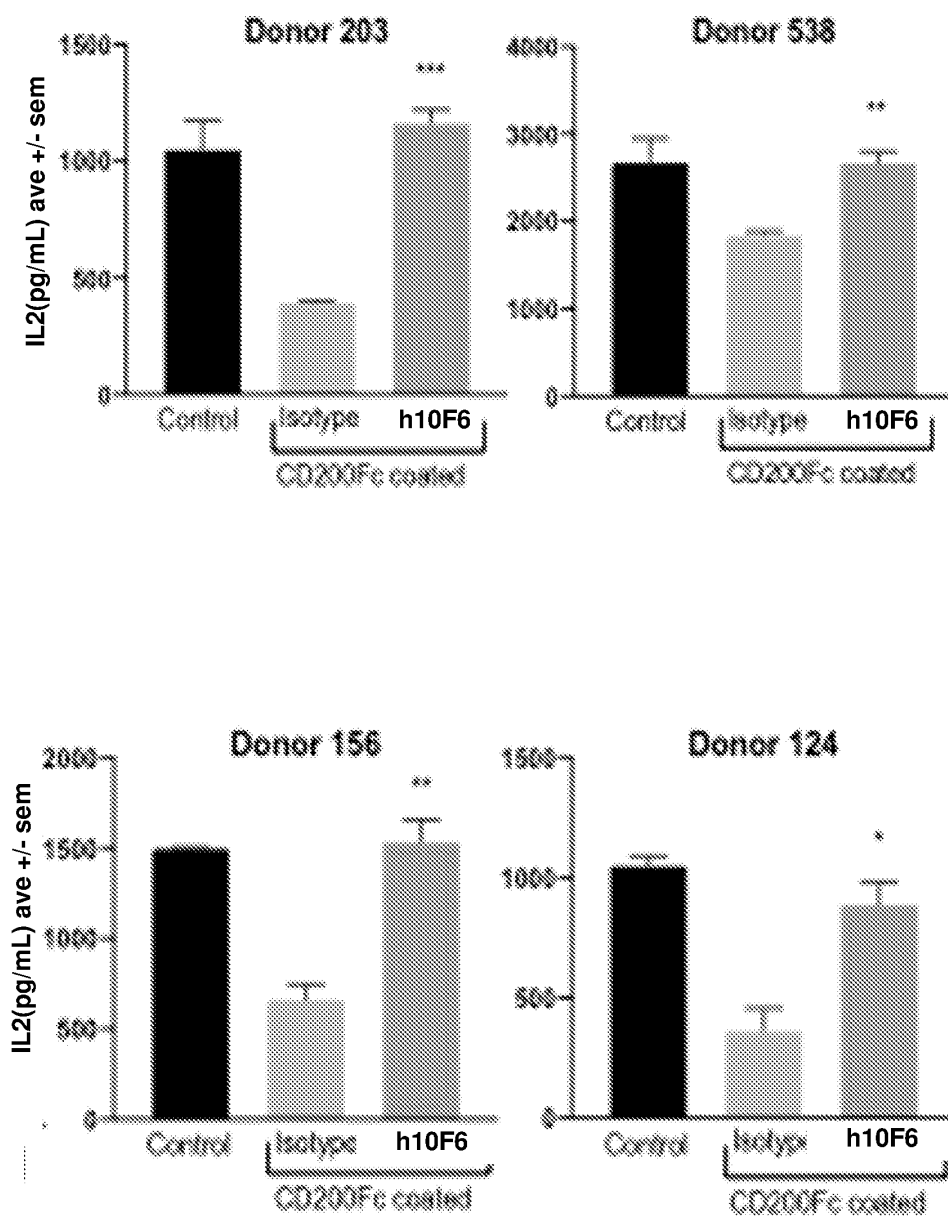


FIG. 24B

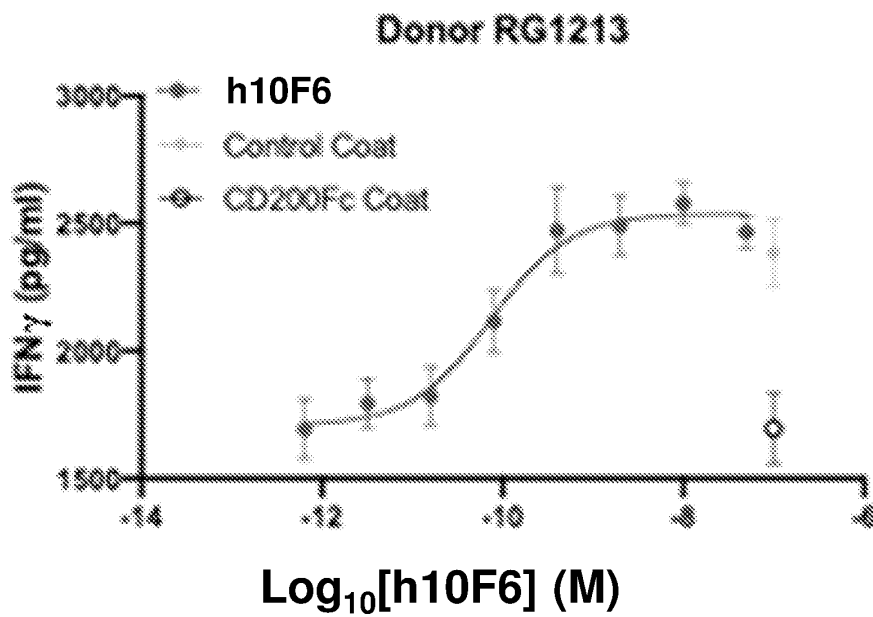


FIG. 25A

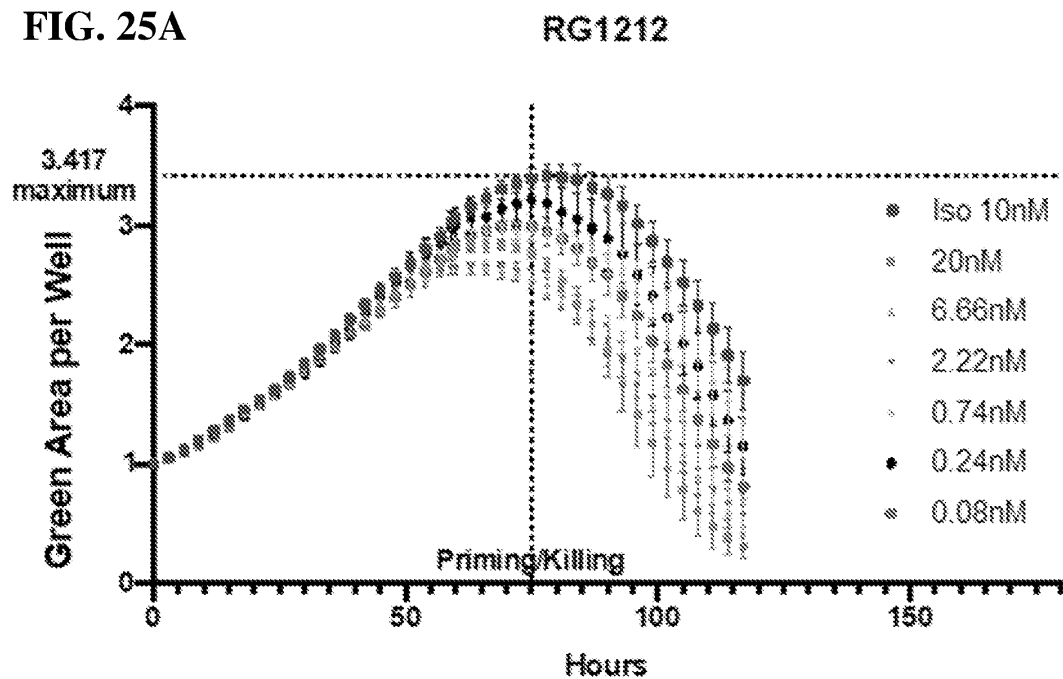


