

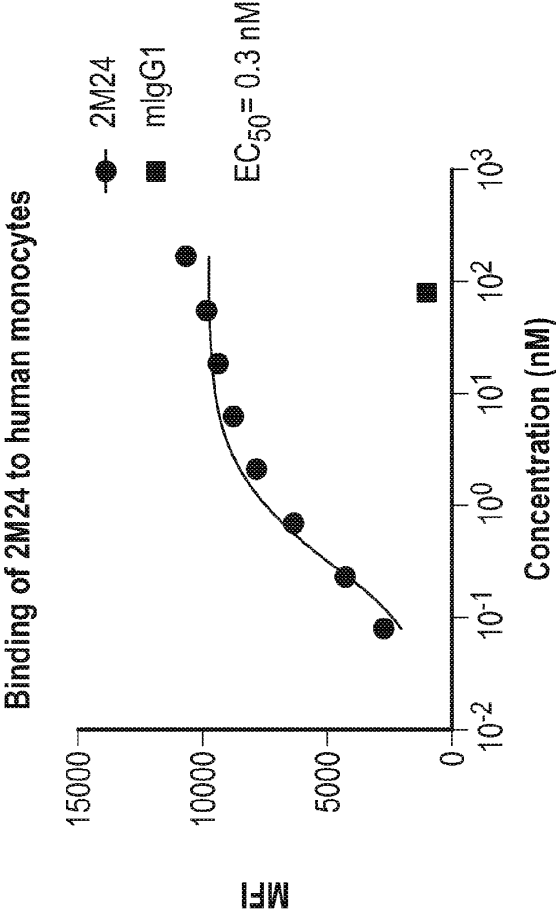


FIG. 1A

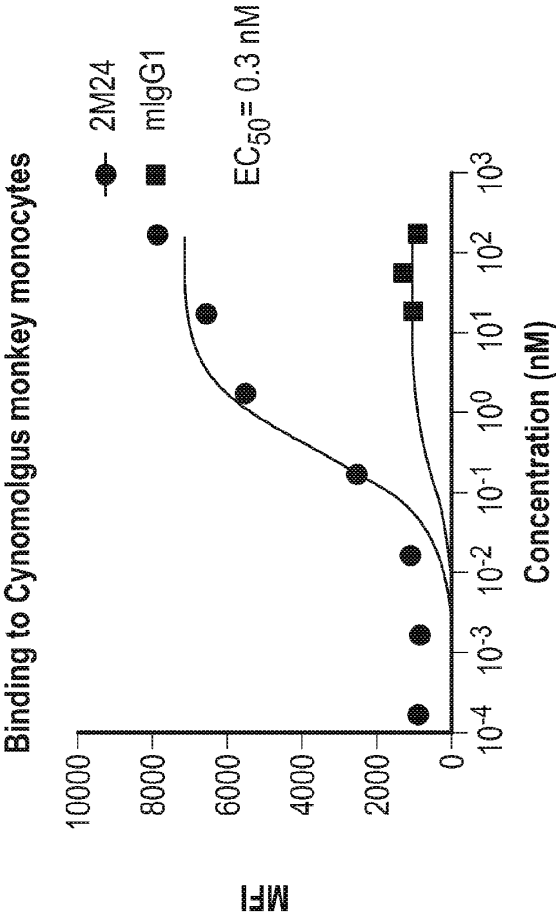


FIG. 1B

Declin-1 ab Clone	HEK-Blue hDectin-1a cells EC50 (nM)	HEK-Blue hDectin-1b cells EC50 (nM)	HEK293F hDectin- 1a FL EC50 (nM)	Human monocytes EC50 (nM)	Cynomolgus monkey monocytes EC50 (nM)
2M24	0.4	1	1.1	0.3	0.3
2M08	2.6	>190	1.9	>190	N/A
2M12	16.9	>142	2.8	>142	N/A
2M38	4.5	>96	6.1	>96	N/A
2M49	>169	>169	>169	>169	N/A
15E2	1.2	9.3	1.4	0.6	14
259931	0.8	0.9	1.2	0.3	16.5
GE2	1.9	12	2.4	1.4	N/A

