

FIG. 1A

VL domain sequences

OX108-LC	1	DIVLTQSPASLA	VSLGQRATIS	CRASKSVSTIS	SGYSNMHWY	QQKPGQPPK	LLIYLASN	ES	56
22.1-LC	1	DIVLTQSPASLA	VSLGQRATIS	CRASKSVSTIS	SGYSNMHWY	QQKPGQPPK	LLIYLASN	ES	56
10F6-LC	1	DIVLTQSPPSLA	VSLGQRATM	SCRASESVDI	SGNSFMHWF	QQKAGQPPK	LLIYRASNL	ES	56
9B8-LC	1	QIVLTQSPALT	SASPGEKVT	MTCASSSV	-----SYNMWF	QQKPRSSPK	PWIYLTSKLA	S	56
5D1-LC	1	DVQITQSPSYLA	ASPGETTIT	INCRASKSIS	-----KYLAWY	QEKPGKTNK	FLIYSGSTL	QS	56
10A2-LC	1	DVQITQSPSYLA	ASPGETTIT	INCRASKSIS	-----KYLAWY	QEKPGKTNK	LLIYSGSTL	QS	56
1F3-LC	1	DVQMIQSPSSLA	SASLGDKVT	MTCQASHTI	-----NLNWF	QQKPGKAPK	LLIYGTSNL	ED	56
11E4-LC	1	DVQMIQSPSSLA	SASLGDKVT	MTCQASHTI	-----NLNWF	QQKPGKAPK	LLIYGTSNL	ED	56
OX108-LC	57	GVPARFSGSG	SGTDFTLIN	IHPVEEEDA	ATYYCQHSRE	LLIFGAGTK	VEIK		107
22.1-LC	57	GVPVRFSGSG	SGTDFTLIN	IHPVEEEDA	ATYYCQHKRE	LLIFGAGTK	LELK		107
10F6-LC	57	GIPARFSGSG	SRDFTLTIN	PLEADDVA	TYCHQSNED	PFIFGGG	TKLEMK		107
9B8-LC	57	GVPARFSGSG	SGTSYSLT	ISSMEAEDA	ATYYCQQNSSYPL	IFGAGTK	LELK		107
5D1-LC	57	GIPSRFSGSG	SGTDFTLT	ISSLEPED	FAMYYCQQYNEYP	WIFGGG	TKLEIK		107
10A2-LC	57	GIPSRFSGSG	SVTDFTLT	ISSLEPED	FAMYYCQQYNEYP	WIFGGG	TKLEIK		107
1F3-LC	57	GVPPRFSGSG	YGTDTLT	ISSLEDEDM	ATYFCLOHTYLP	WIFGGG	TKLEIK		107
11E4-LC	57	GVPPRFSGSG	YGTDTLT	ISSLEDEDM	ATYFCLOHTYLP	WIFGGG	TKLEIK		107

FIG. 1B

VH domain sequences

OX108-HC	1	EVKLQSGPELVKPGASVKMSCKASGYTF	TSYVMHWVKQKPGQGLEWIG	INPYNDDITNYNE	61
22.1-HC	1	EVQLQSGPELVKPGASVKMSCKASGYTF	TSYVMEHWVKQKPGQGLEWIG	INPYNDDITKYNE	61
10F6-HC	1	QVQLKESGPGLVAPQSLSITCTVSGFSL	INIAVSVVRQPPGKGLEWLG	VMWAGGGININS	61
9B8-HC	1	EVQLQSGTVLVKPGASVKLSCTASGFNI	KDDYMHVVKQRPQGLEWIG	RIDPANDNTRKYP	61
5D1-HC	1	EVQLQSGAELVRPGASVKLSCTASGFNI	KDDYMHVVKQRPQGLEWIG	RIDPENGNTKYGP	61
10A2-HC	1	EVQLQSGAEFVRPGASVKLSCTTSGFYI	KDDYIHWVKQRPQGLEWIG	RIDPANGNTRKYP	61
1F3-HC	1	EVQLQSGAEFVRPGASVRLSCTTSGFYI	KDDYIHWVKQRPQGLEWIG	RIDPANGNTRKYP	61
11E4-HC	1	EVQLQSGTVLARPASVKMSCEASGYTF	TSYVMHWVKQSPGGQGLEWVG	AIYPCNSDINKIQ	61
OX108-HC	62	KFKGKATILTSKSSSTAYMELSSLTSEDS	SAVYCCAREDYVYSR	WGHWGQGTTLTVSS	113
22.1-HC	62	KFKGKATILTSKSSSTAYMELSSLTSEDS	SAVYCCAREDYVYSR	FWHWGQGTTLTVSS	113
10F6-HC	62	VFKSRLTISKDNKSQVFLKMNSLQTD	TARYCCAPERPLIGV	MDHWGQGTSTVTSS	113
9B8-HC	62	KFQDRATITADTSSNTAYLQLSSLTSE	DTAHYCTRVEGRIGTY	FDHWGQGTTLTVSS	113
5D1-HC	62	KFQDKATITADTSSNTAYLQFSSLTSE	DTAVYCTRQGLRRVWYALD	HWGQGTSTVTSS	113
10A2-HC	62	KFQDKATITADTSSNTAYLQLSRLTSE	DTAVYCCARQGLRRVWYSLD	HWGQGTSTVTSS	113
1F3-HC	62	KFQDKATITADTSSNTAYLQLNSLTSE	DTAVYCTRQGLRRVWYAMD	HWGQGTSTVTSS	113
11E4-HC	62	KFKGKAKLTAVTSASTAYMELSSLTNED	SAVYYCTTA	VGSHHWGQGTTLTVSA	113

FIG. 2

VH domain sequence

Human germline	1	QVQLQESGPGLVKPSSETLSLTCTVSGFSLTNYAVSWVRQPPGKGLFGLVGMWAGGTNYN	60
Murine 10F6	1	...K...A..QS..I.....	60
Humanized 10F6	1	E...Q.....K..ET..L.....	60
Human germline	61	SVFKSRLLTISKDNSKNQVSLKLSSVTAADTAVYYCARERPLTGVM DYWGQGLVTVSS	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	DIVLTQSPDLSAVSLGERATINCRASESVDYSGNSFMHWFQOKPGQPPKLLIYRASNL	60
Murine 10F6	1	P.....Q...MS.....A.....	60
Humanized 10F6	1	D.....E...IN.....P.....	60
Human germline	61	GIPDRFSGSGSRDTFTLTISSLQAEDVAVYYCHQSNEDPPTFGGGTKVEIK	107
Murine 10F6	61	...A.....NP..E.D...T.....L..M..	107
Humanized 10F6	61	...D.....SS..Q..E...V.....V..I..	107

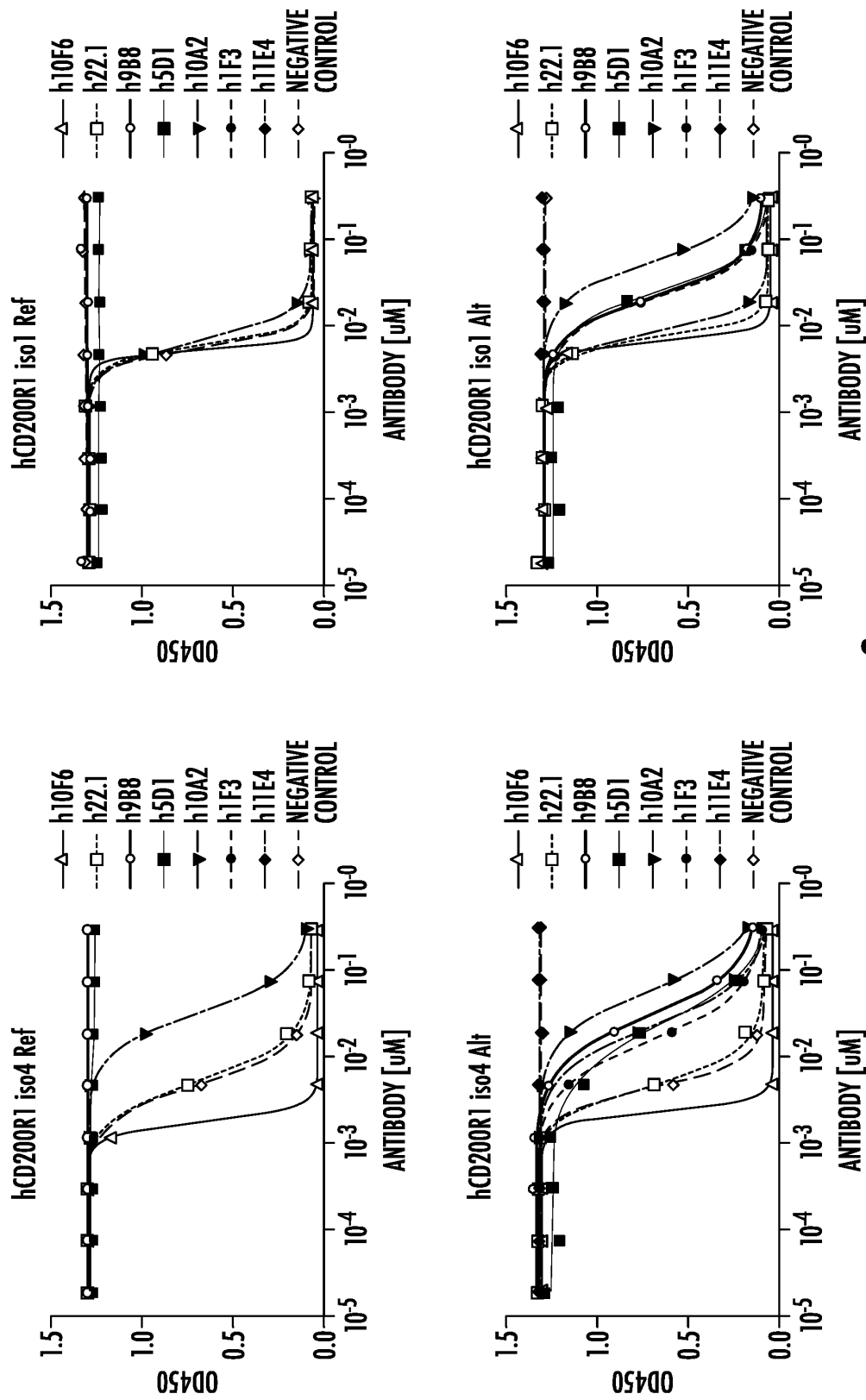
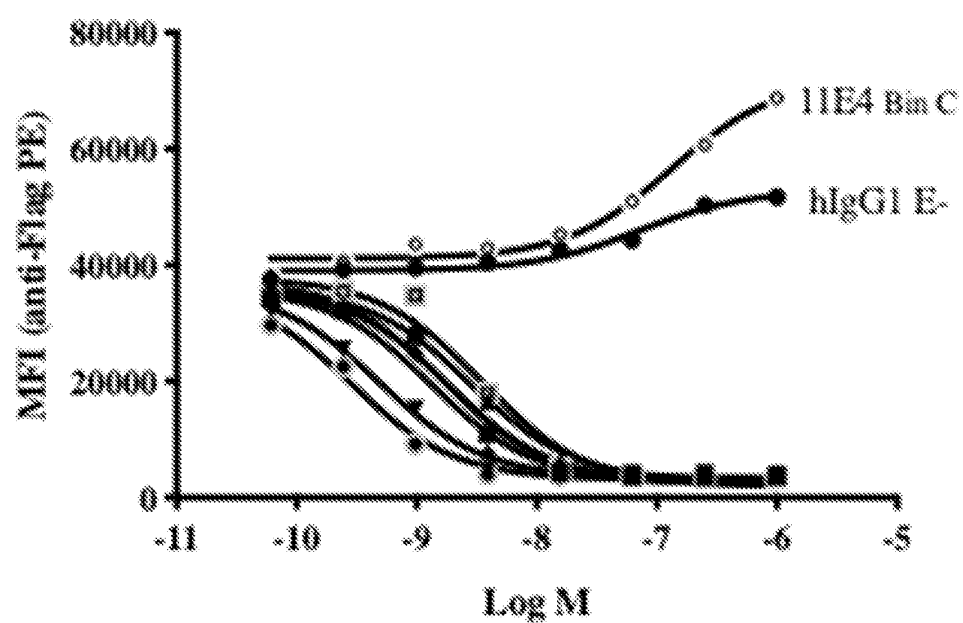


FIG. 3

FIG. 4

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



IC50		
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	◆

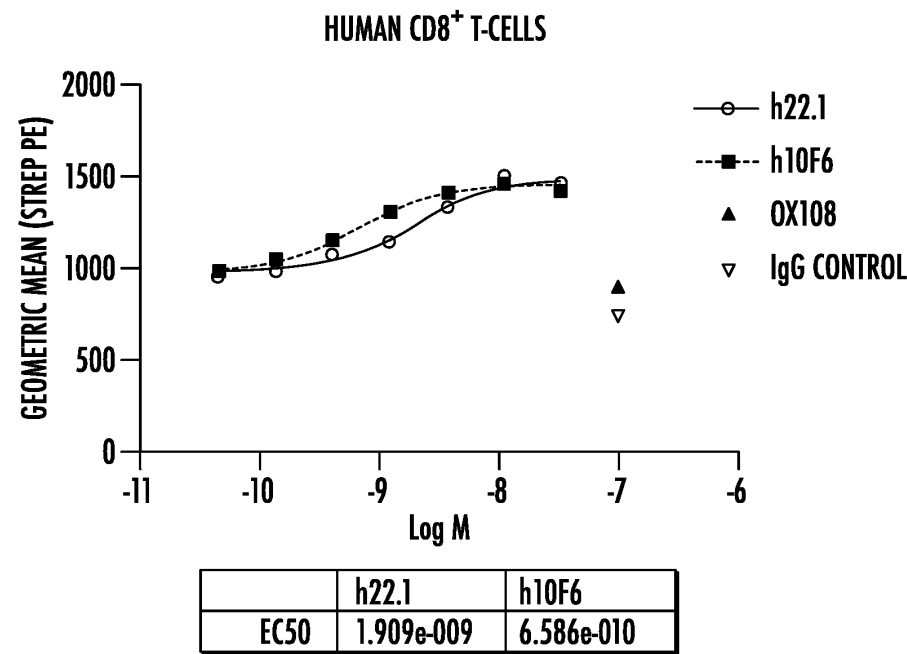
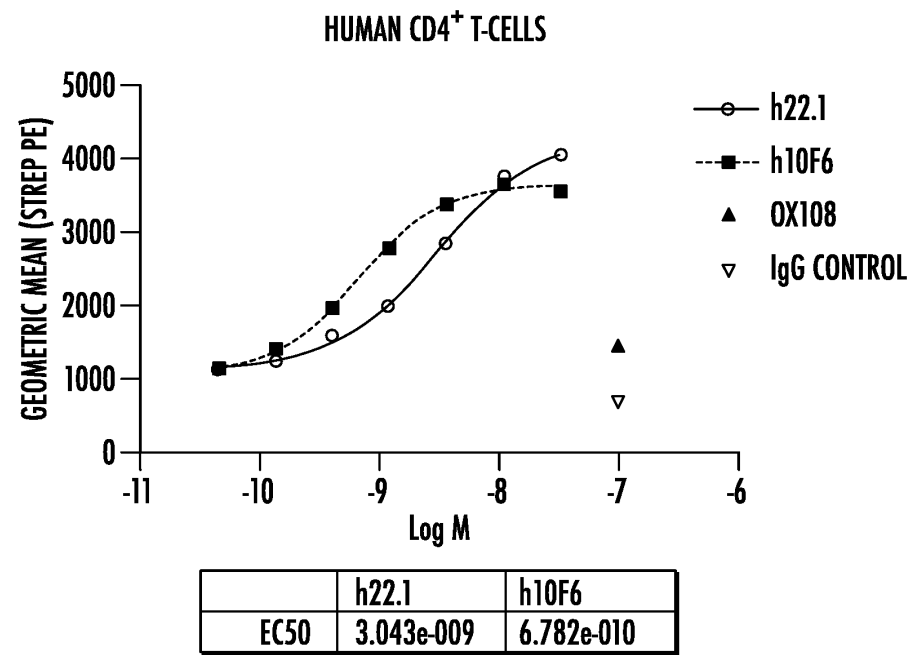