FIG. 25B

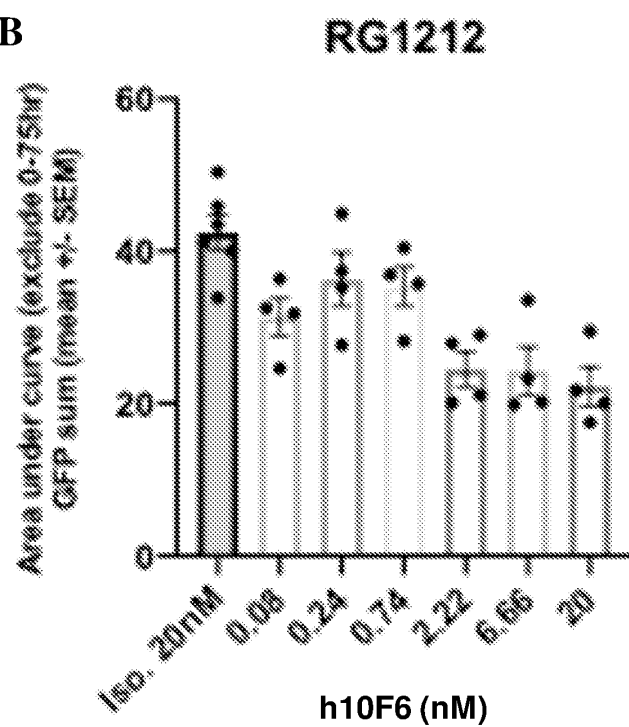


FIG. 26A

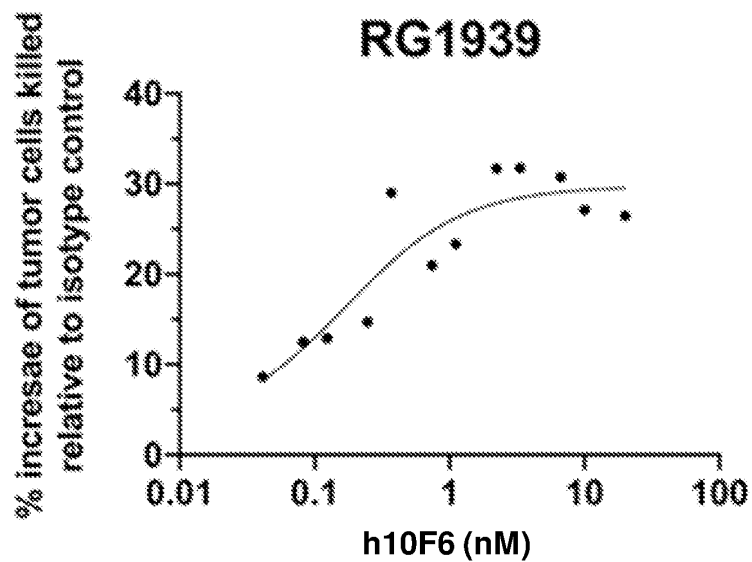


FIG. 26B