FIG. 1C

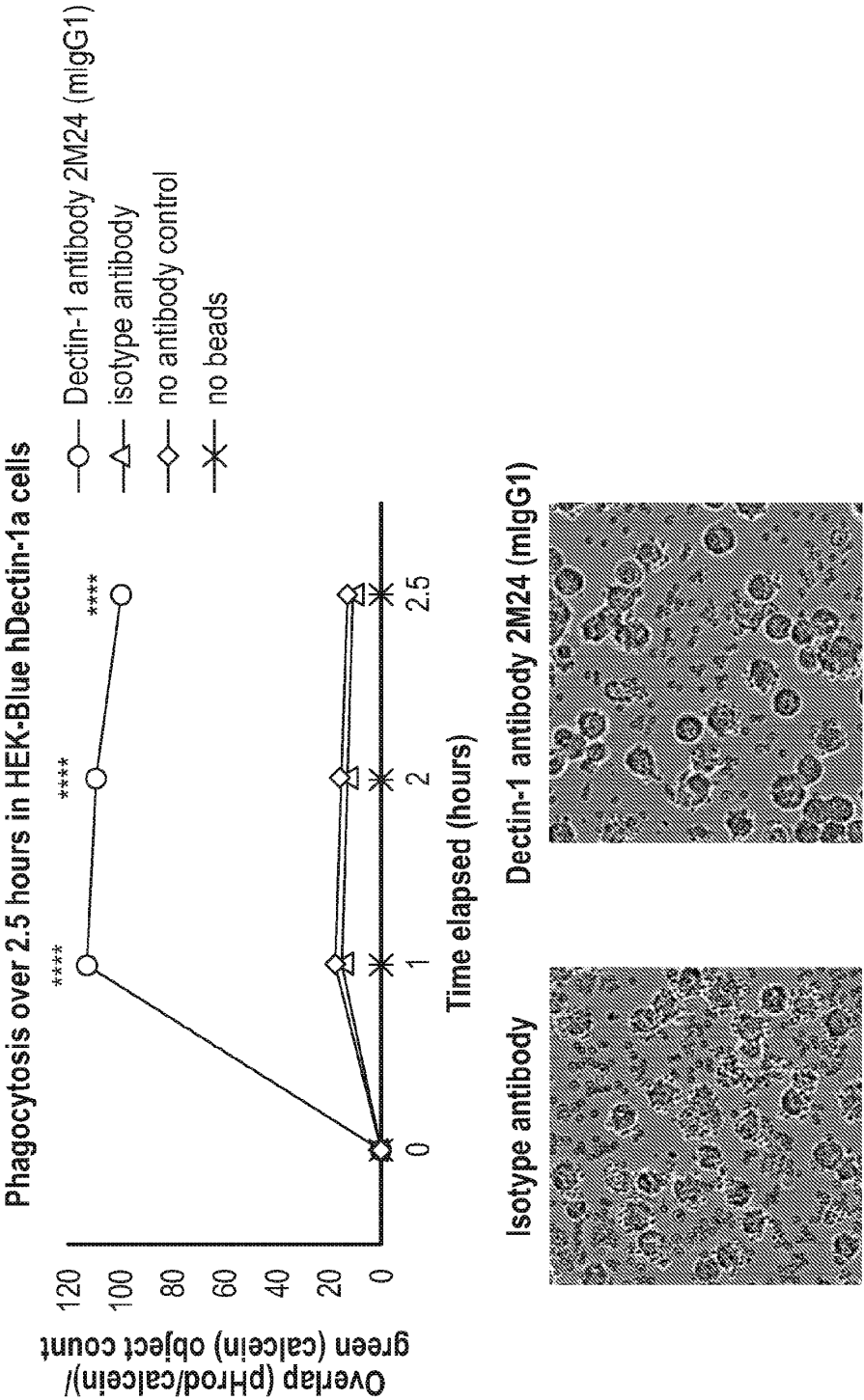


FIG. 2A

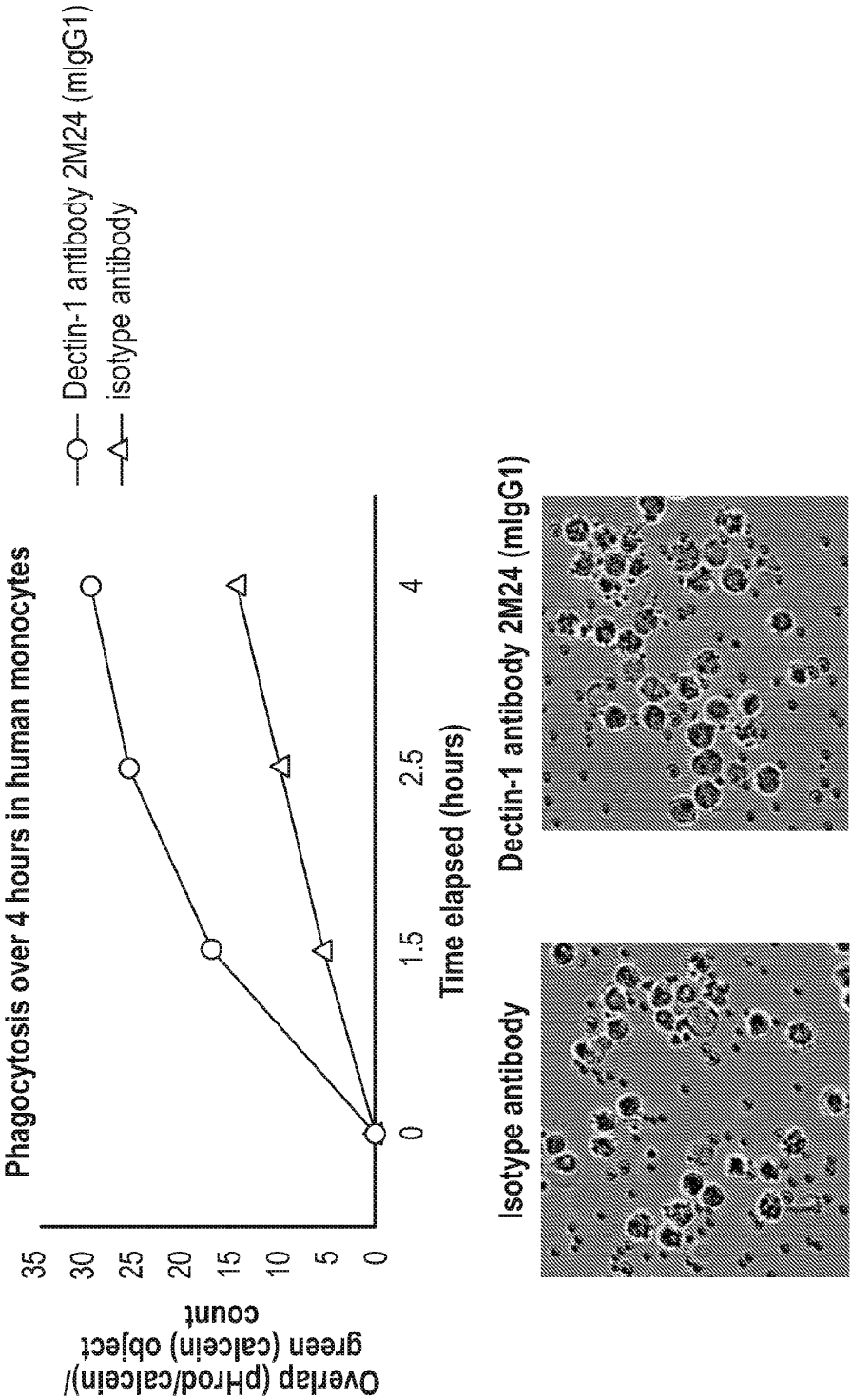


FIG. 2B

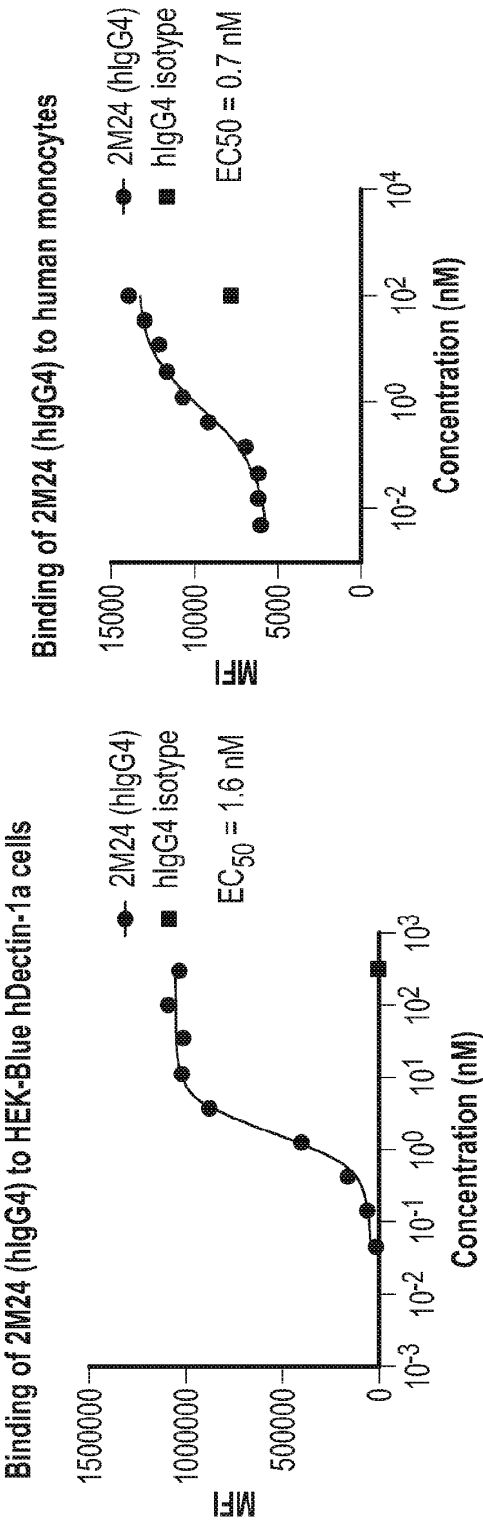


FIG.3A

FIG.3B

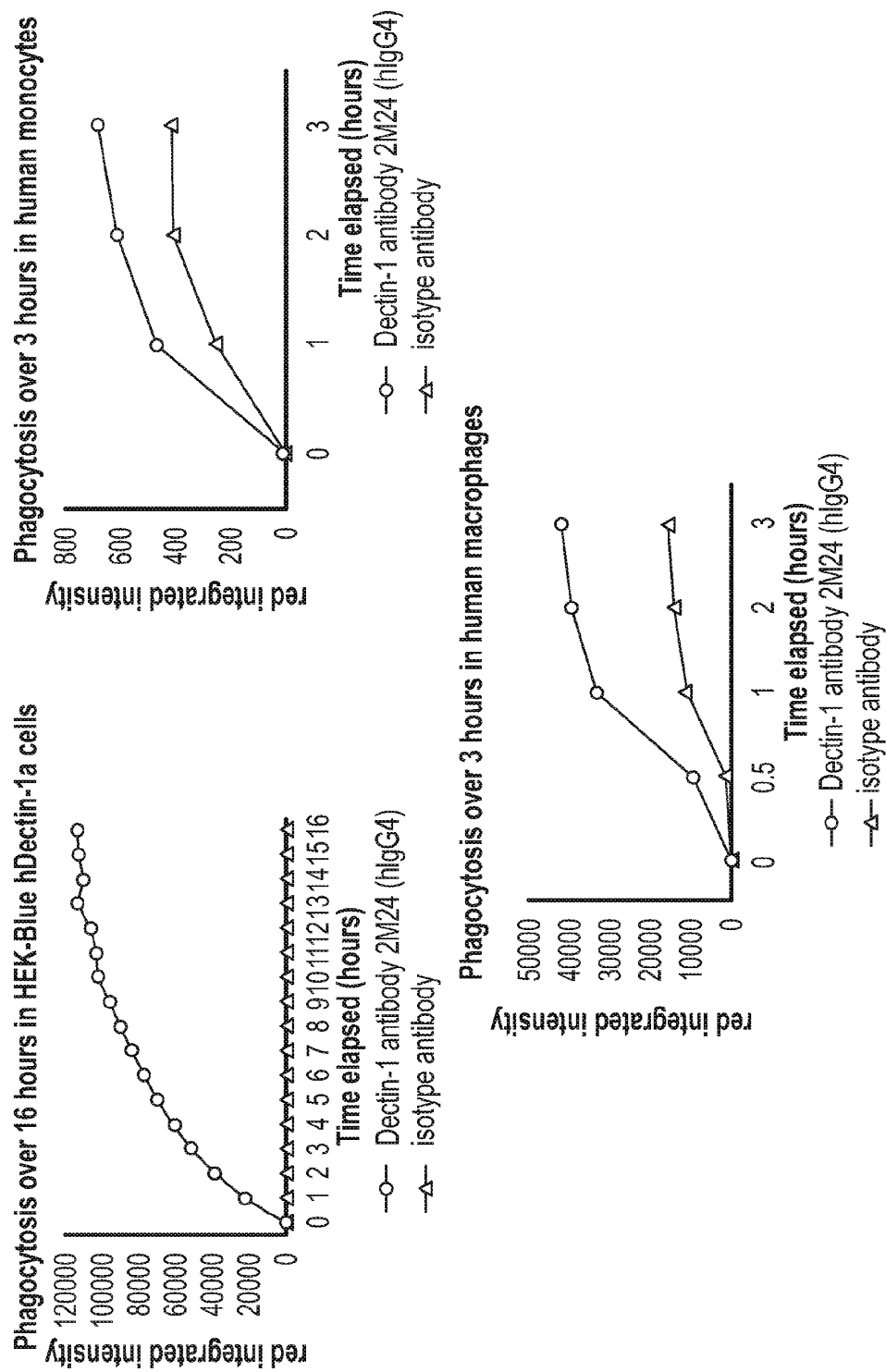


FIG. 4

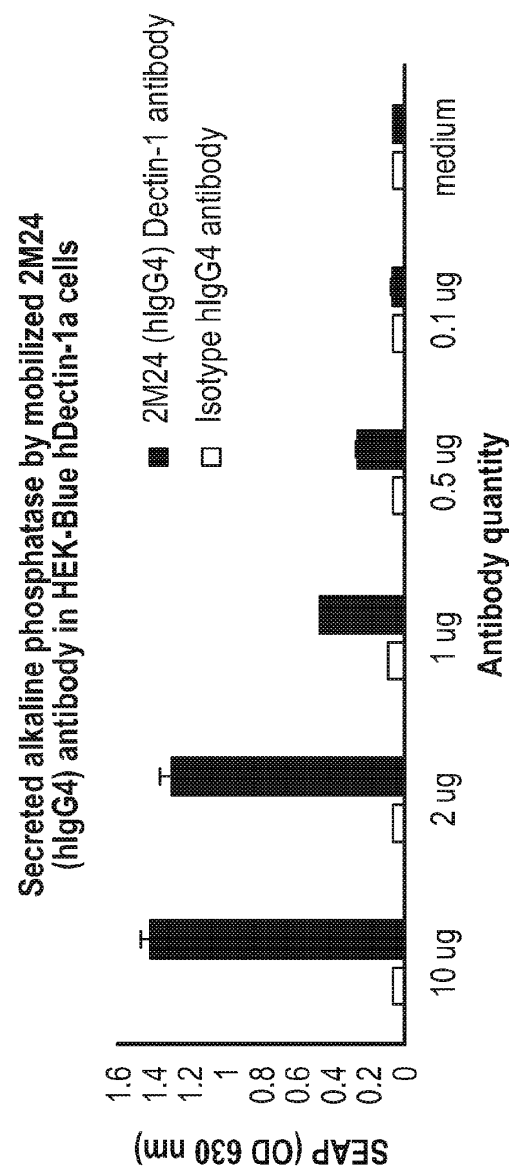


FIG. 5A