FIG. 5A

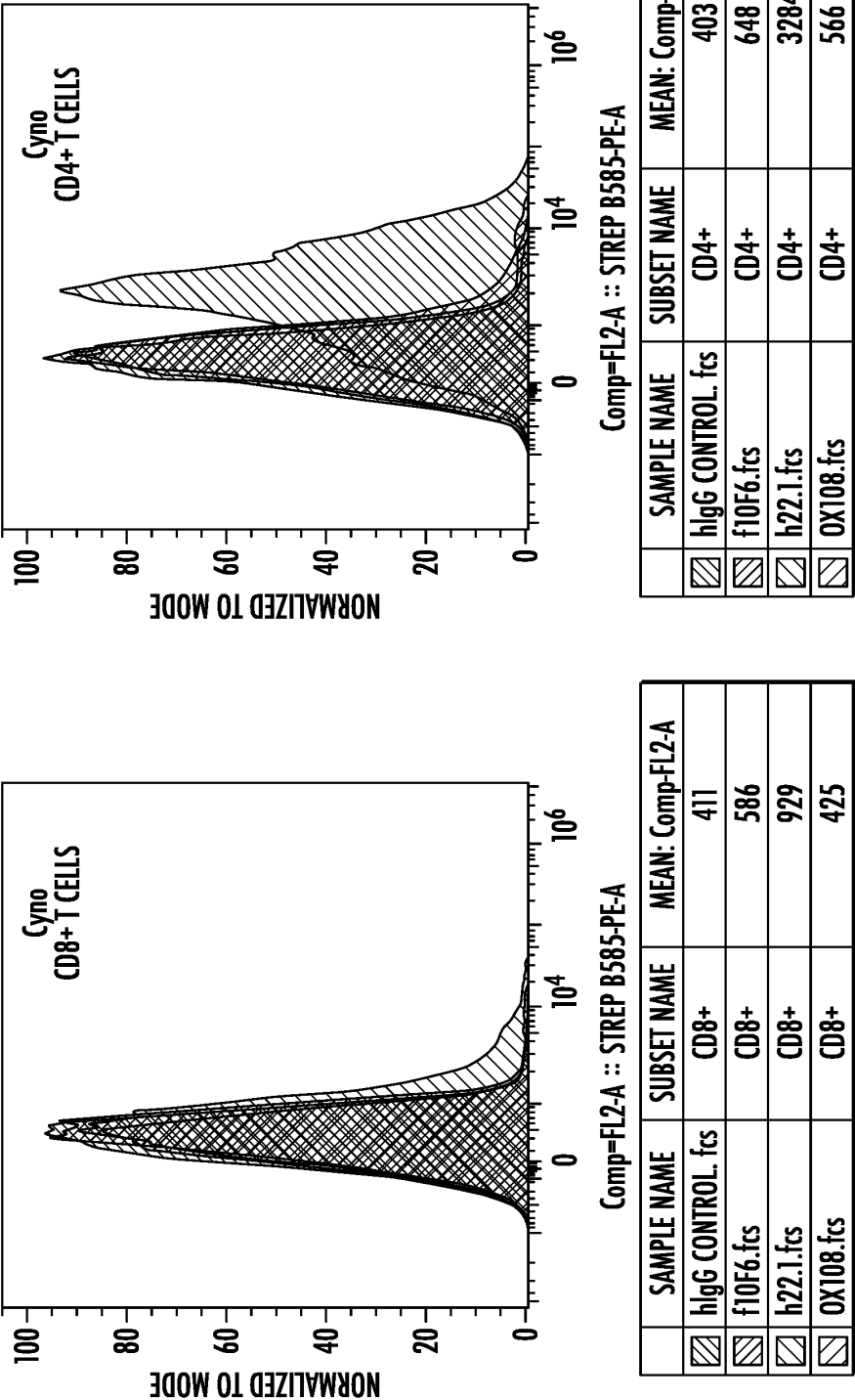


FIG. 6

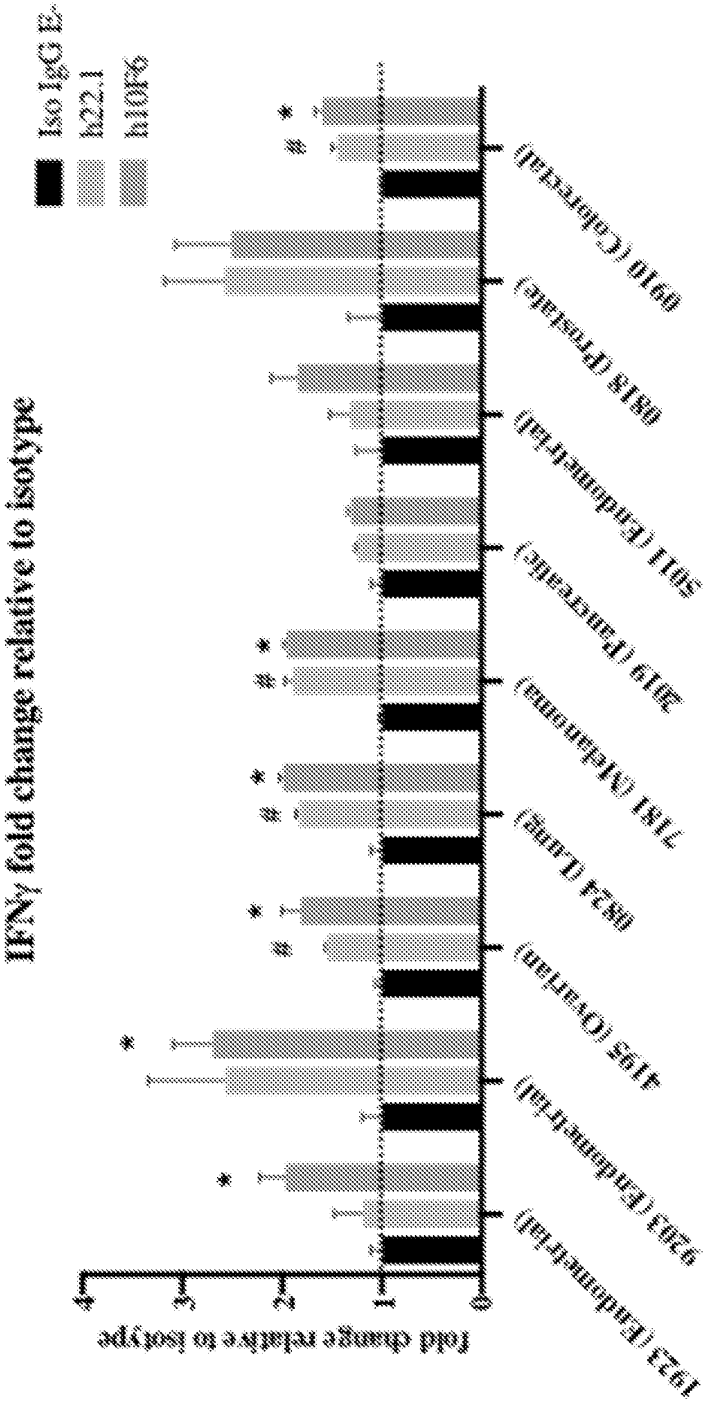


FIG. 7A

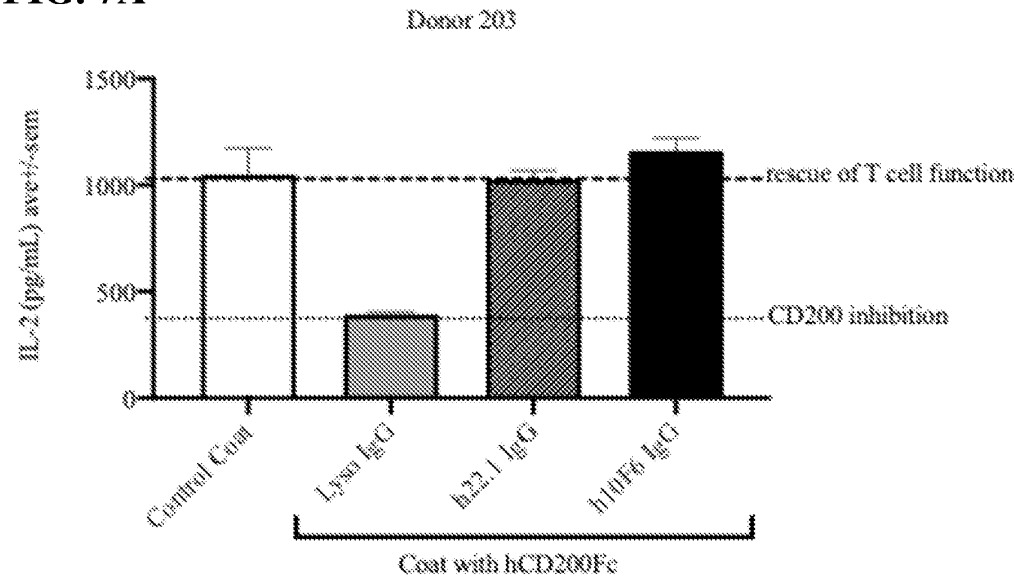


FIG. 7B

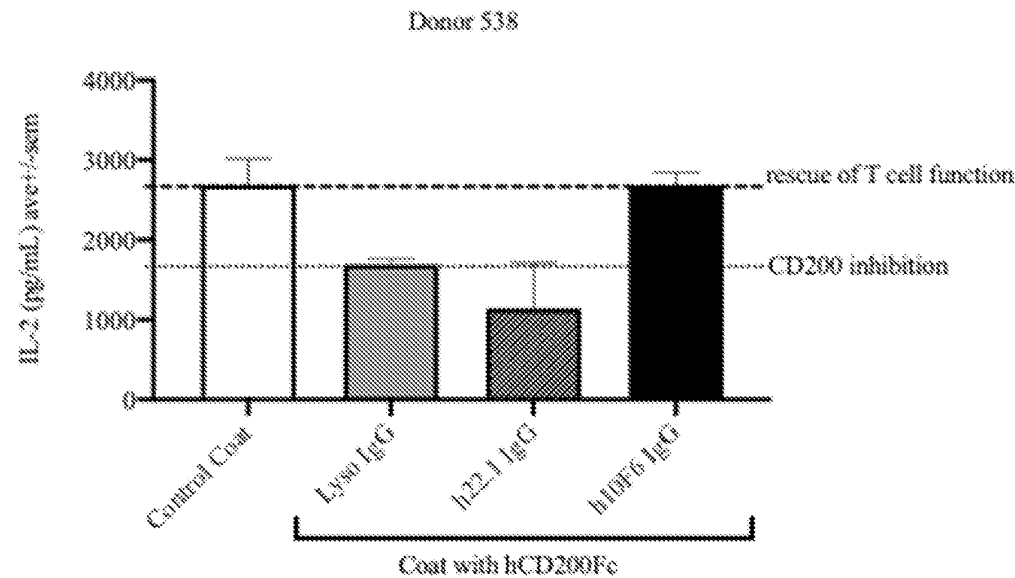


FIG. 7C

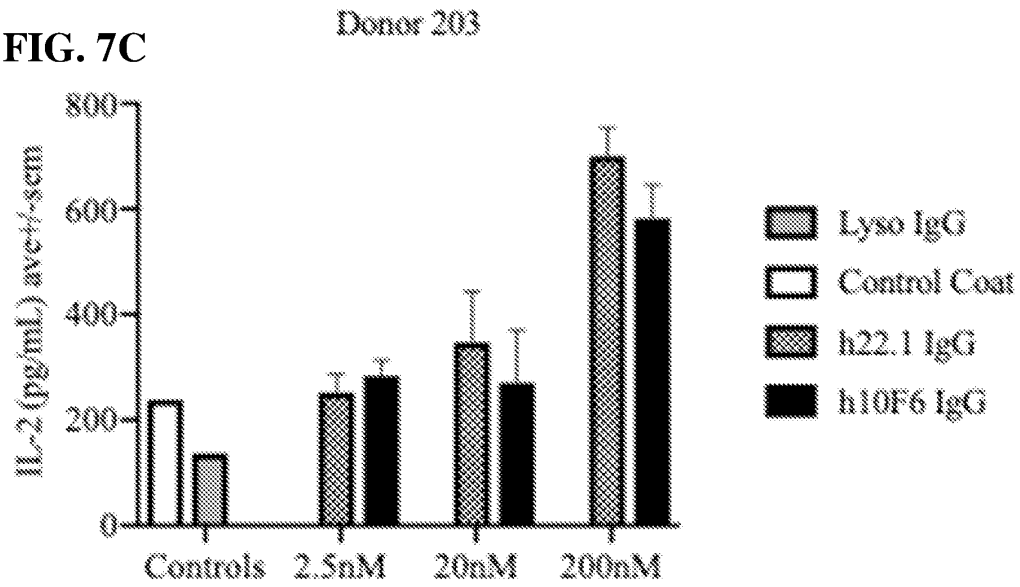


FIG. 7D

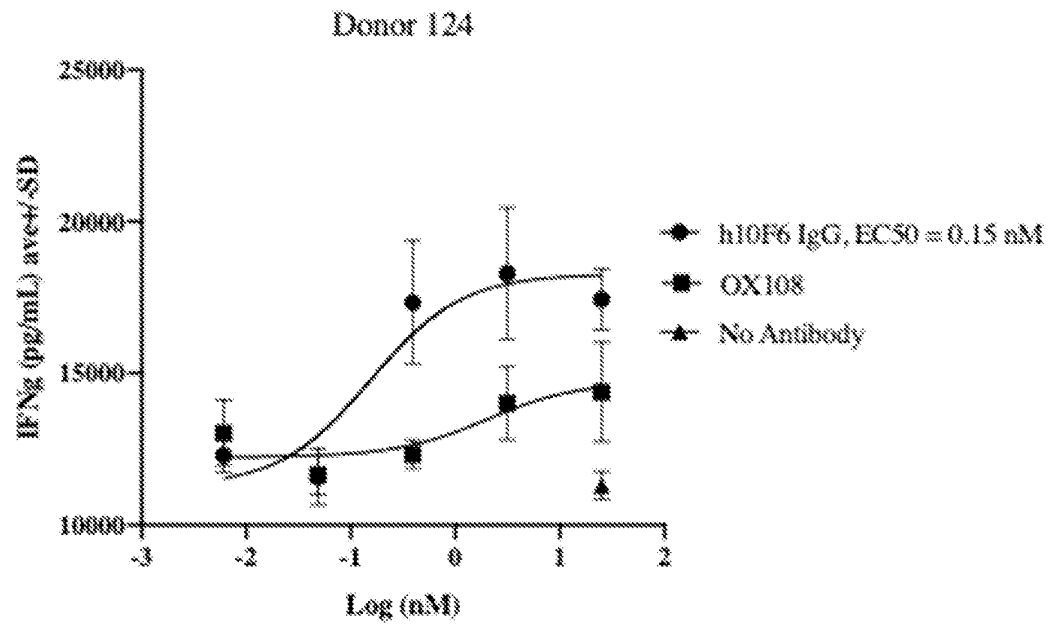


FIG. 8A

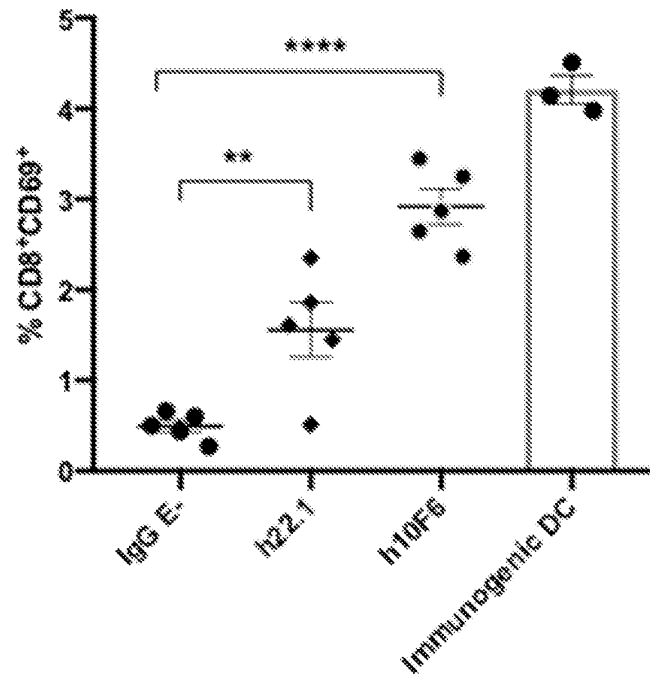