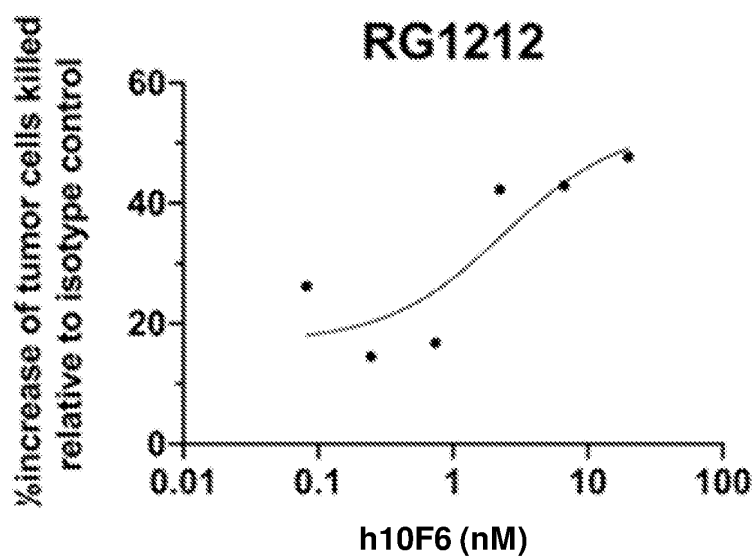


FIG. 26C

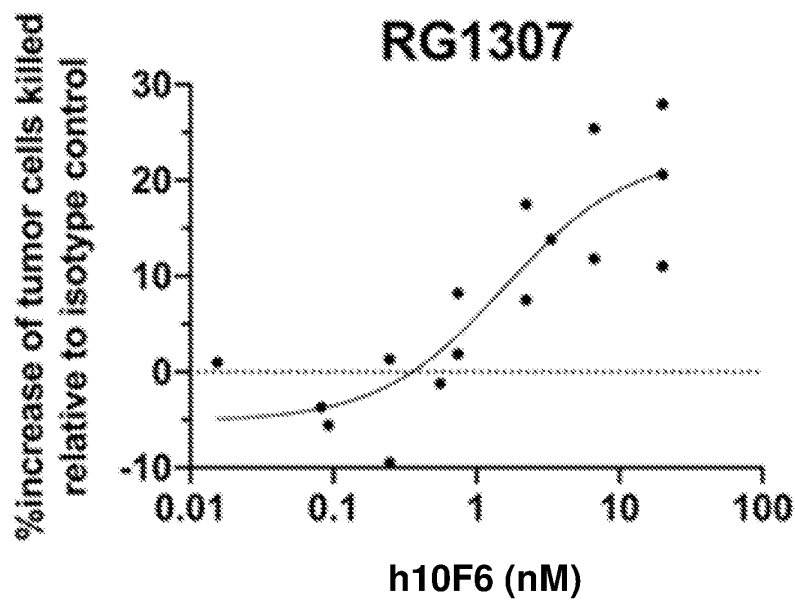


FIG. 26D

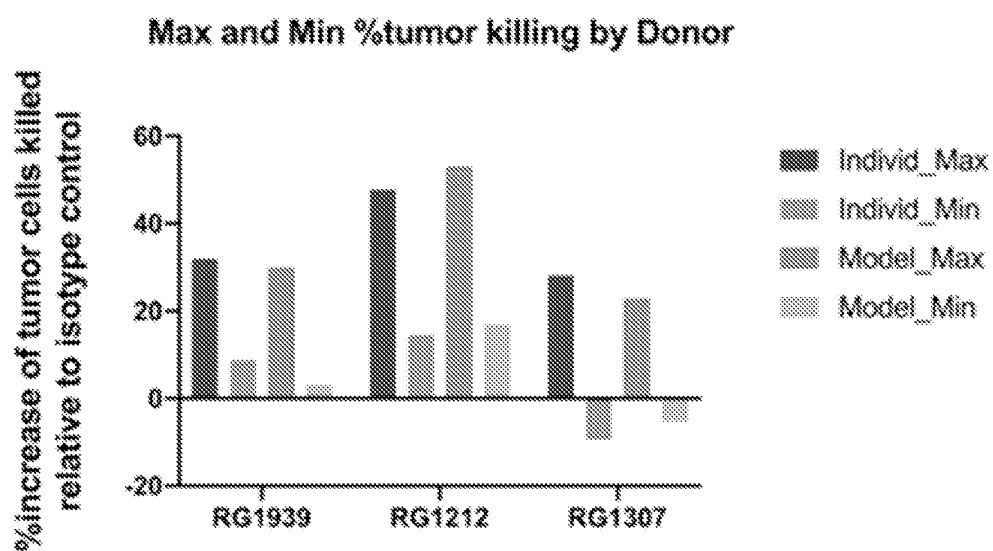