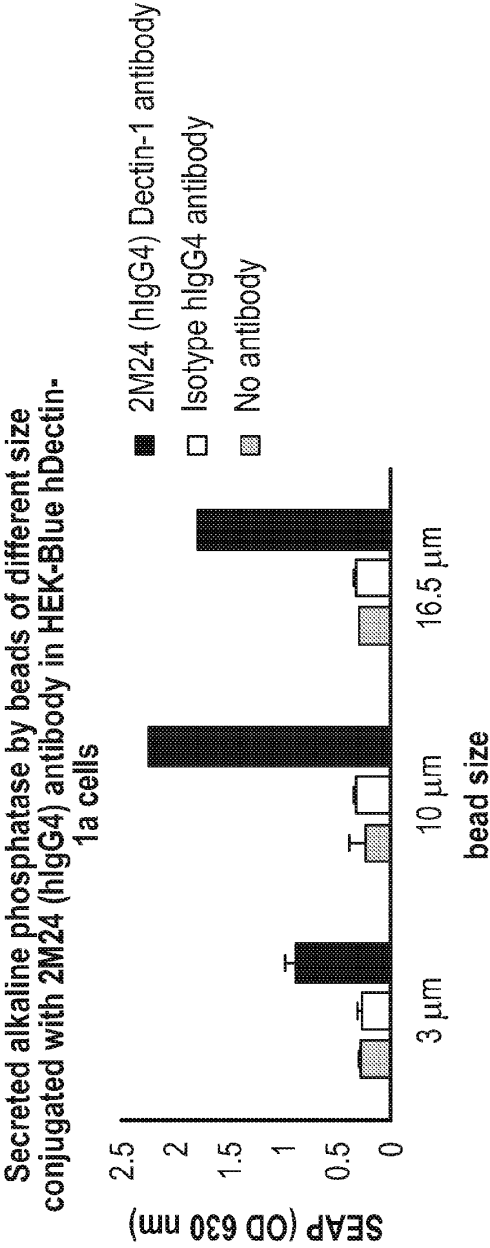


FIG. 5B

Cytokine secretion of Dectin-1 agonist Ab (15E2) in solution in cultured human primary monocytes

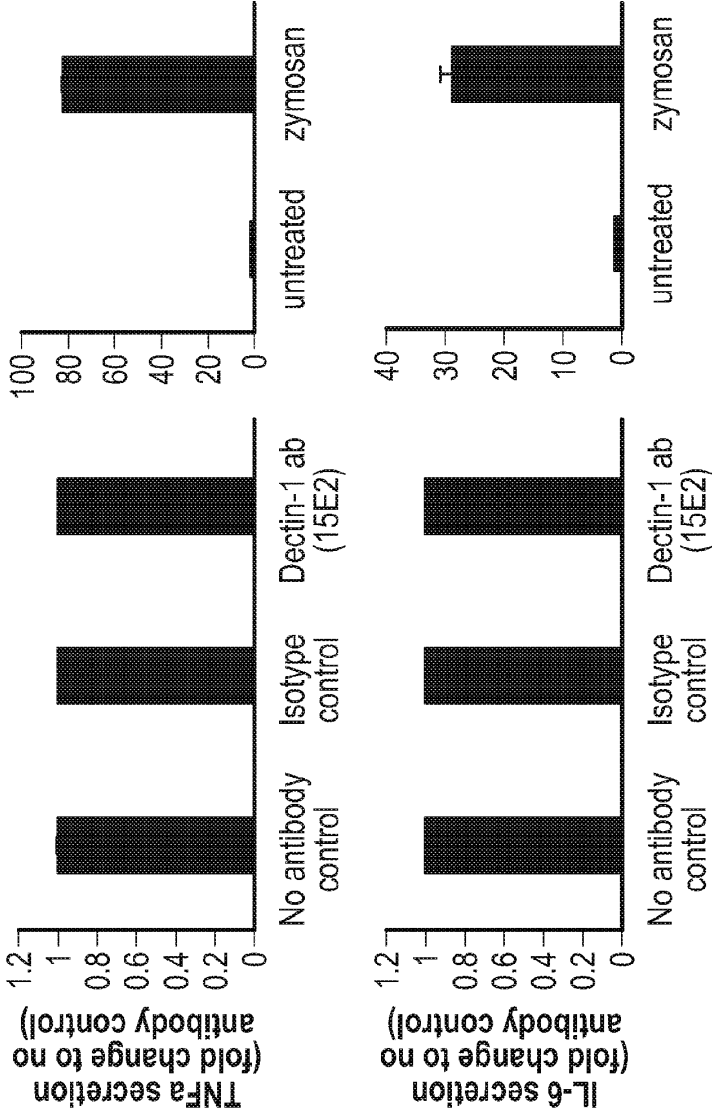


FIG. 6A

Cytokine secretion of Dectin-1 agonist Ab (15E2) in solution in cultured human primary macrophages