FIG. 8B

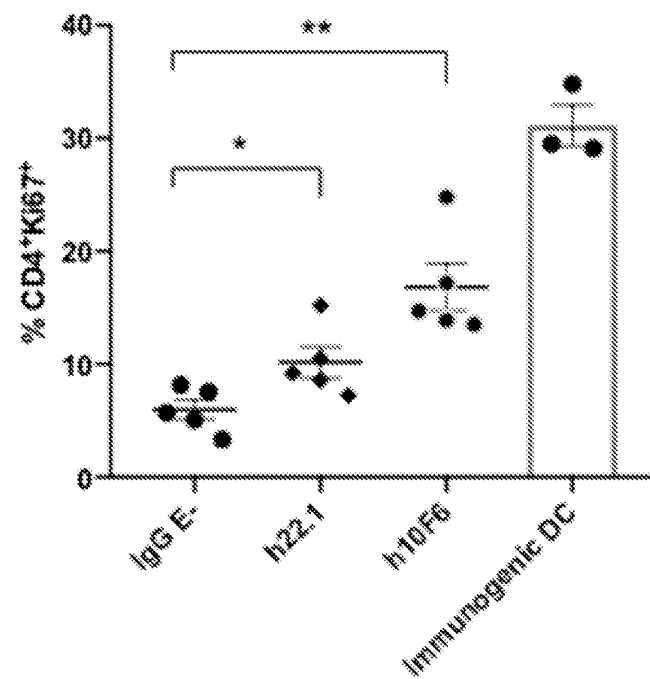
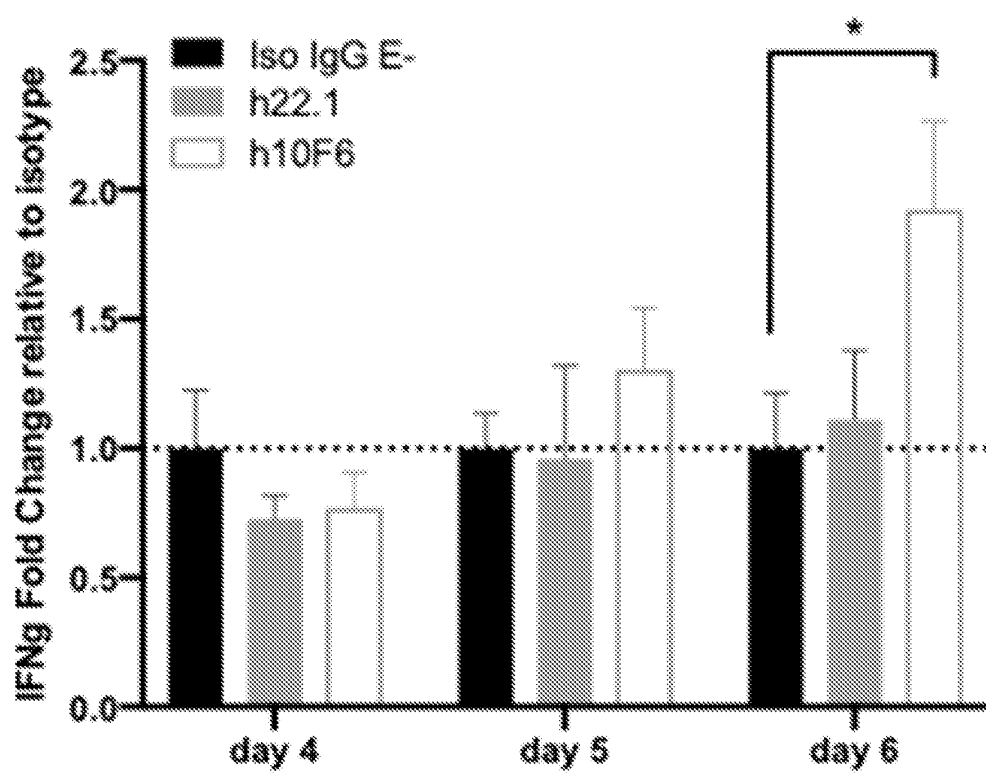


FIG. 8C



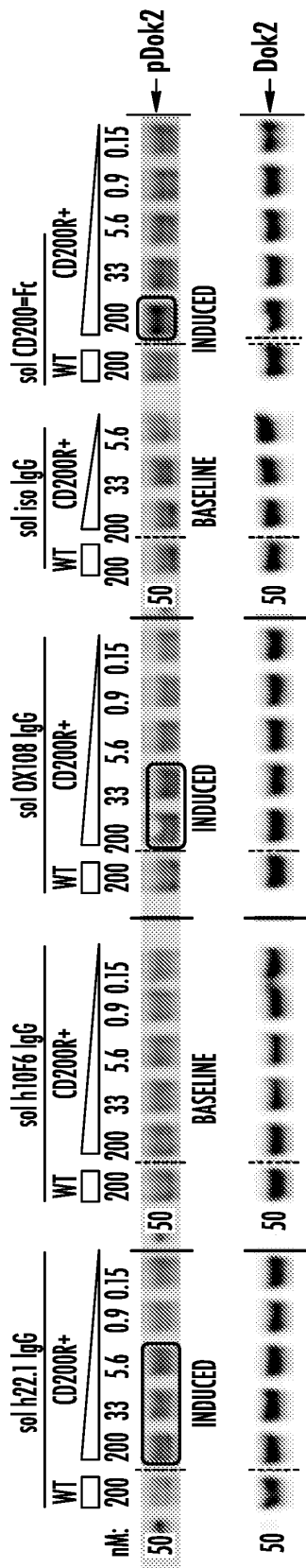


FIG. 9

FIG. 10A

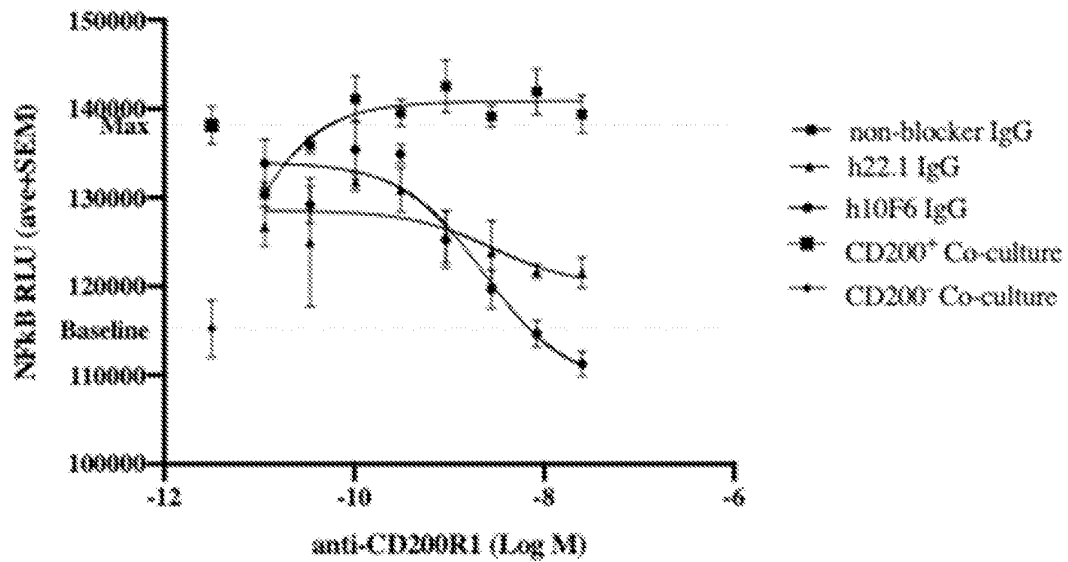
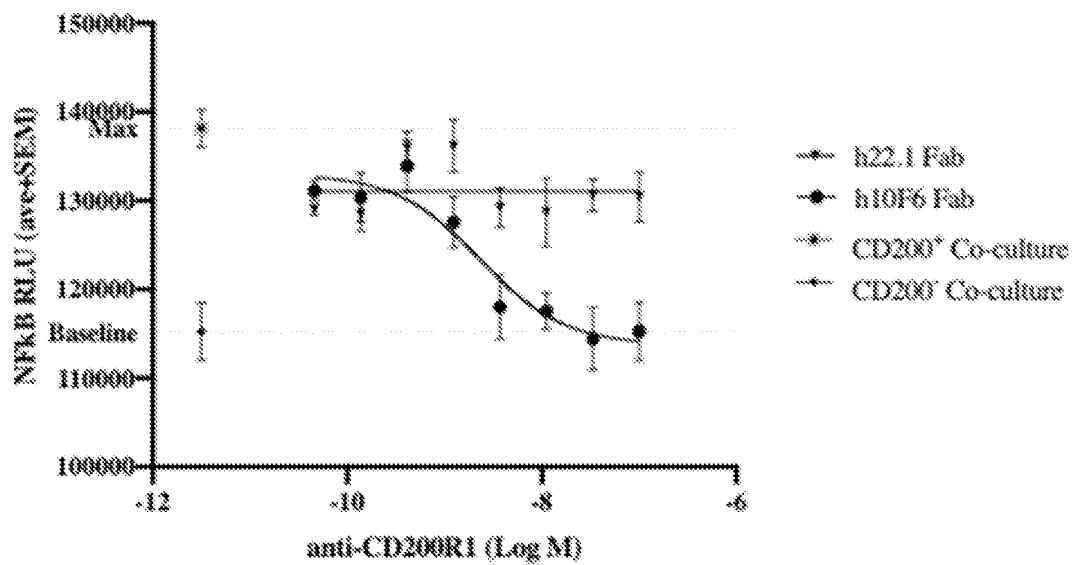


FIG. 10B



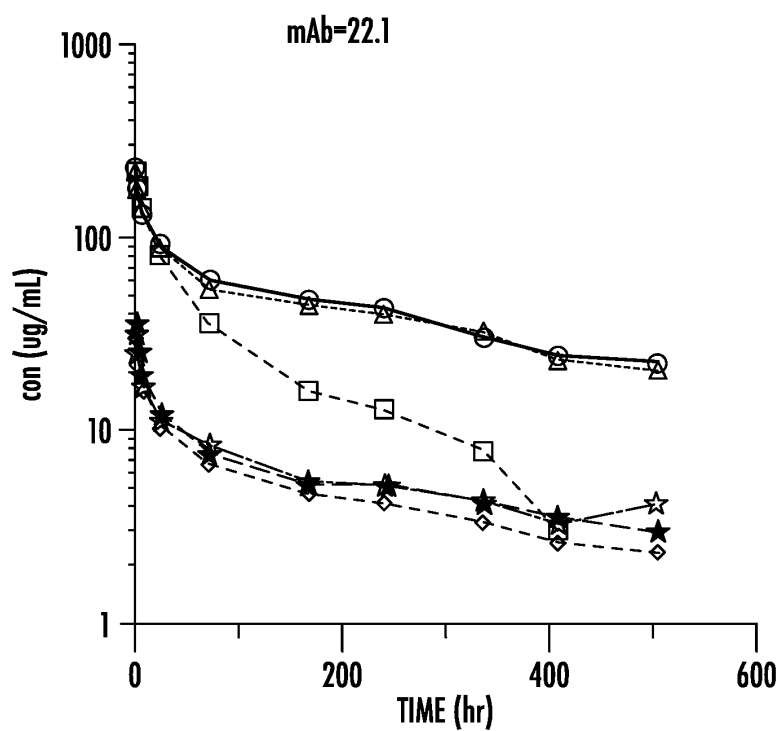
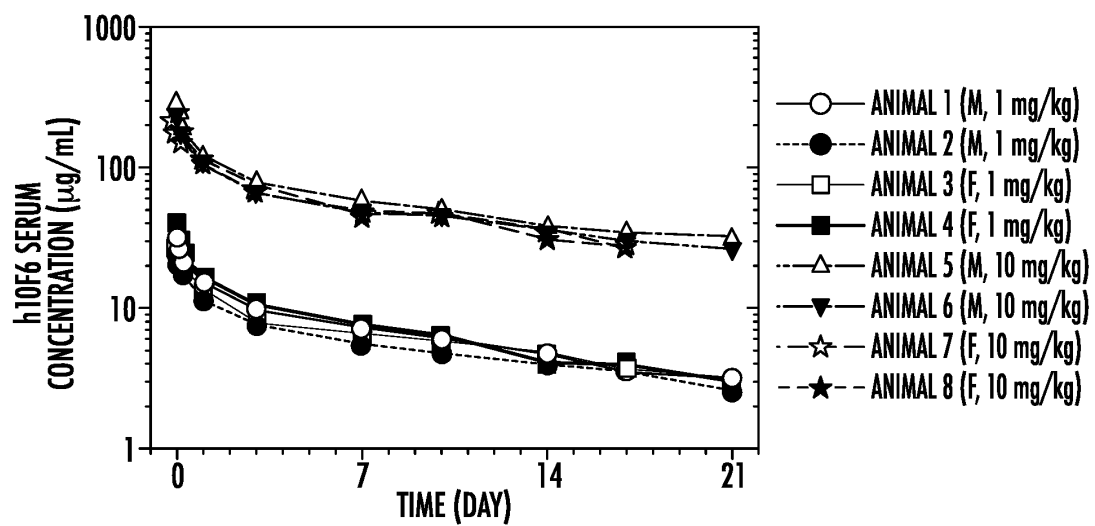
**FIG. 11**