FIG. 27

Monkey CD4⁺ T Cells

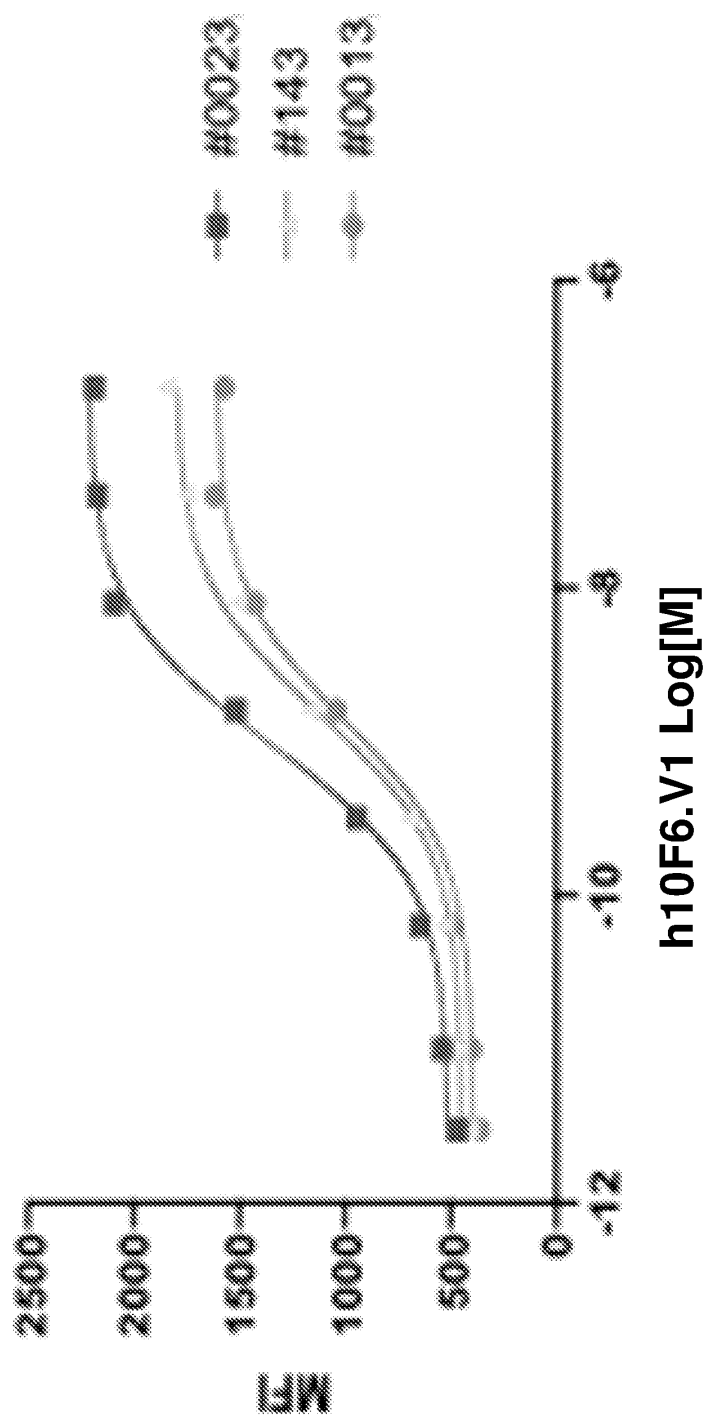


FIG. 28

Blocking ELISA (MfCD200:MfCD200R1)