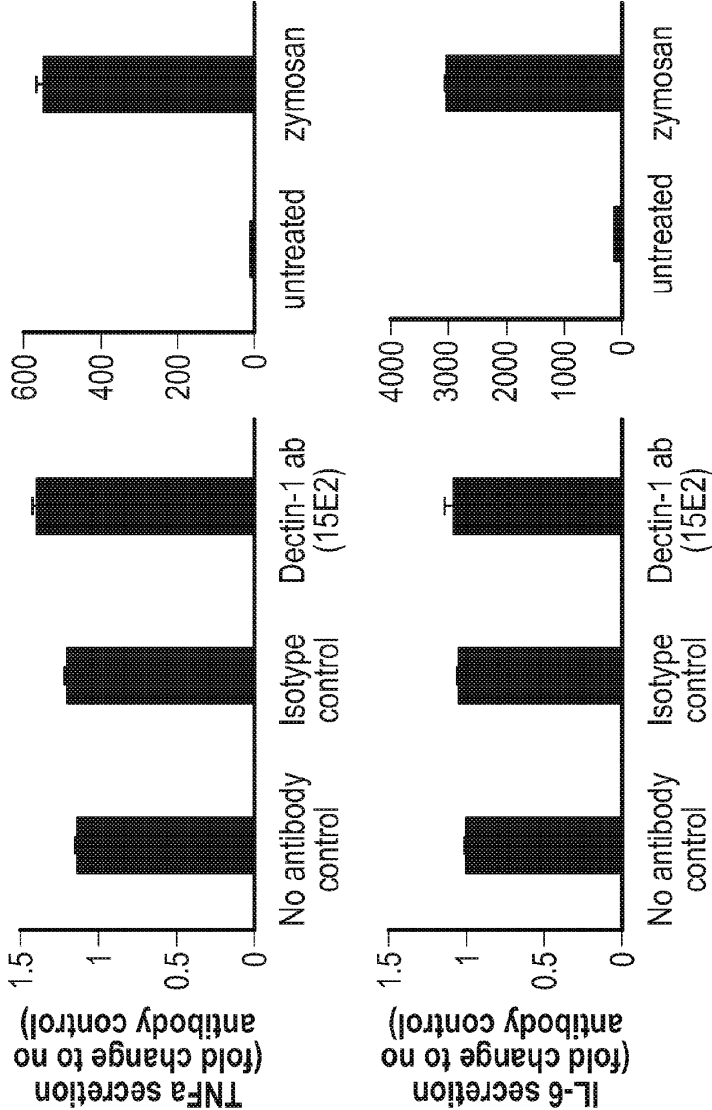


FIG. 6B

Cytokine secretion of immobilized Dectin-1 agonist Ab in cultured human primary monocytes

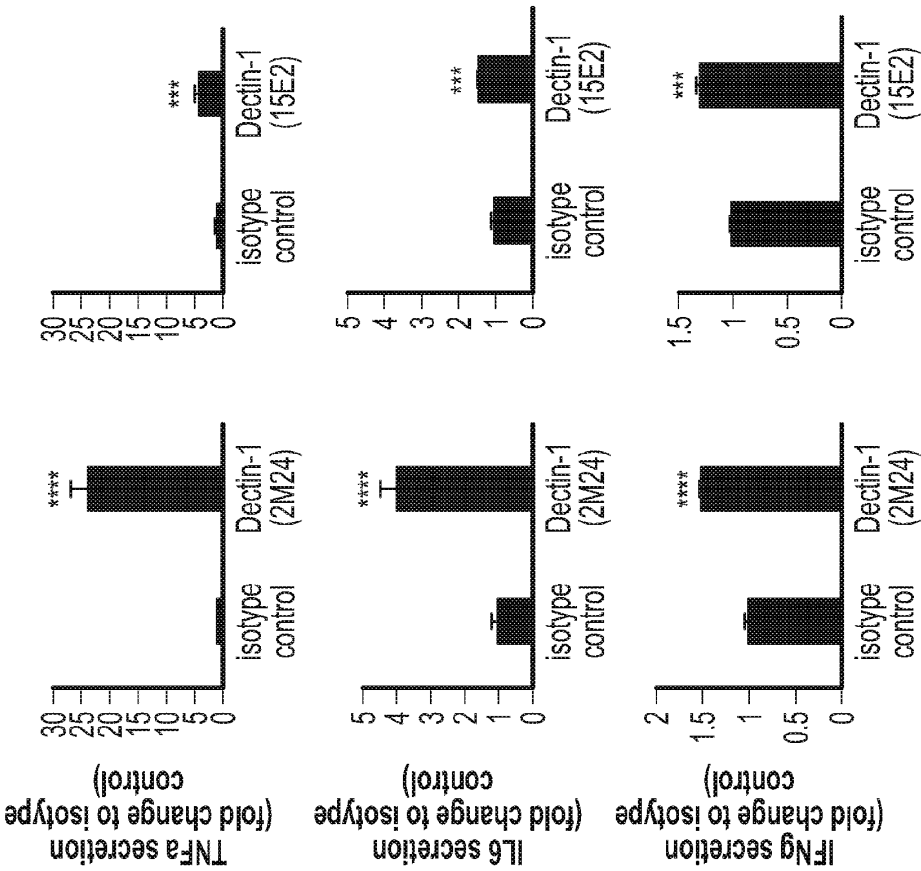


FIG. 7A

Cytokine secretion of immobilized Dectin-1 agonist Ab in cultured human primary PBMCs