FIG. 12

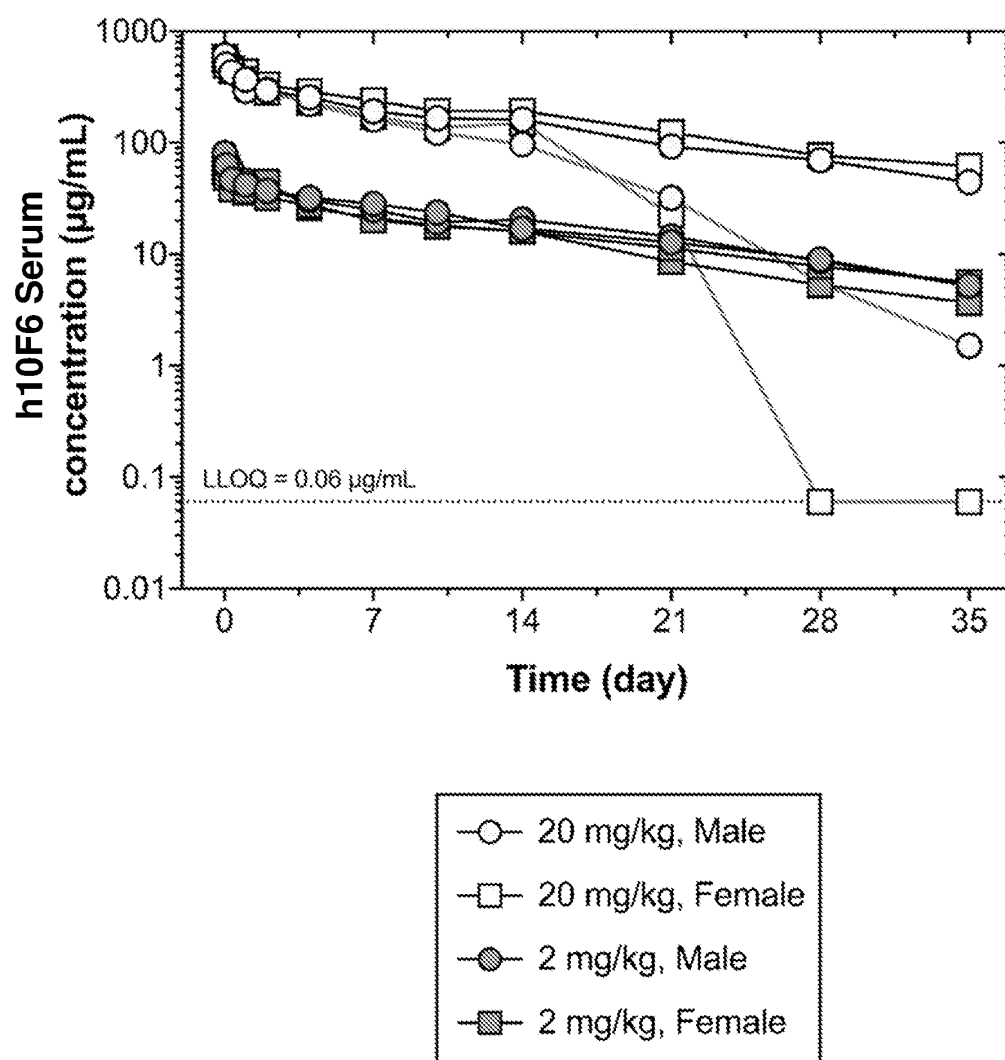


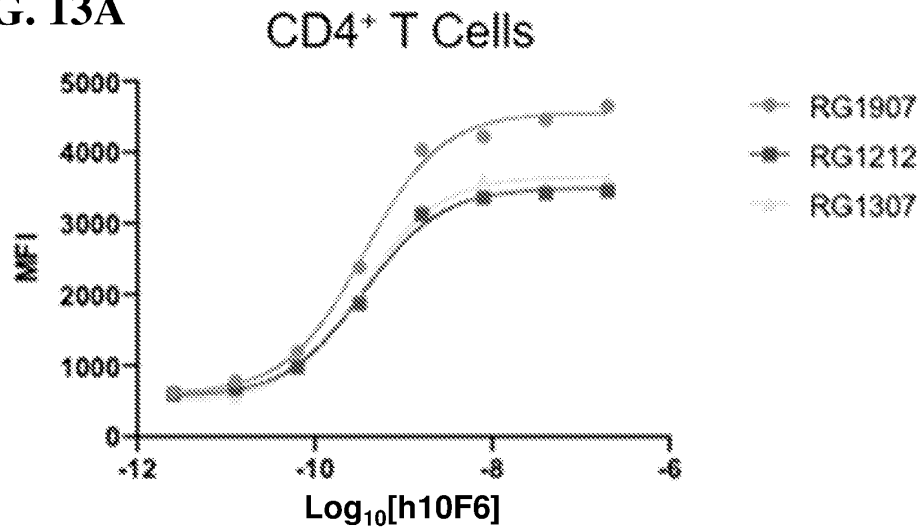
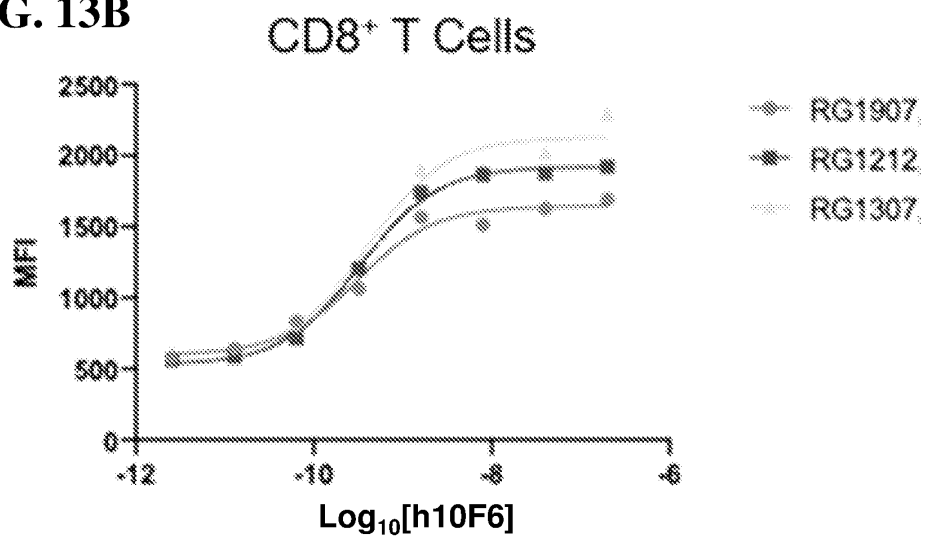
FIG. 13A**FIG. 13B**

FIG. 14

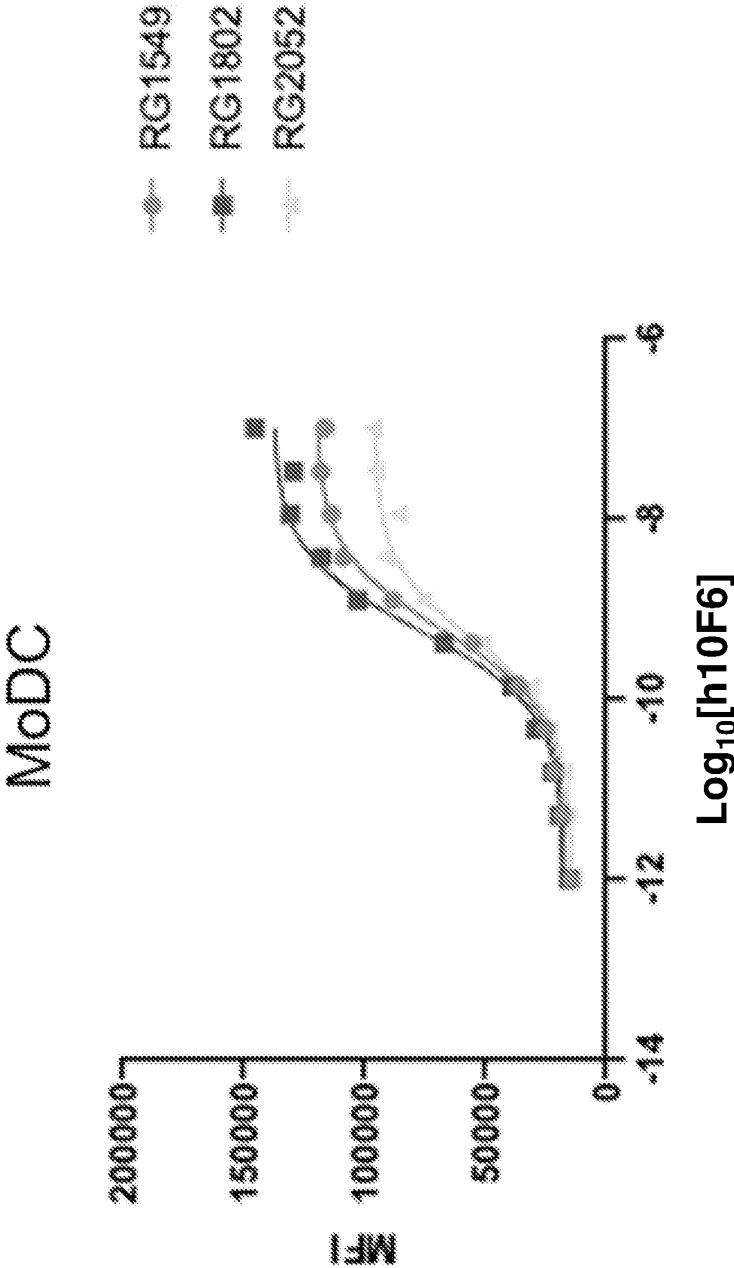


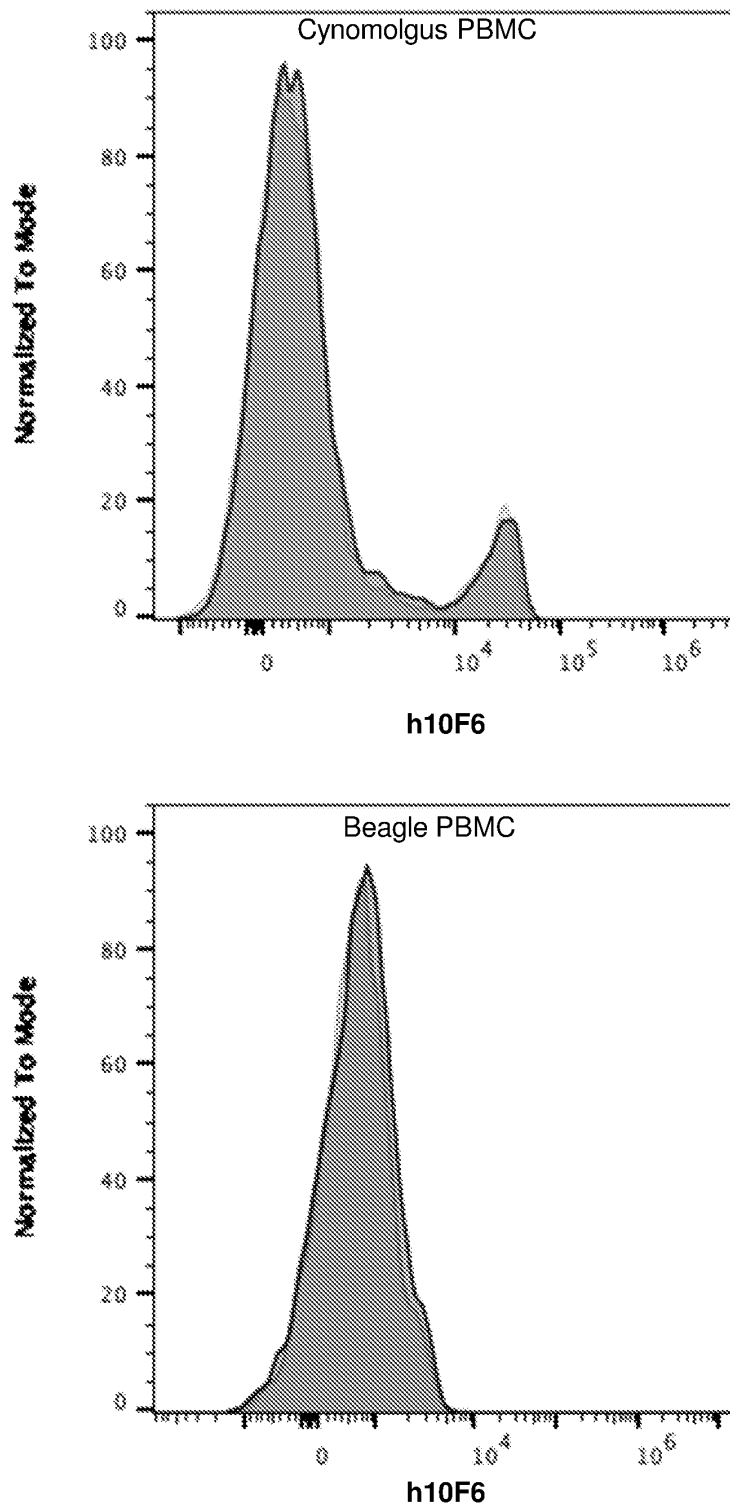
FIG. 15

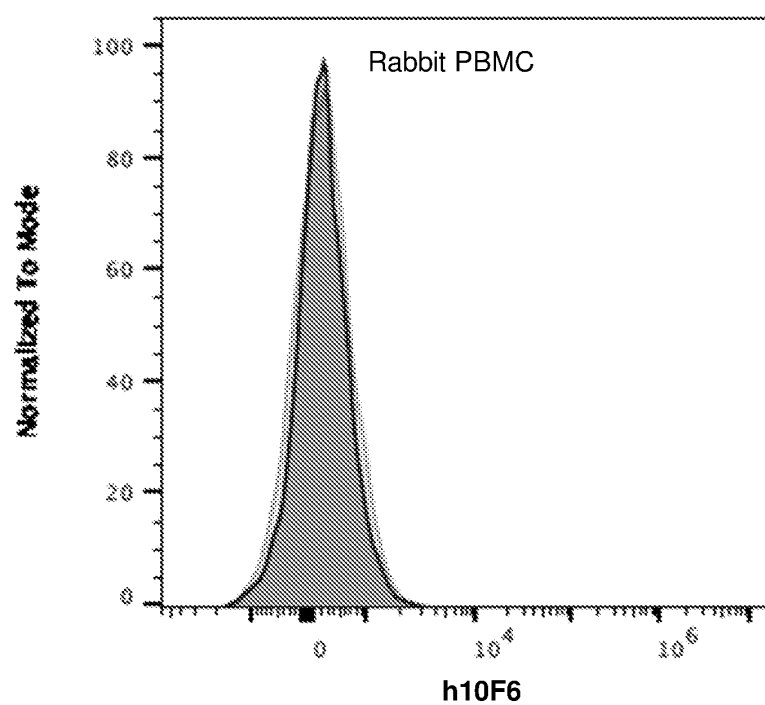
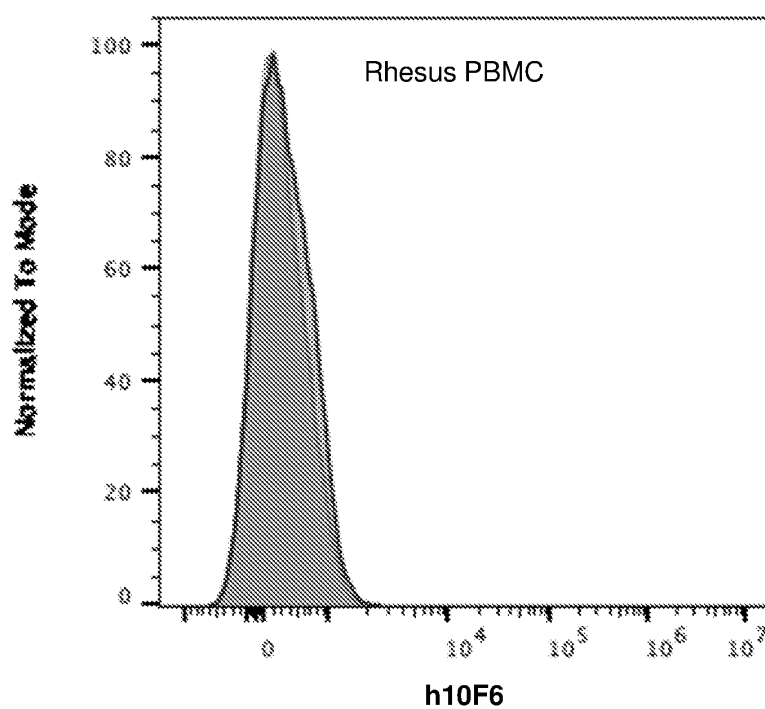
FIG. 15