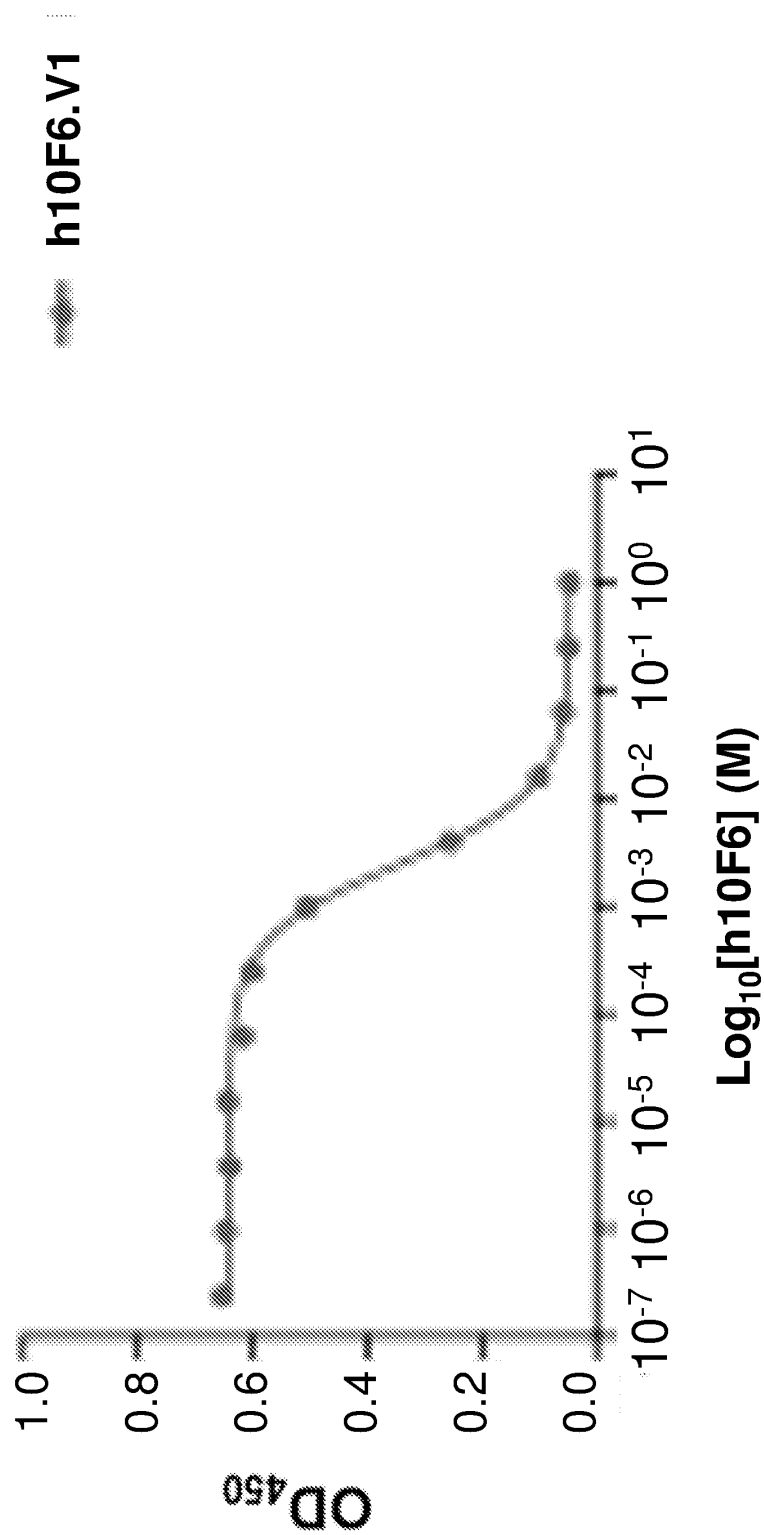


FIG. 29
Binding of MfCD200 to MfCD200R1 