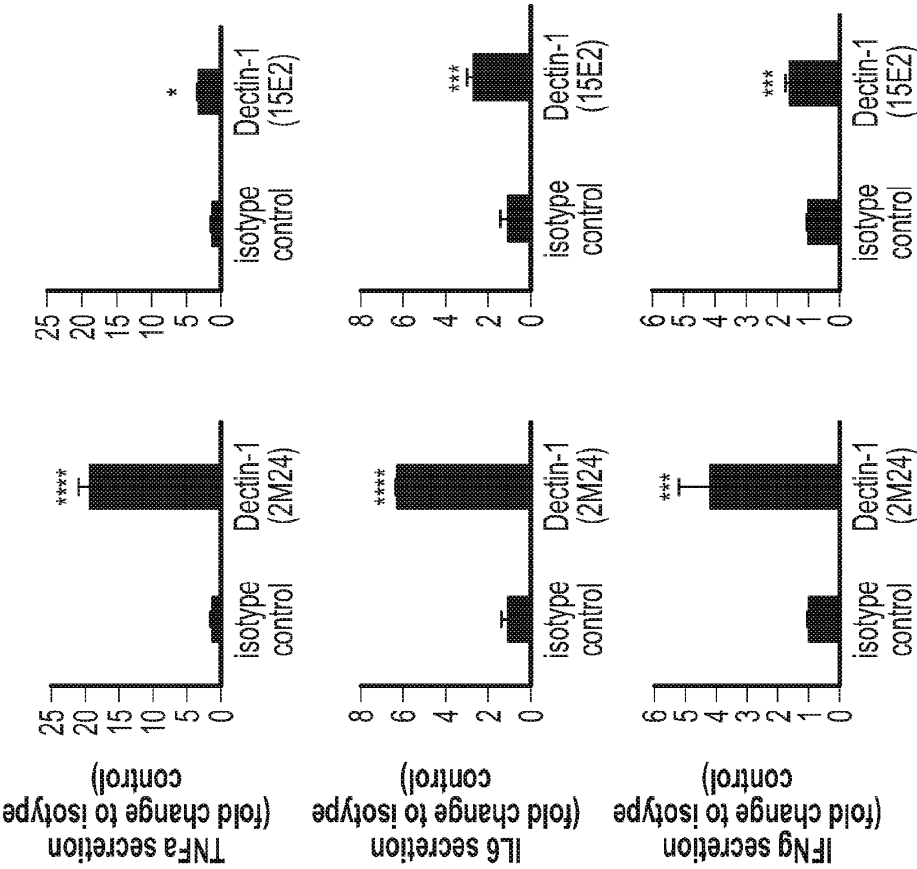


FIG. 7B

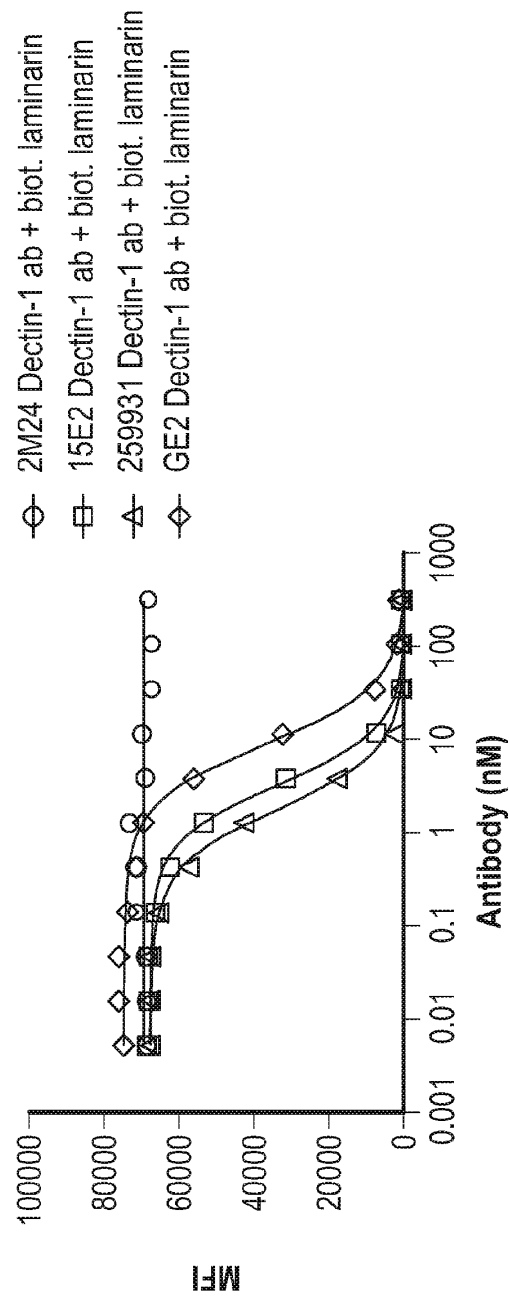


FIG. 8

Dectin-1 antibody Clone	HEK-Blue hDectin-1a cells EC50 (nM)	HEK-Blue hDectin-1b cells EC50 (nM)	HEK293F hDectin-1a FL EC50 (nM))	Human monocytes EC50 (nM)	Competition with natural ligands	TNFα secretion in PBMC (fold change to isotype)	IL6 secretion in PBMC (fold change to isotype)	IFNγ secretion in PBMC (fold change to isotype)	Phagocytosis
2M24	0.4	1	1.1	0.3	NO	19	6.4	4.1	YES
15E2	1.2	9.3	1.4	0.6	YES	3	2.6	1.6	YES

FIG. 9

Differential labeling of antibodies with MTA or FOL

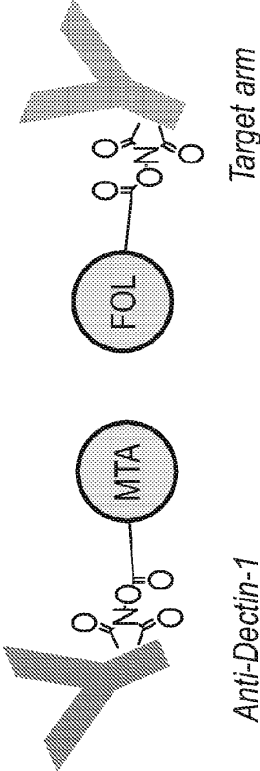


FIG. 10A

Covalent crosslinking of antibodies via specific MTA-FOL interactions

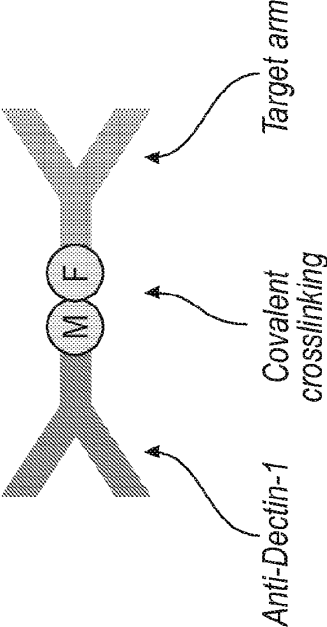


FIG. 10B

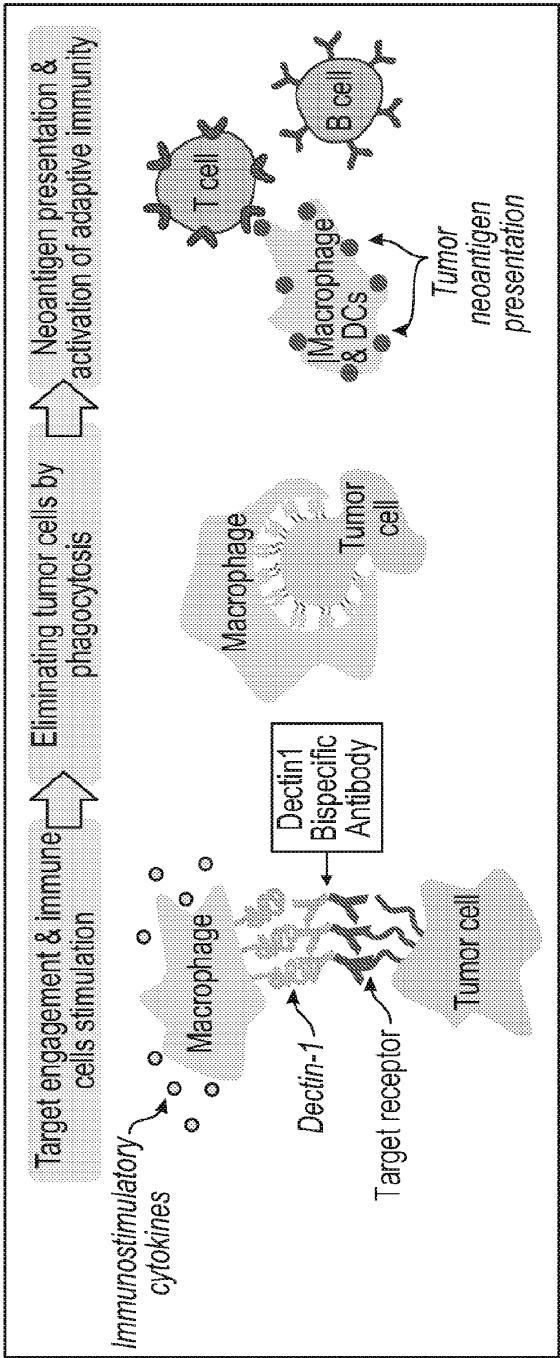


FIG. 11A

Targets for Oncology	
CD70	
HER2	
DLL3	
NECTIN-4	
TROP-2	
MESOTHELIN	
LIV-1	
C-MET	
FOLR1	
EGFR	