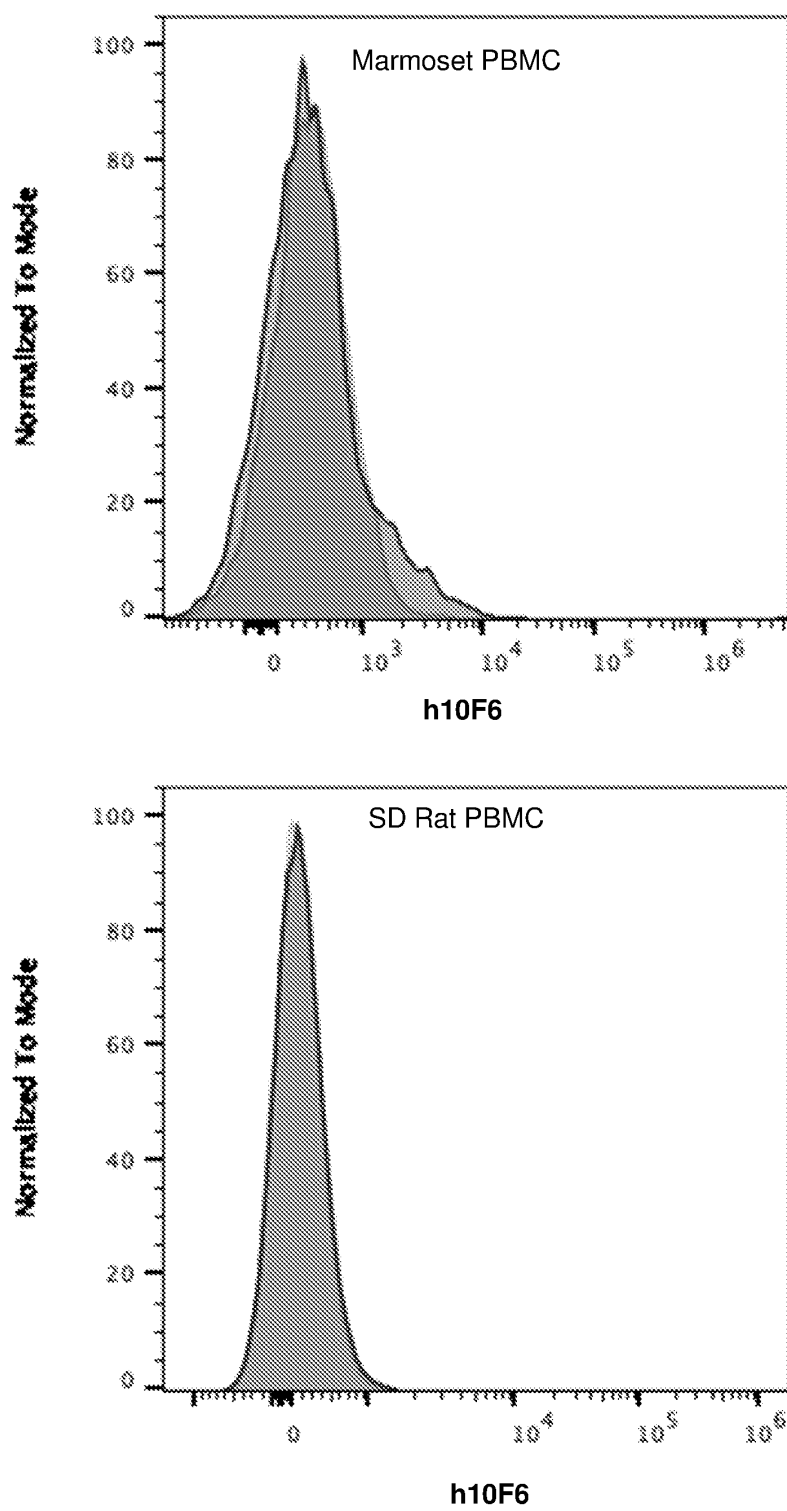
FIG. 15

FIG. 16

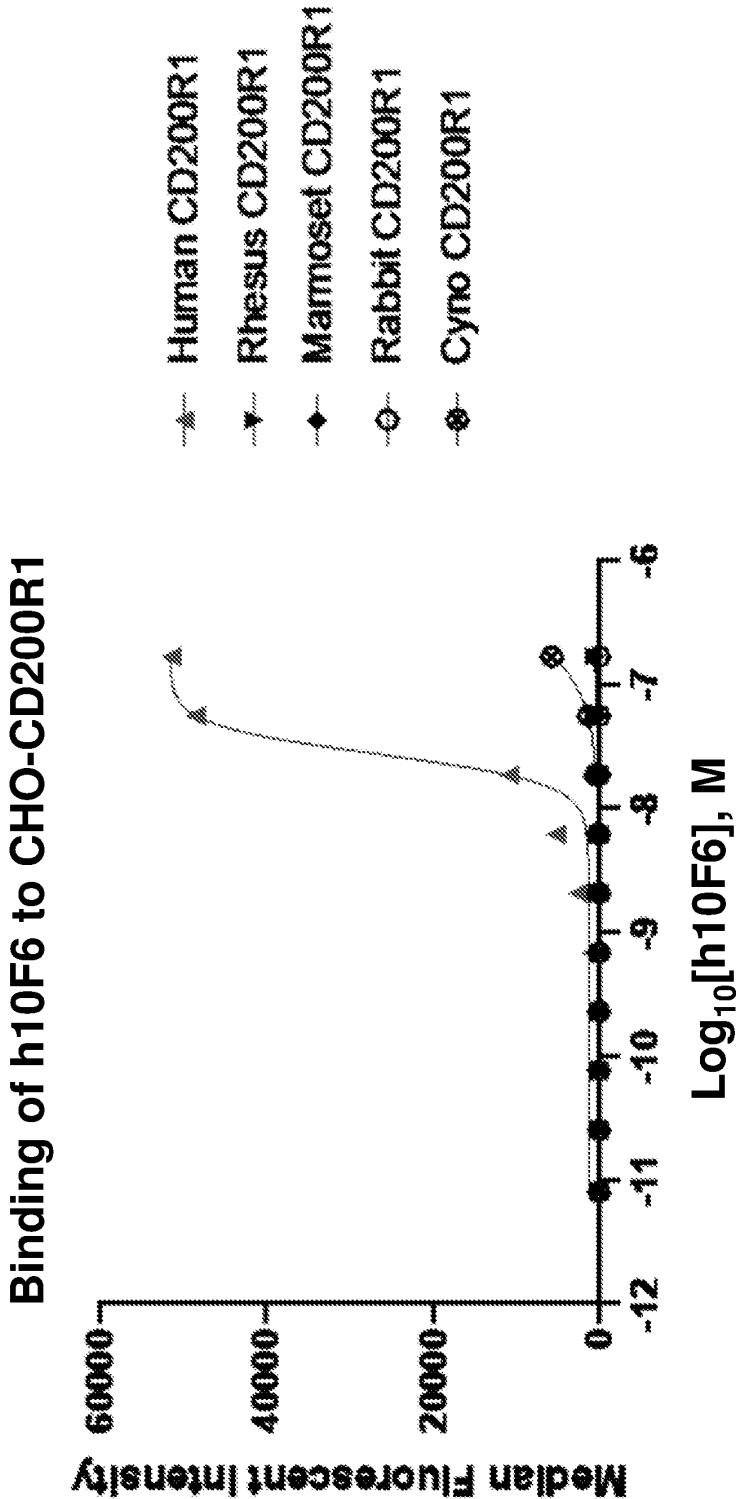


FIG. 17

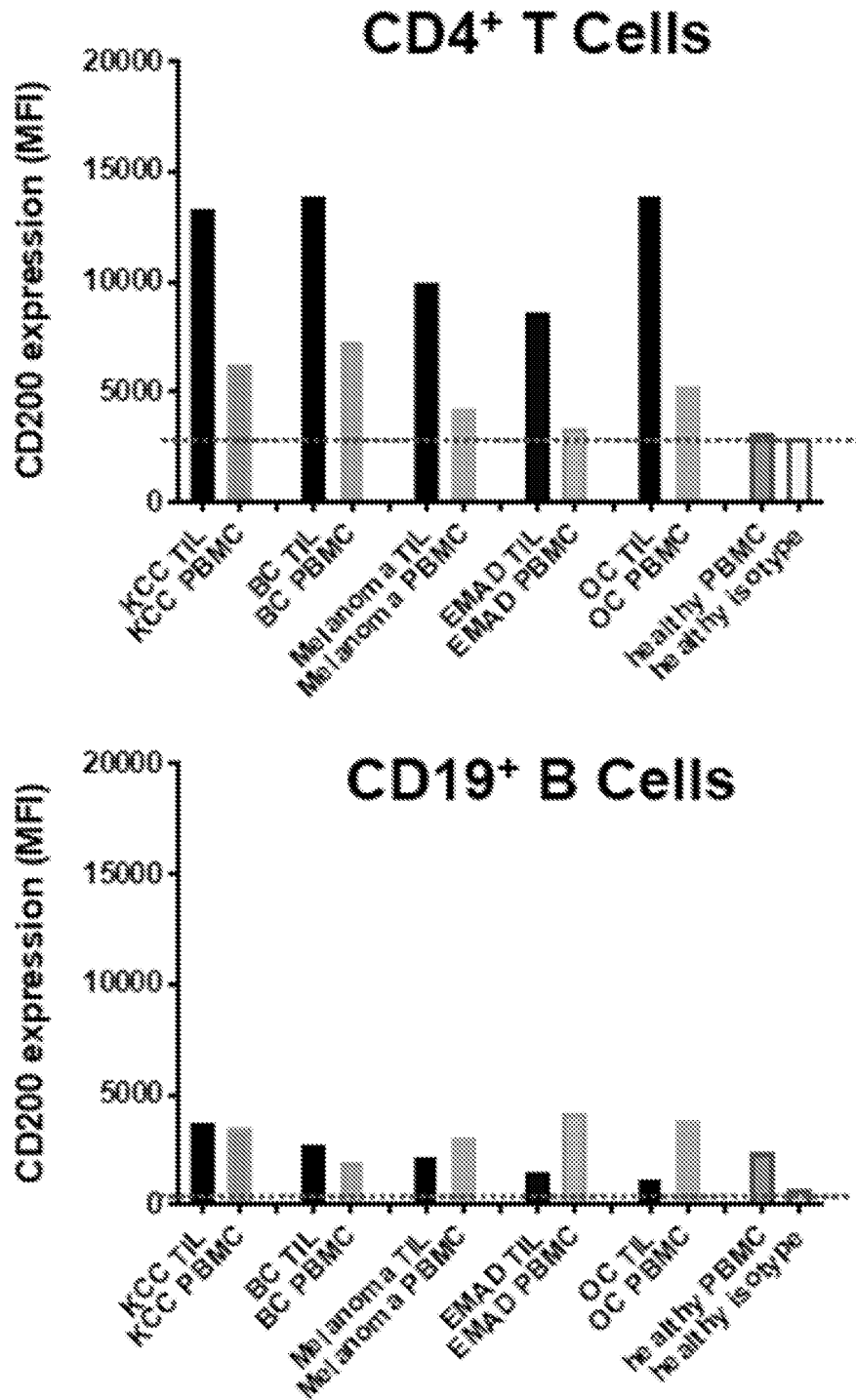


FIG. 17

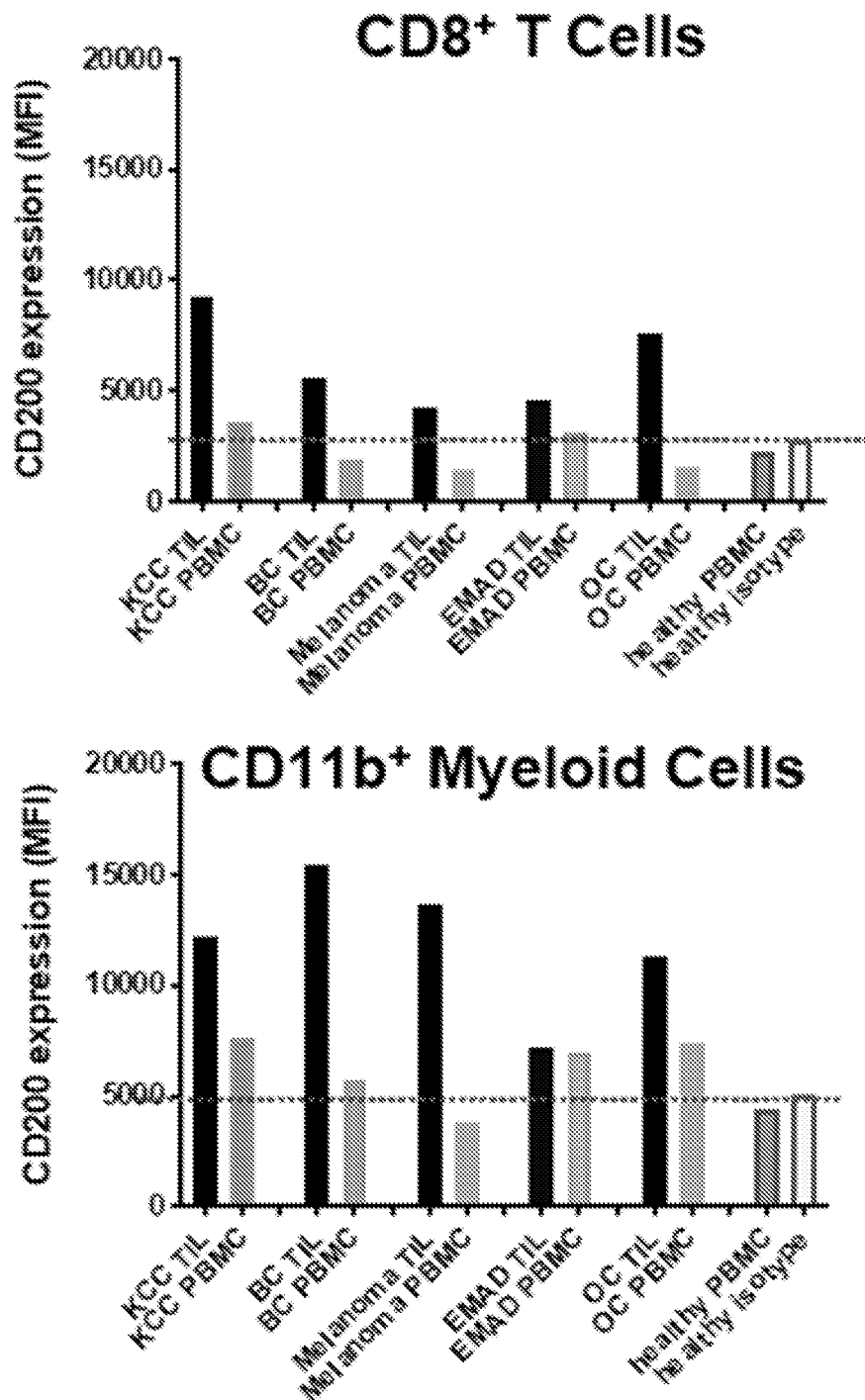


FIG. 18

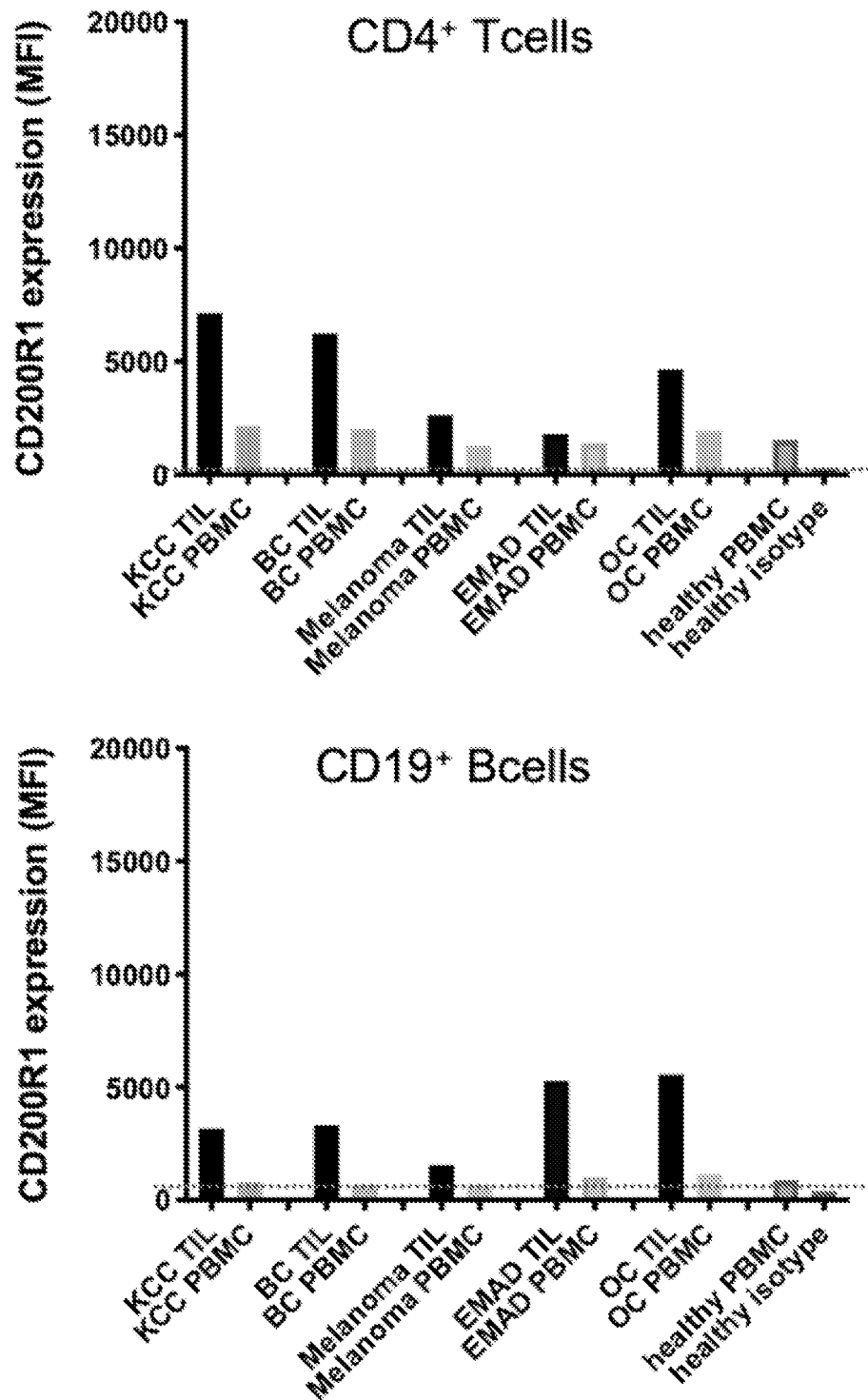


FIG. 18

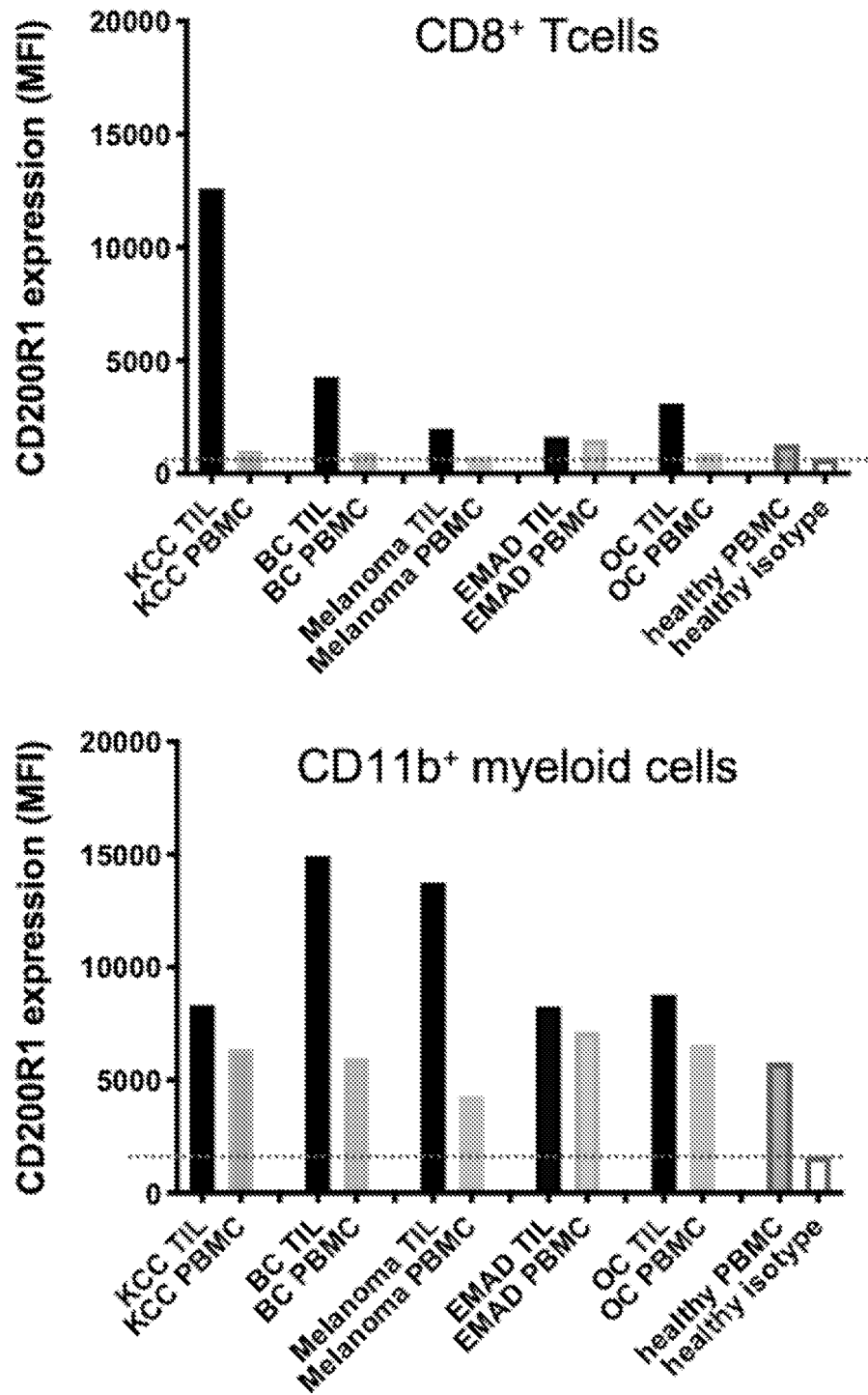


FIG. 19A

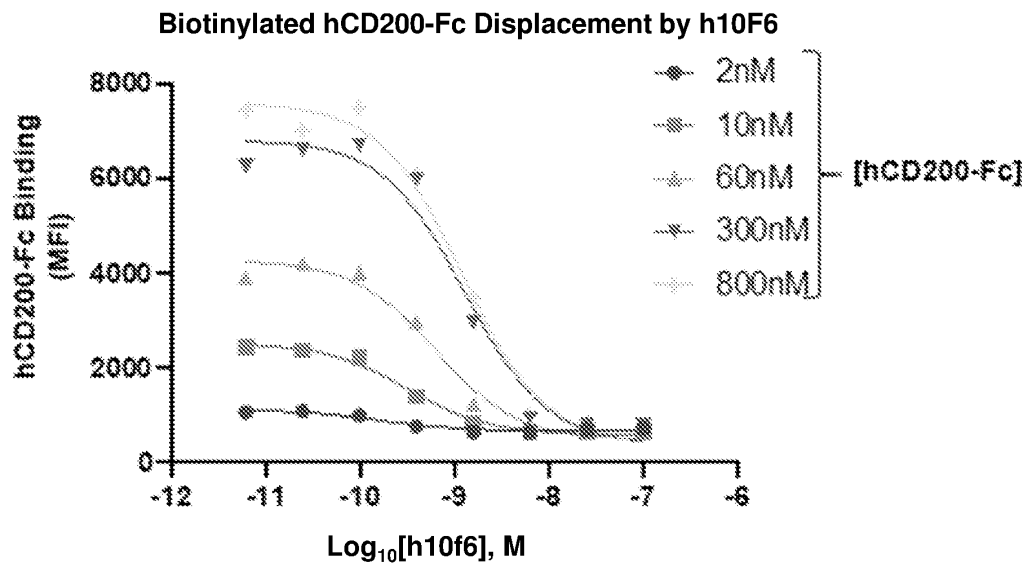