Expressed on K562 Cells

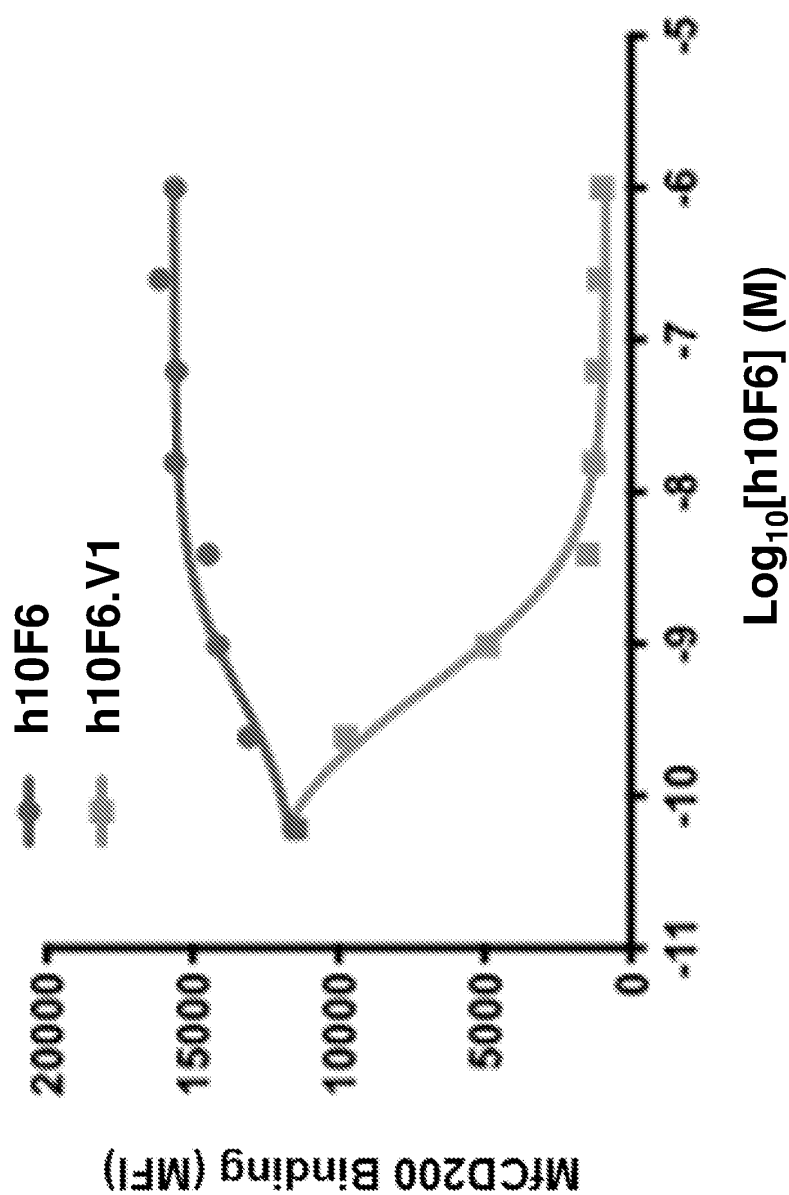


FIG. 30