FIG. 11B

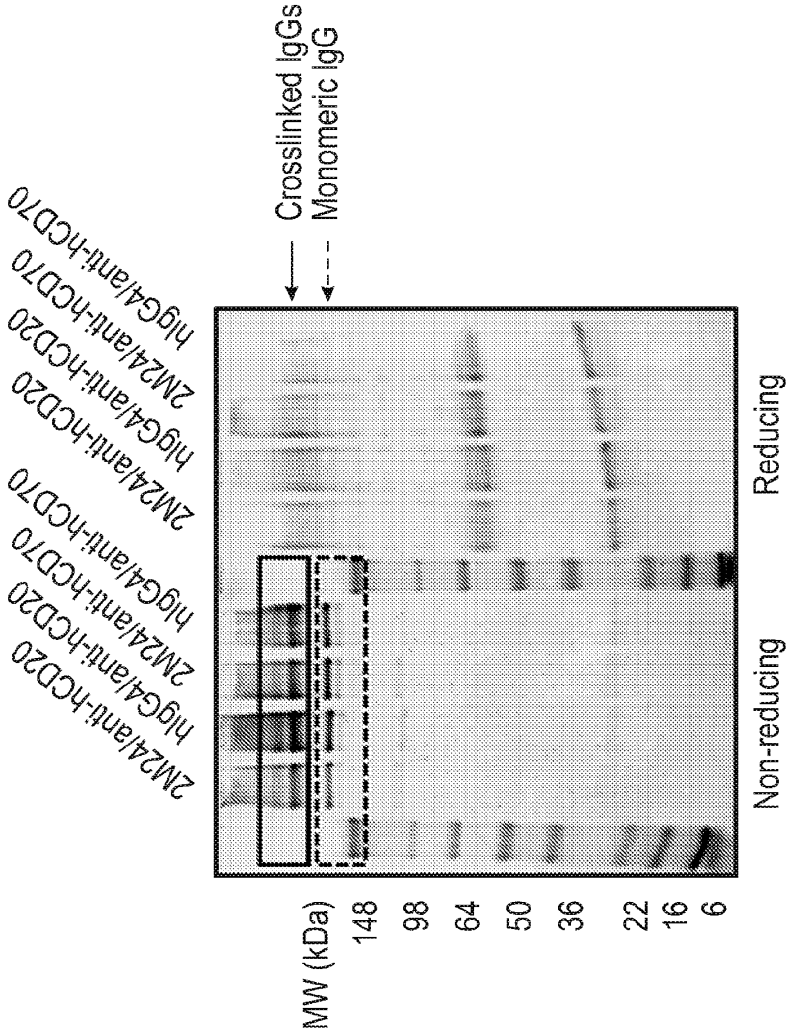


FIG. 12A

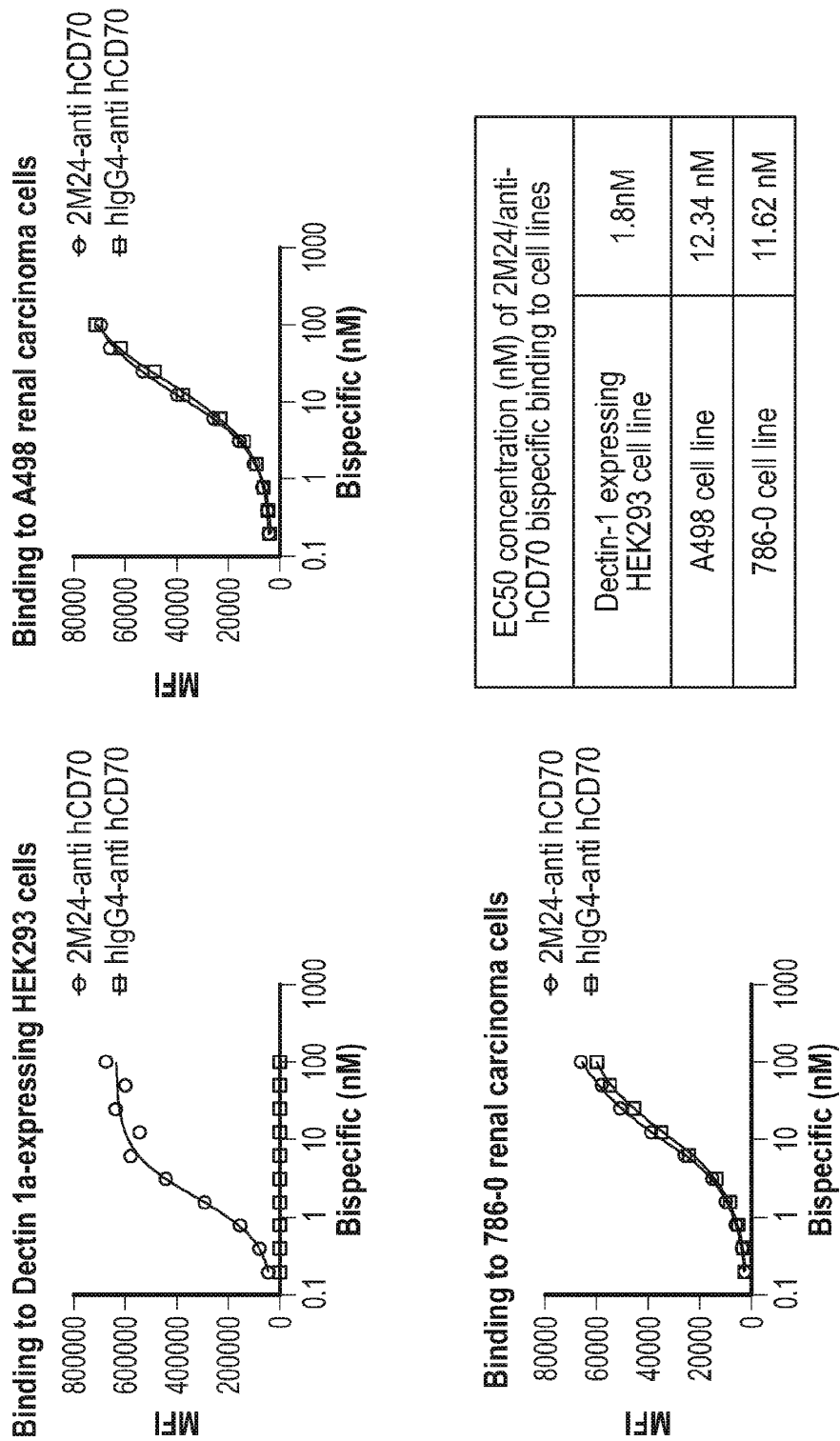


FIG. 12B

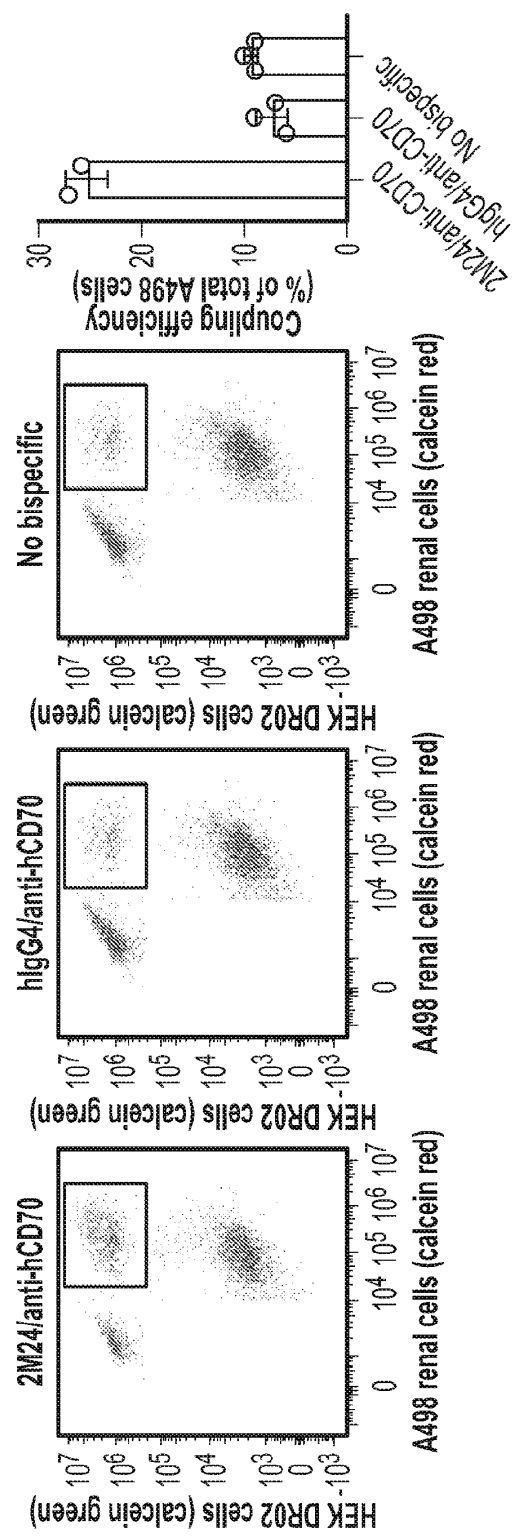


FIG. 13

Coupling Dectin-1-expressing HEK293 cells and Raji cells

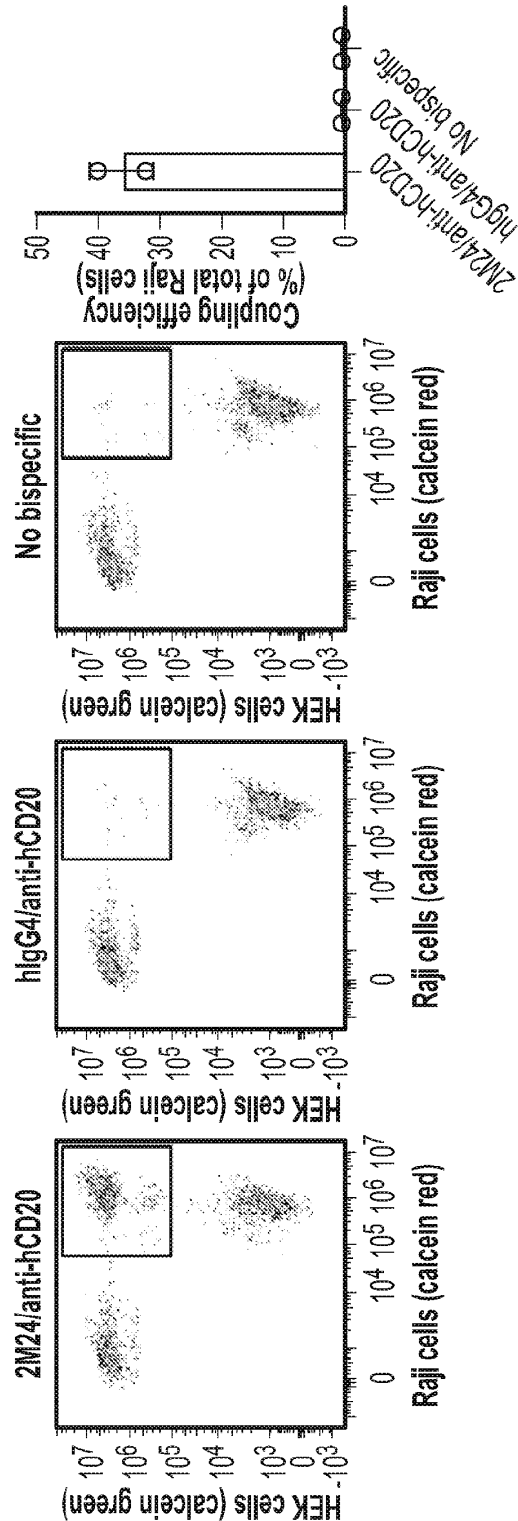


FIG. 14A