FIG. 19B

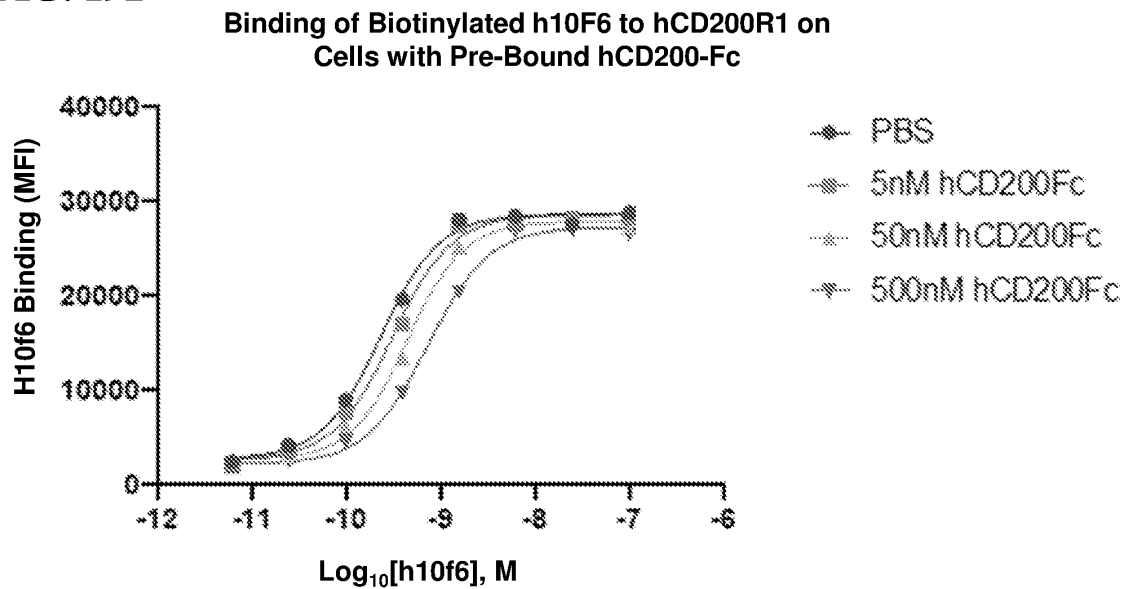


FIG. 20

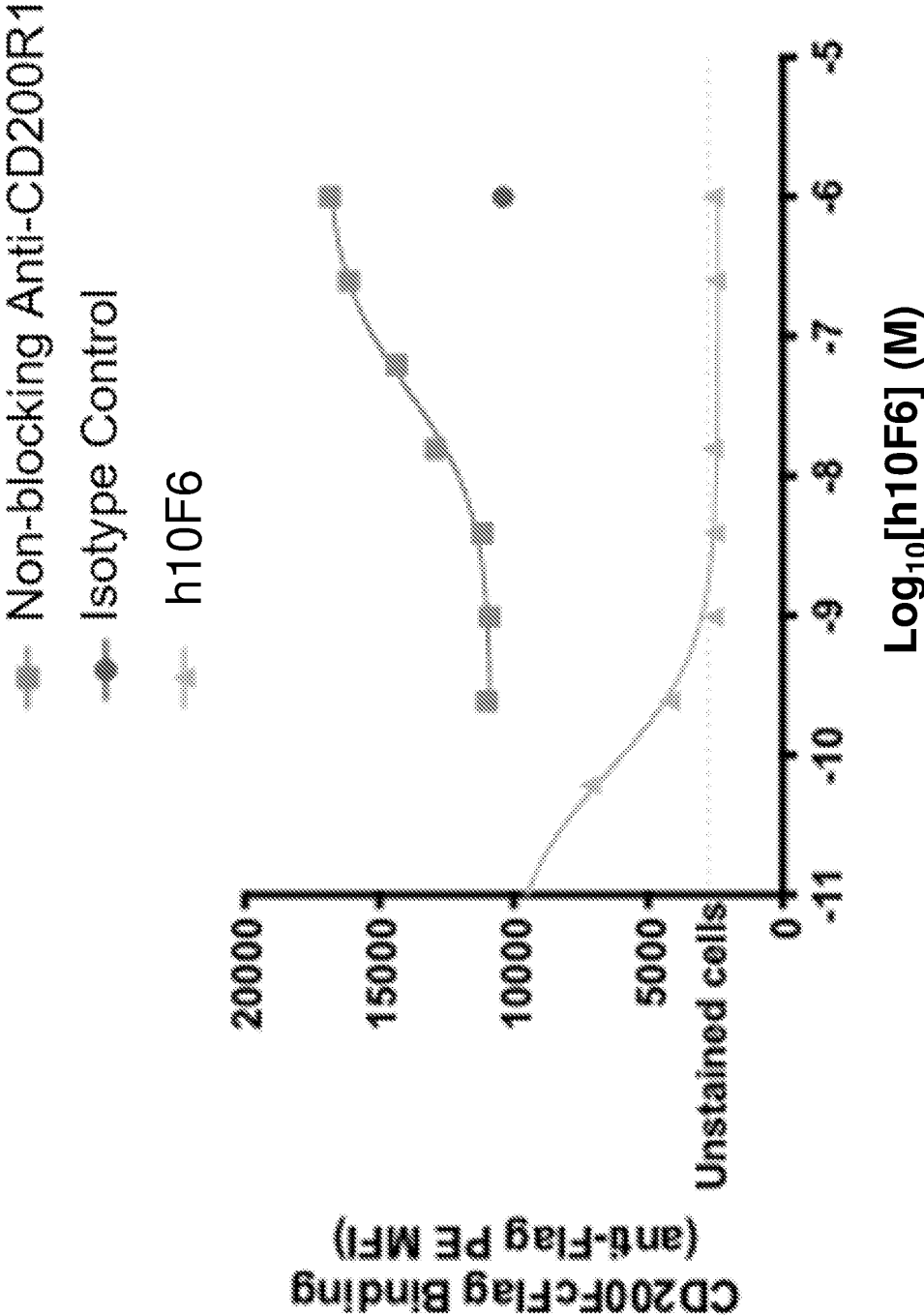


FIG. 21

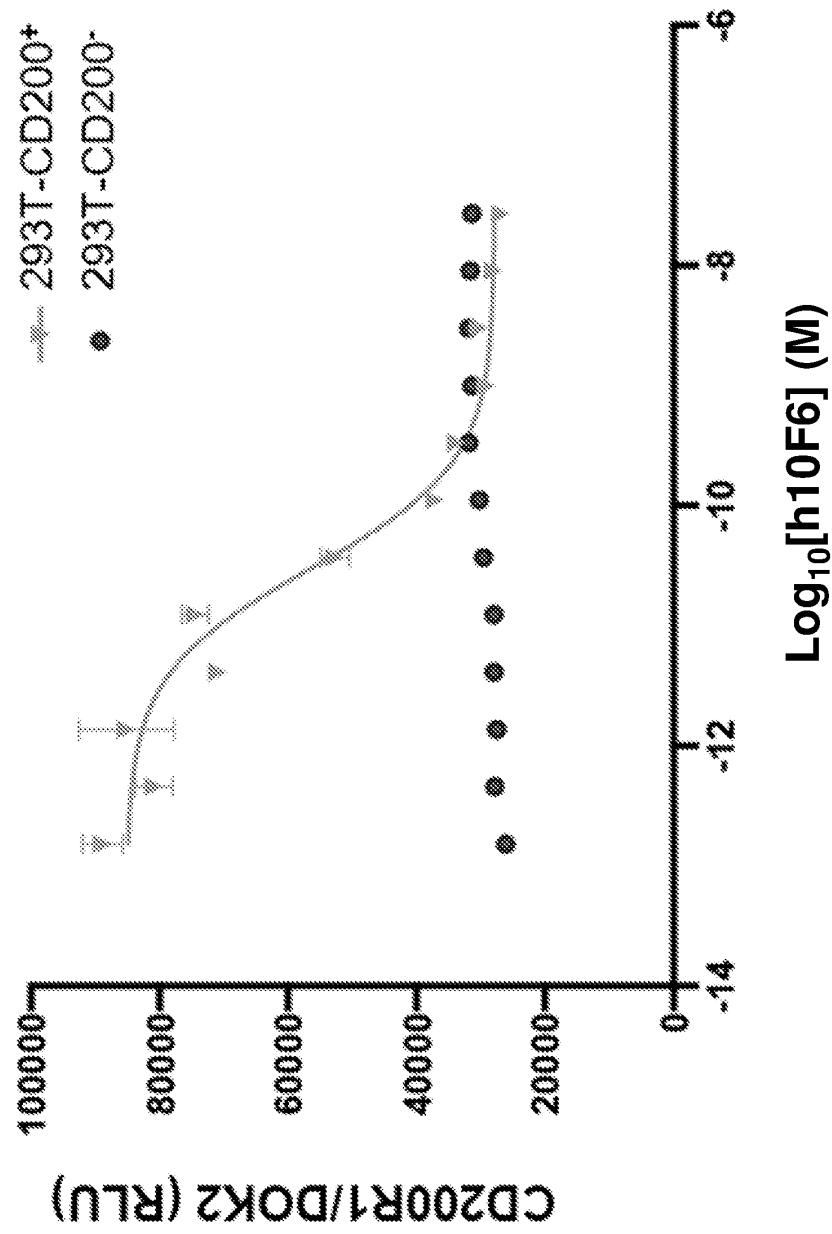


FIG. 22A

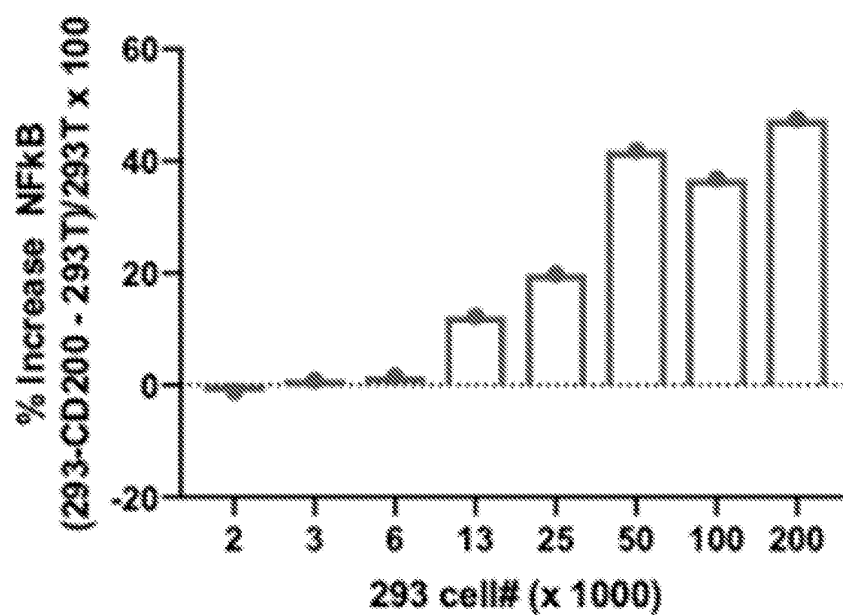


FIG. 22B

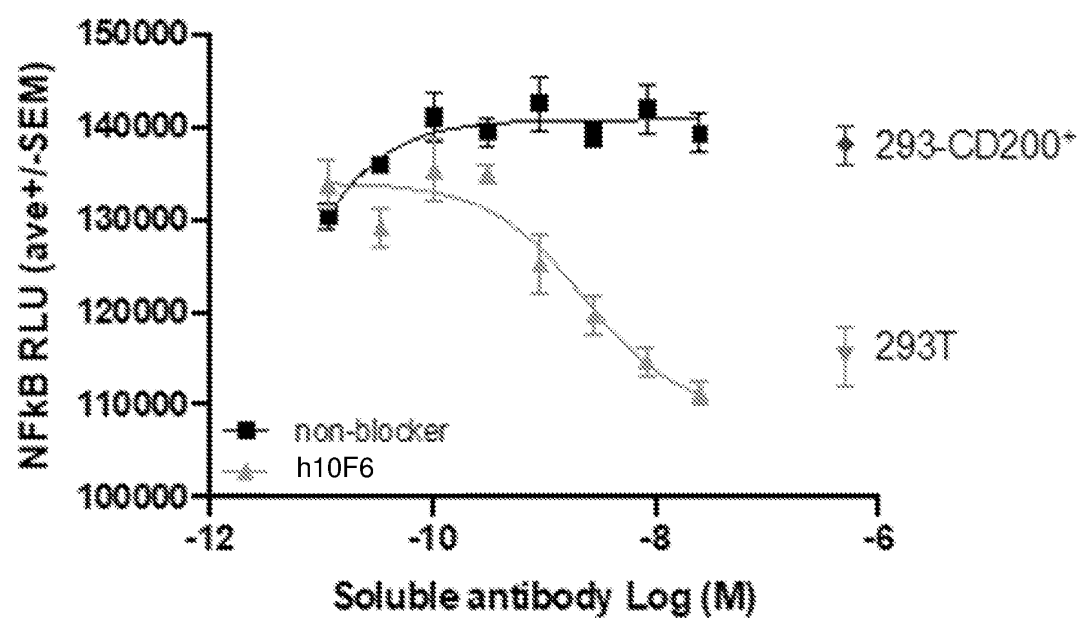


FIG. 23A

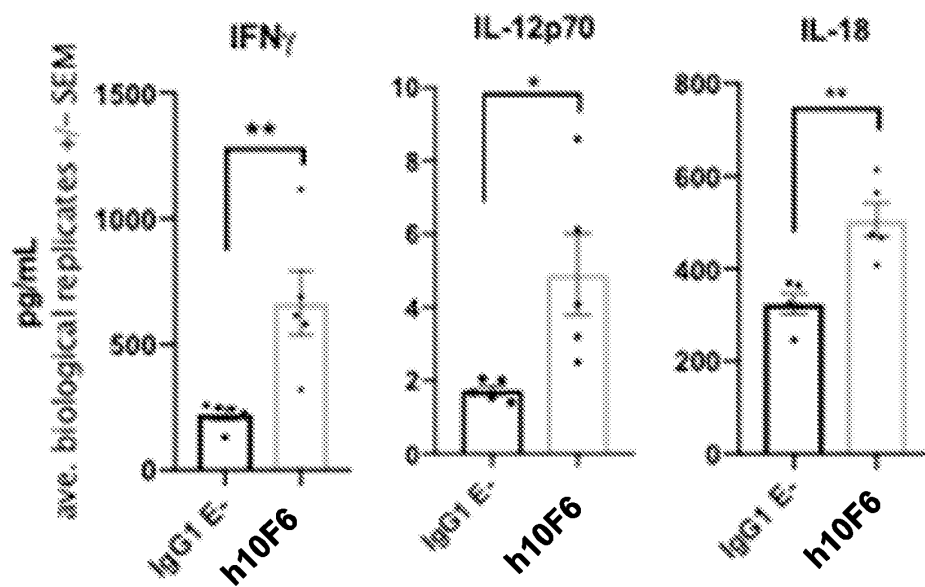


FIG. 23B