Coupling human M0 macrophages and Raji cells

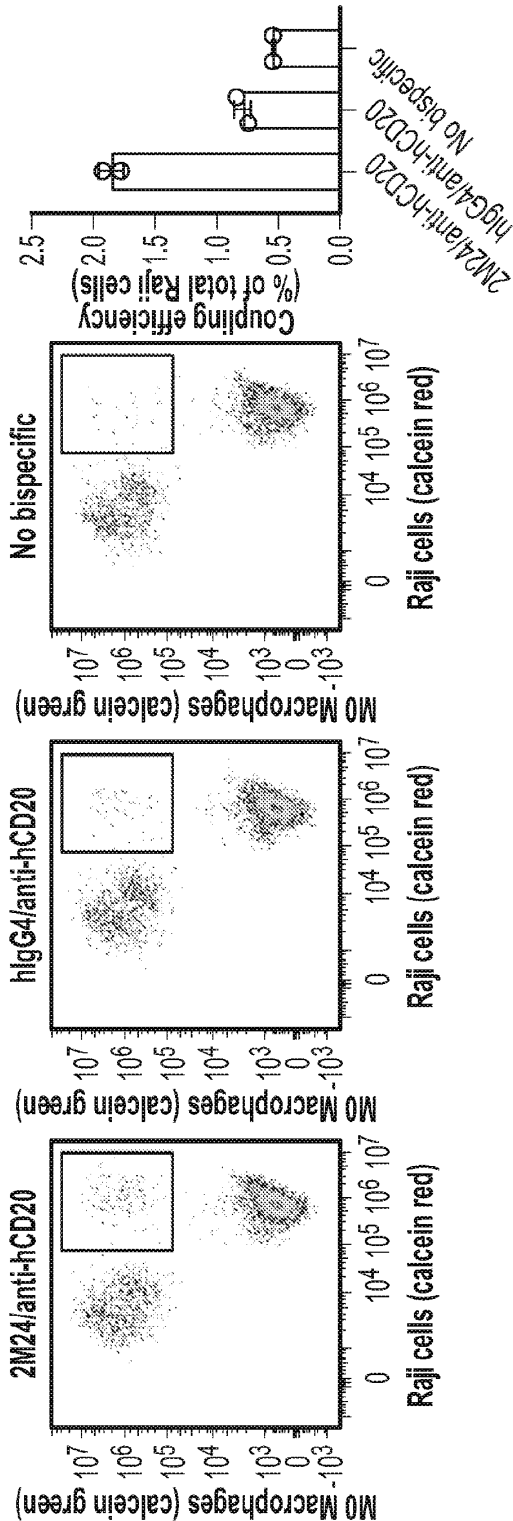


FIG. 14B

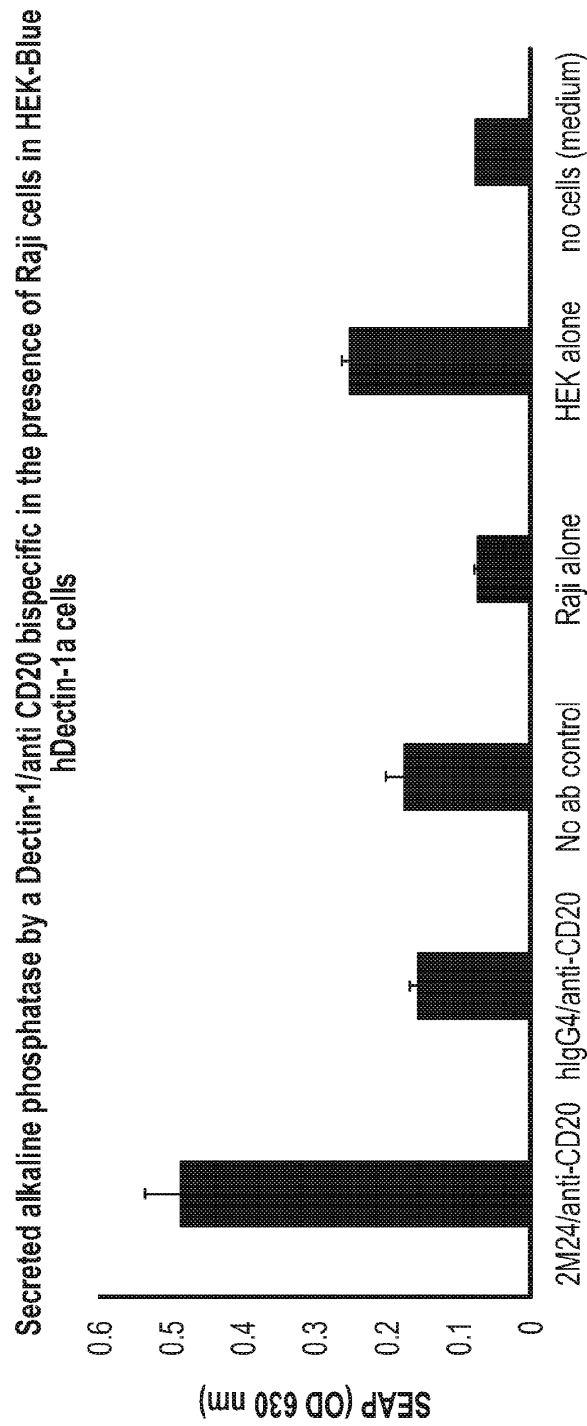


FIG. 15

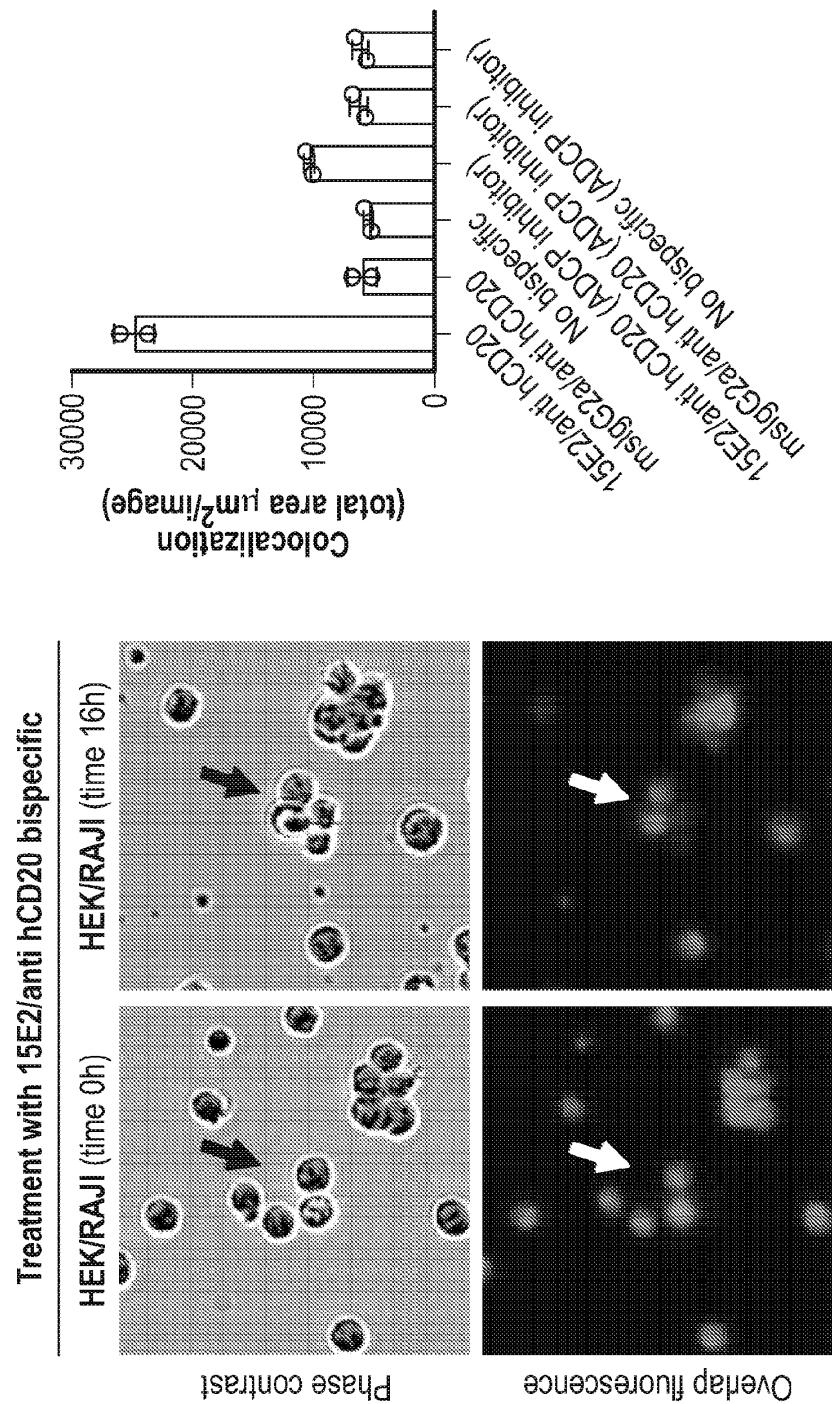


FIG. 16

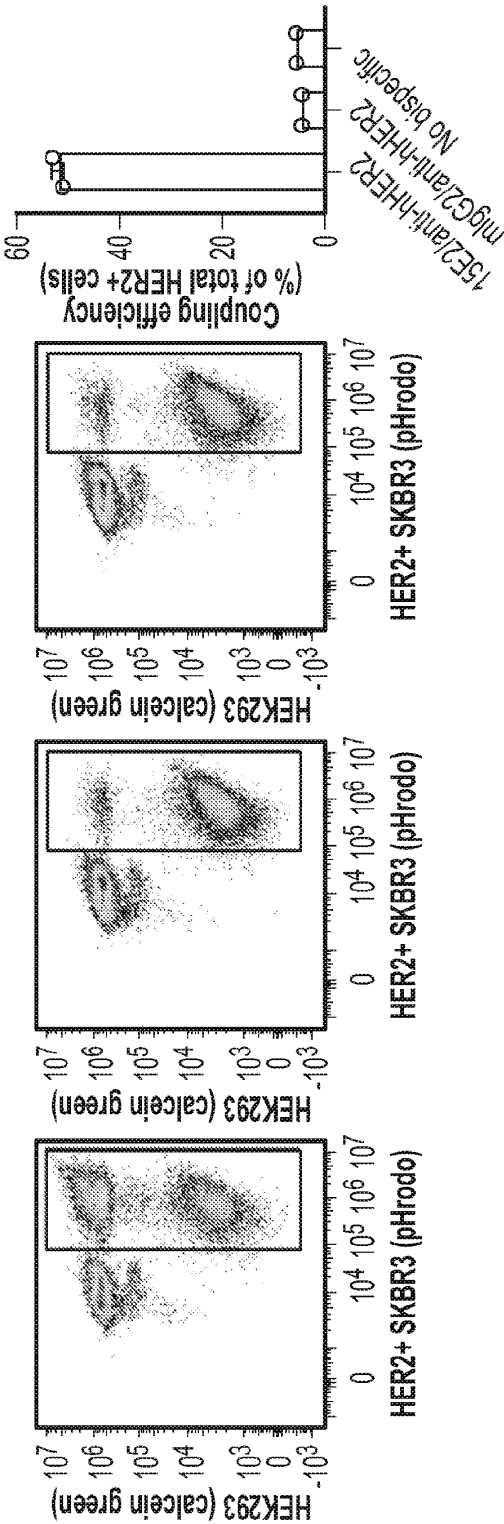


FIG. 17

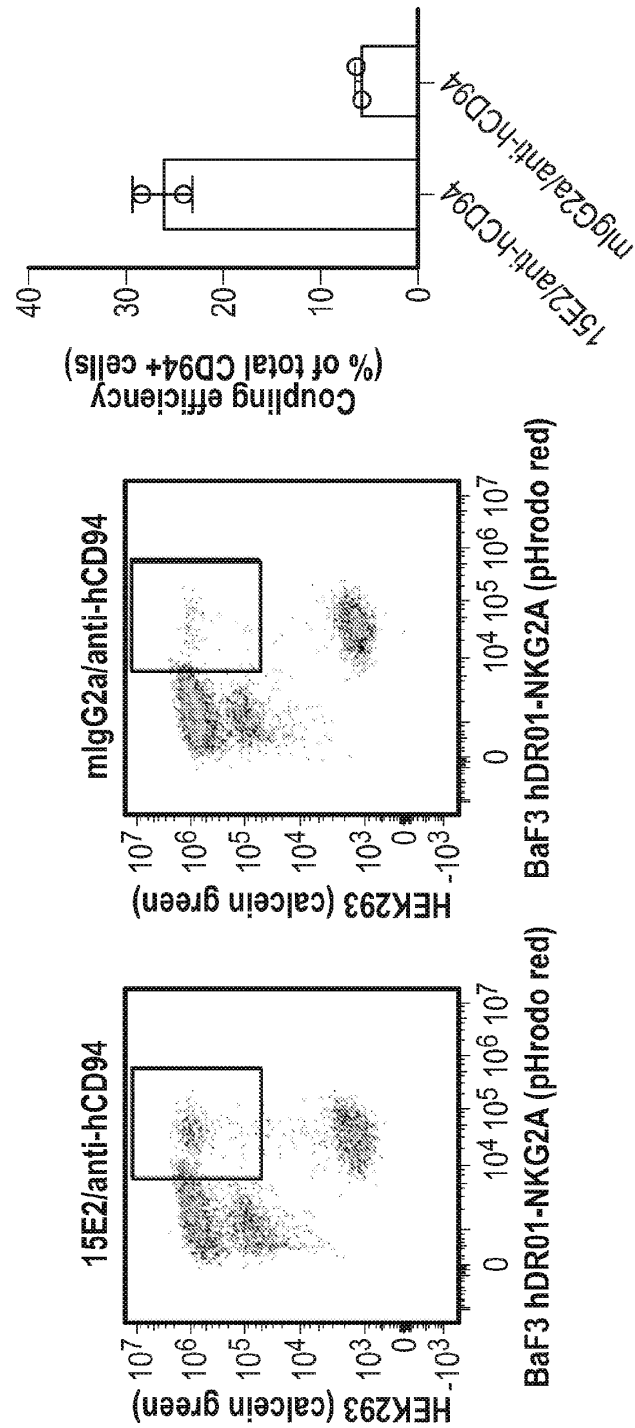