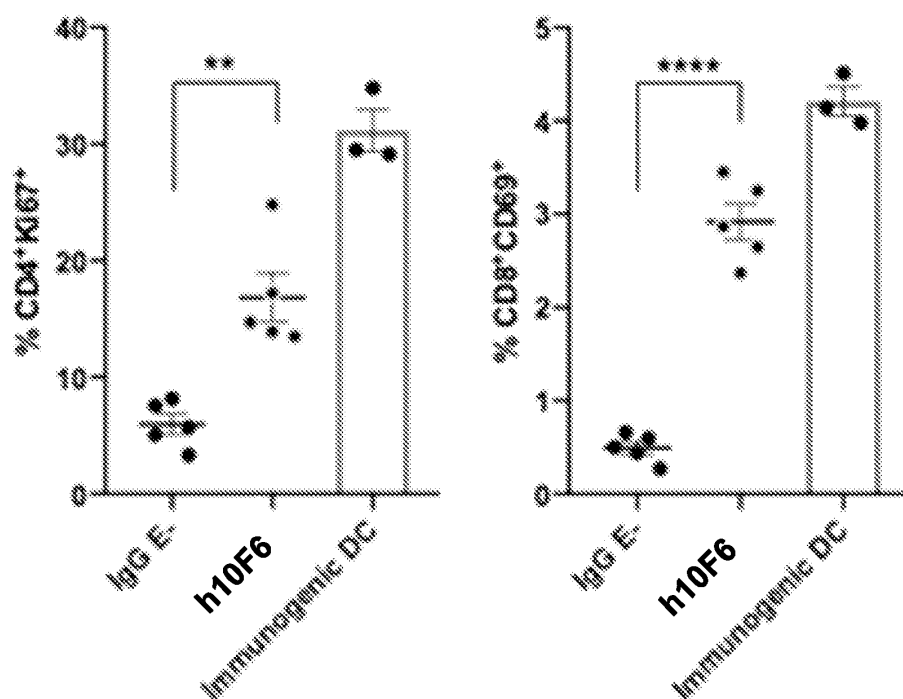


FIG. 23C

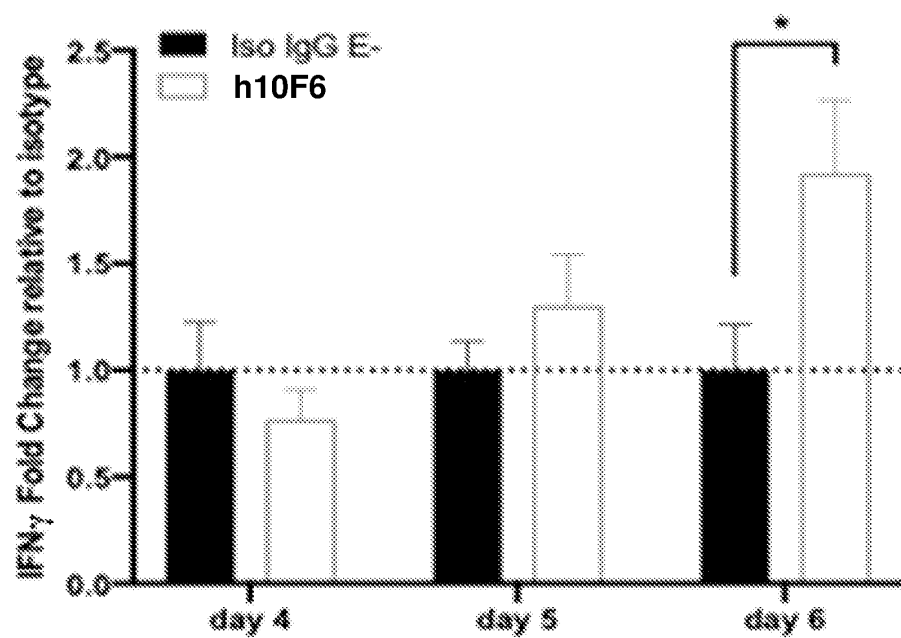


FIG. 24A

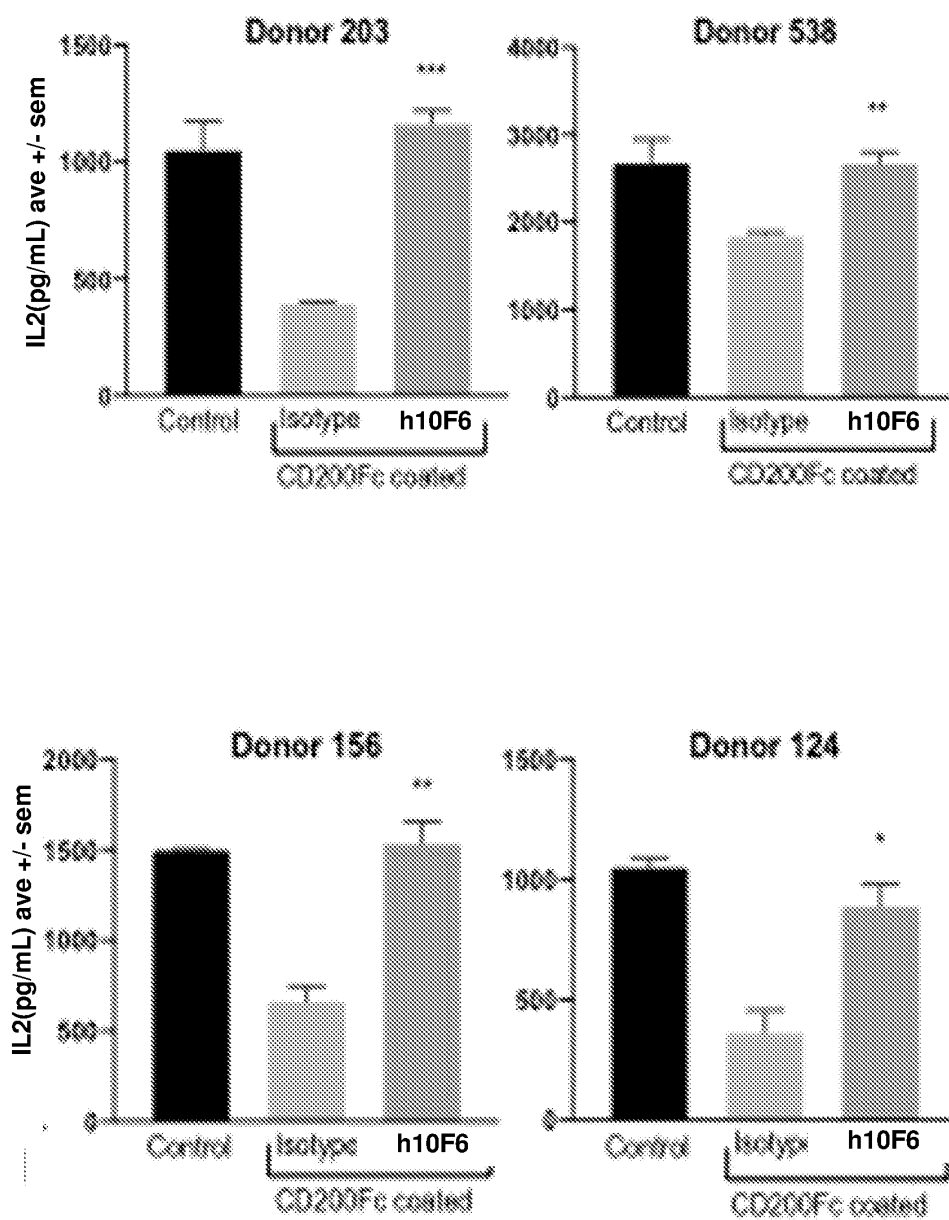


FIG. 24B

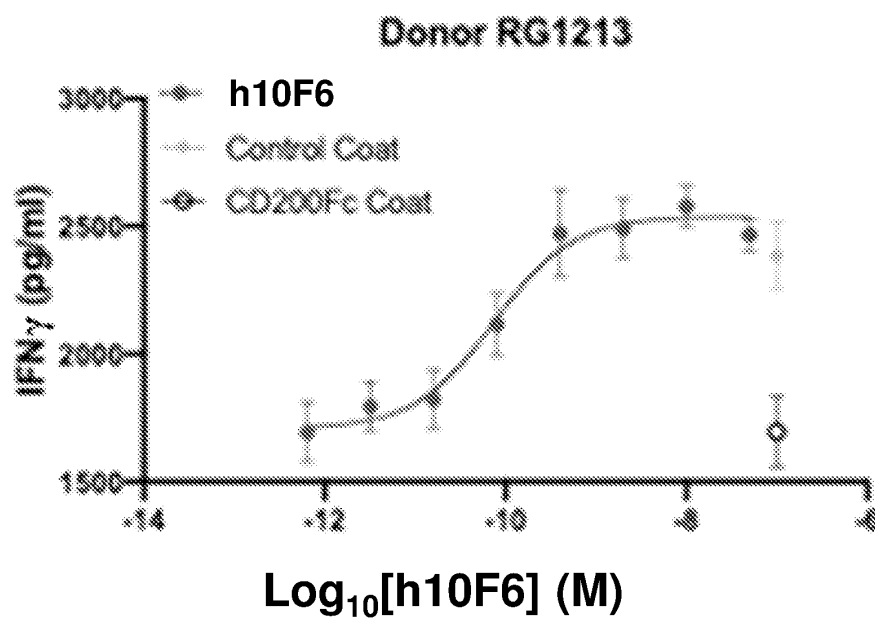


FIG. 25A

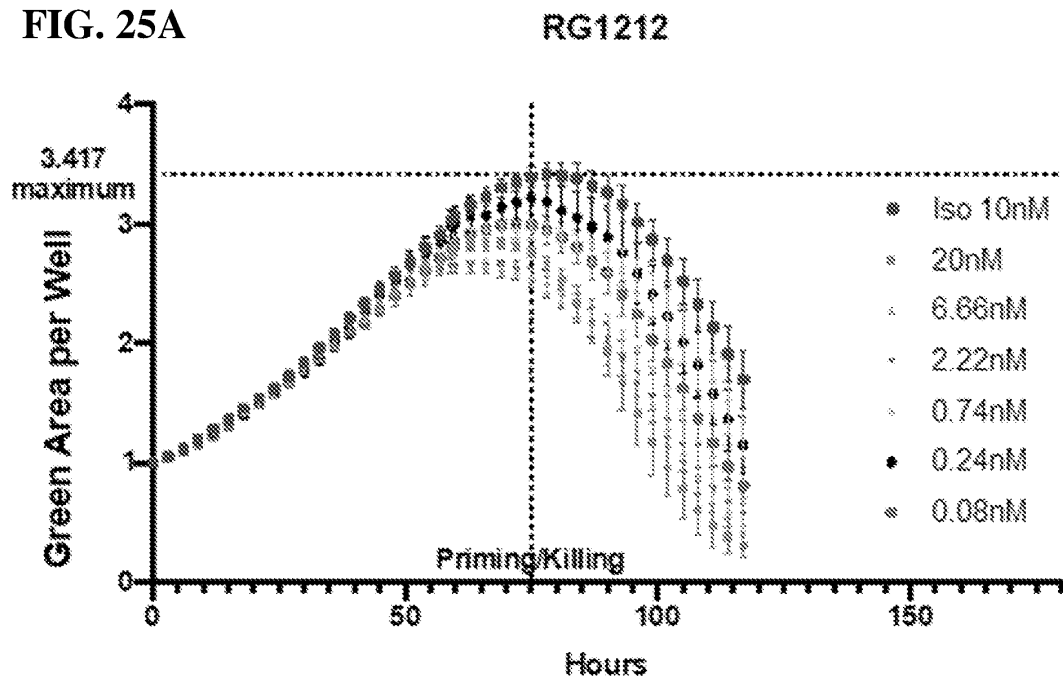


FIG. 25B

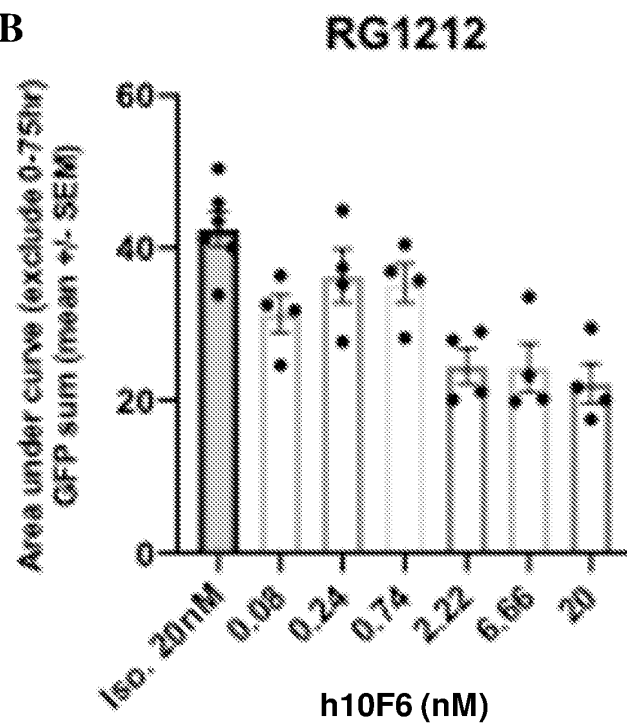


FIG. 26A

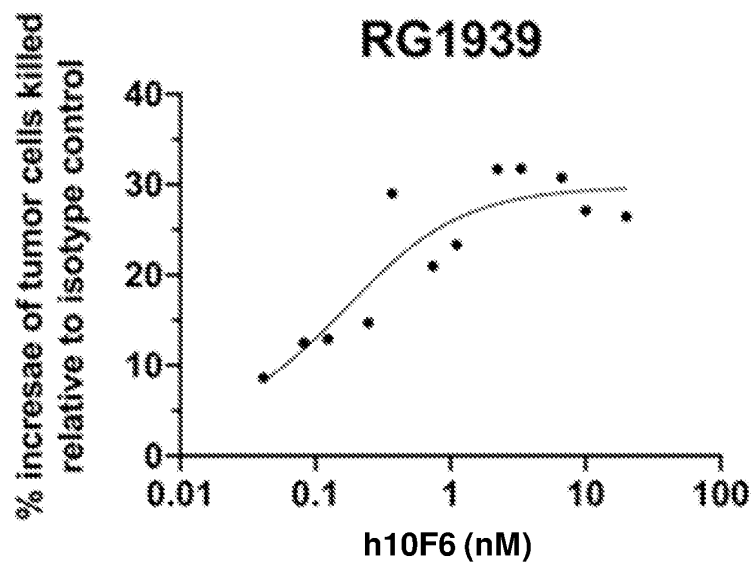


FIG. 26B

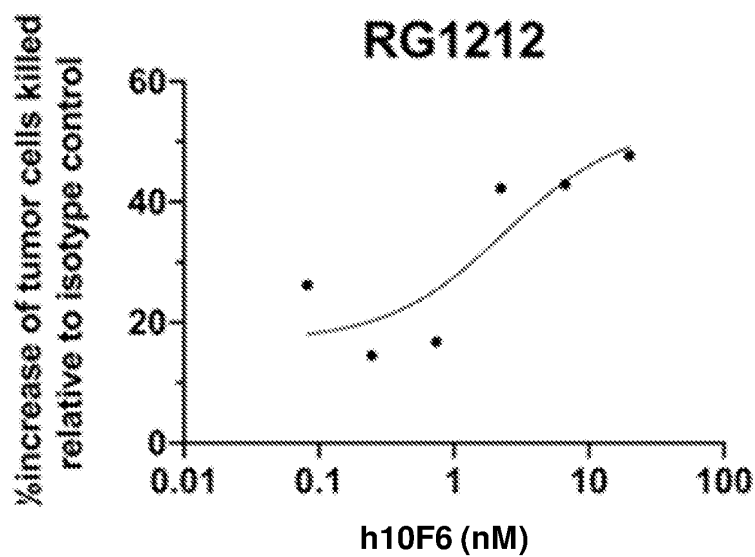


FIG. 26C

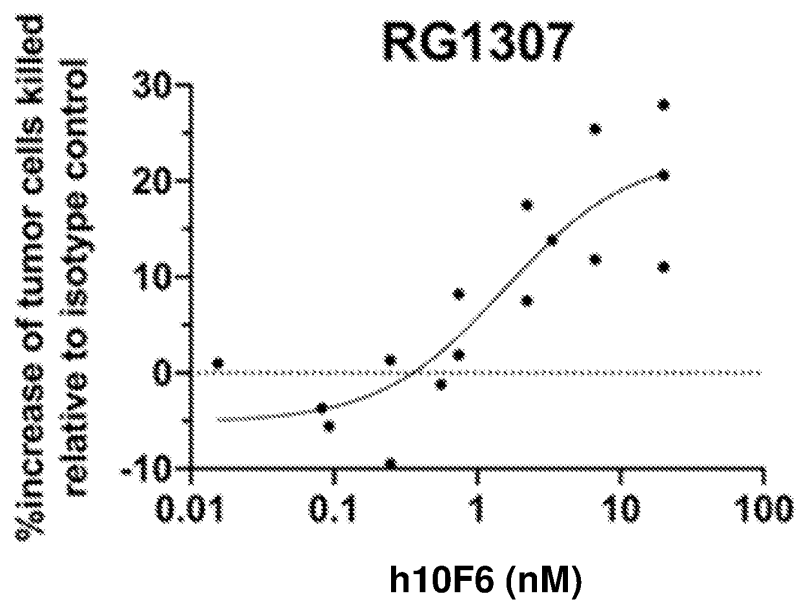


FIG. 26D

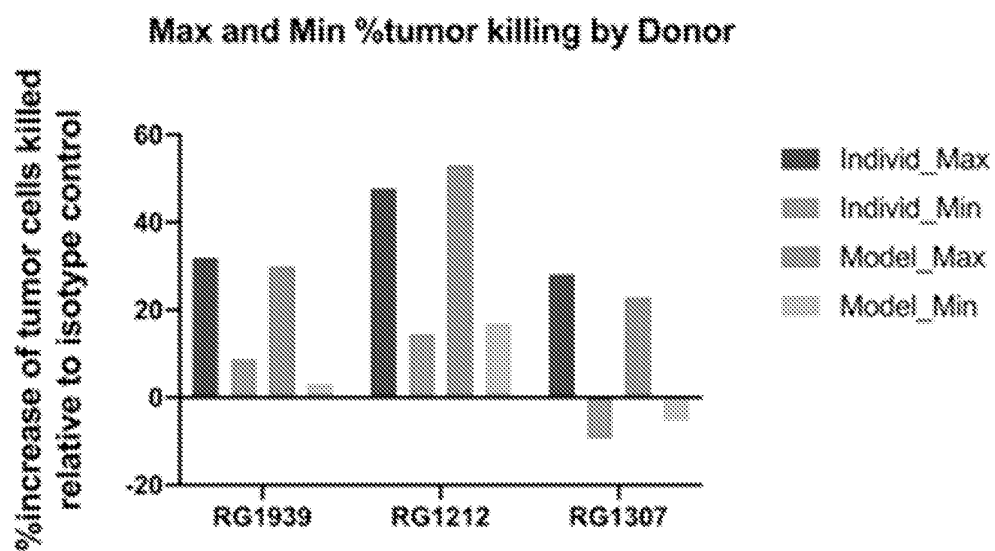


FIG. 27

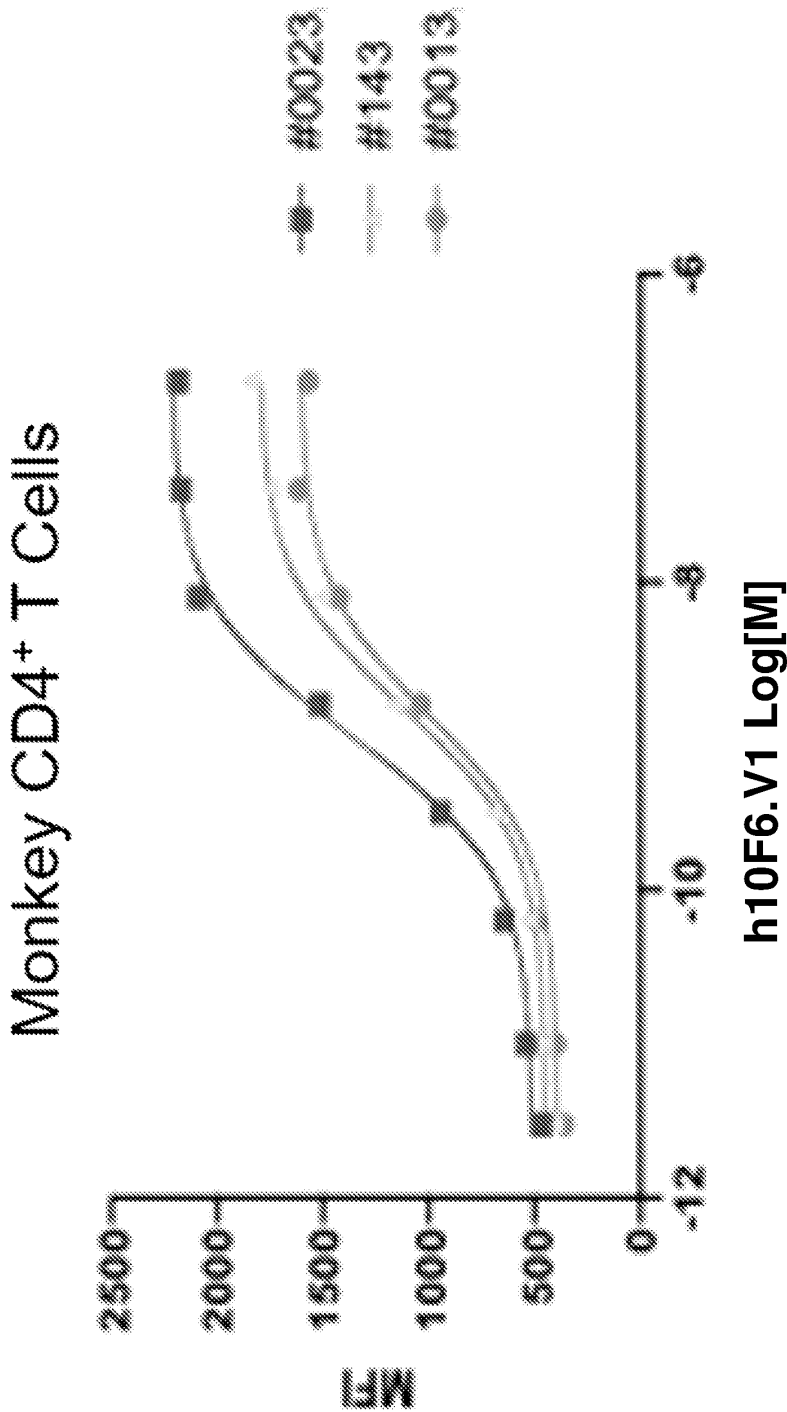
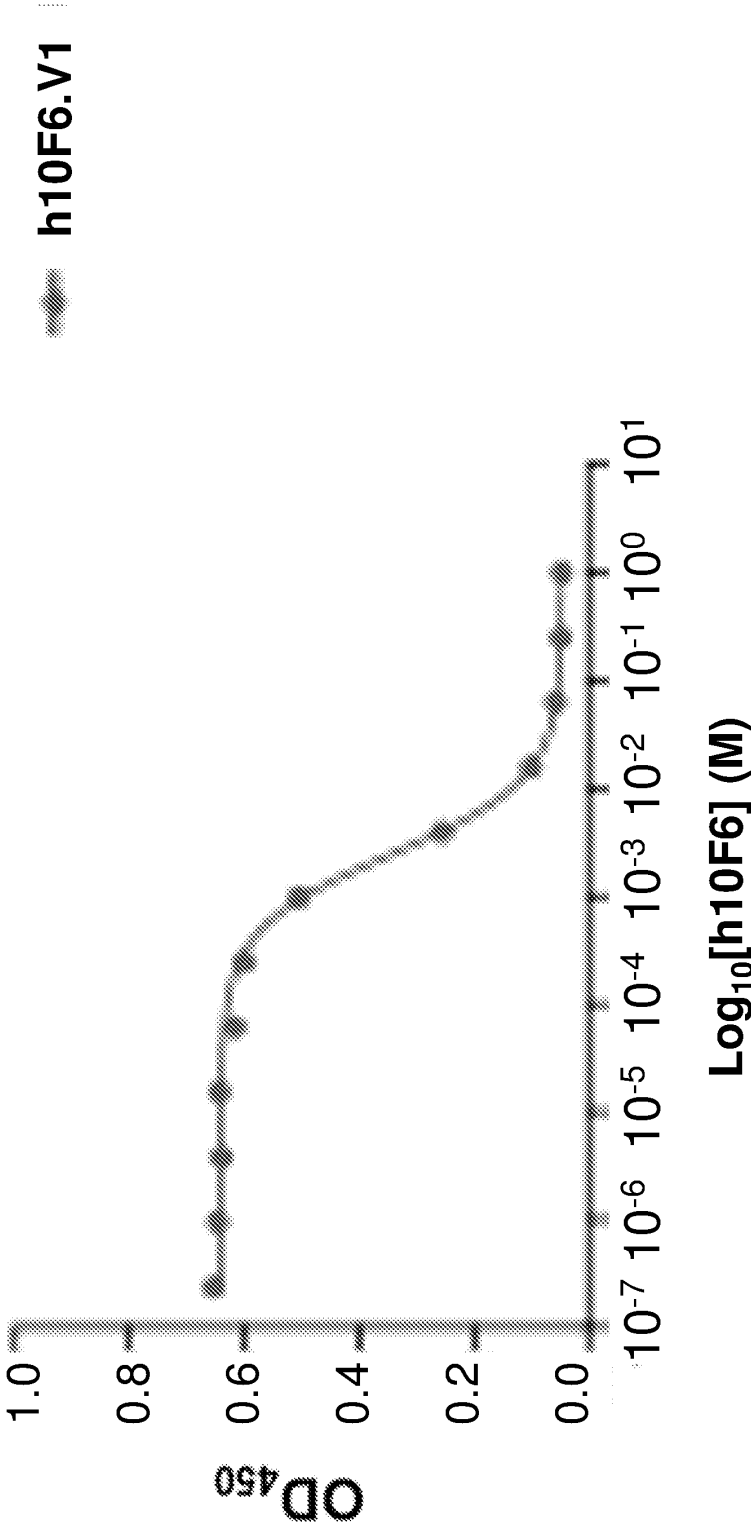


FIG. 28

Blocking ELISA (MfCD200:MfCD200R1)



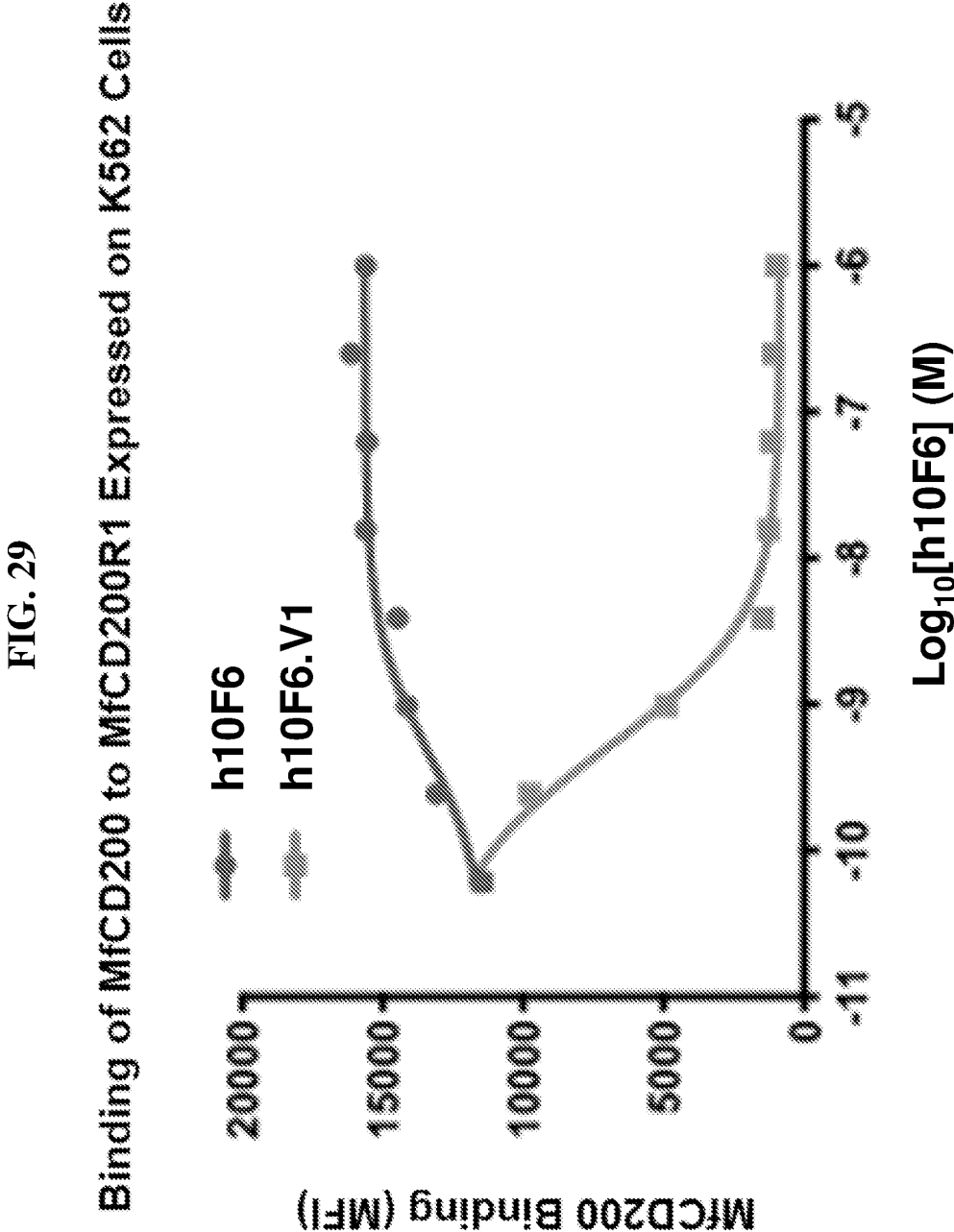


FIG. 30