FIG. 18

Chimeric fusions of monomeric Streptavidin (mSA) and Fab 2M24 or full length 2M24

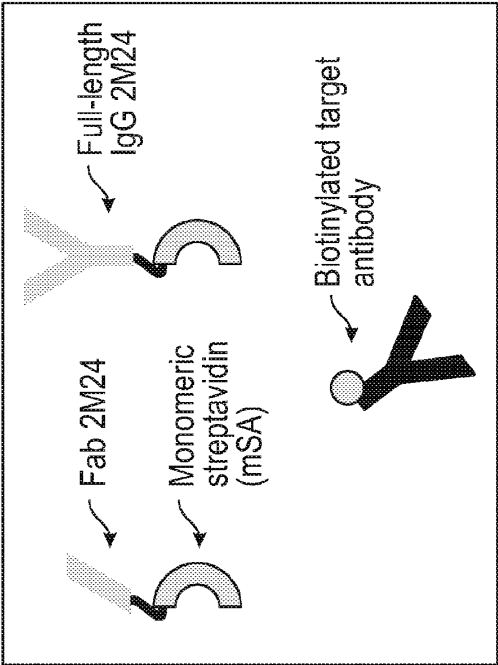


FIG. 19A

Coupling of Fab 2M24-mSA or 2M24-mSA to biotinylated target antibodies

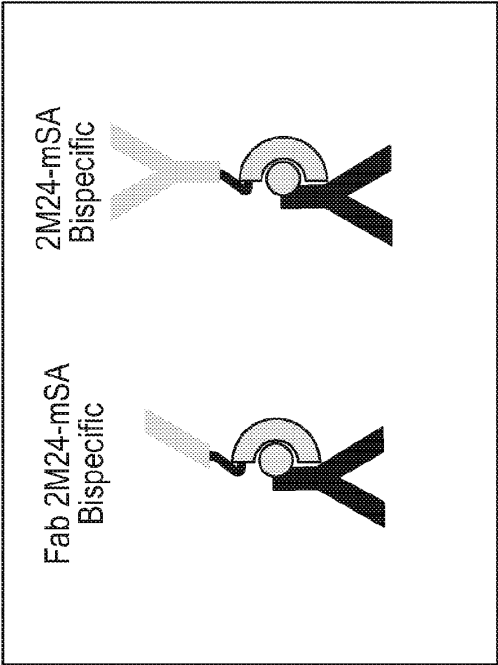


FIG. 19B

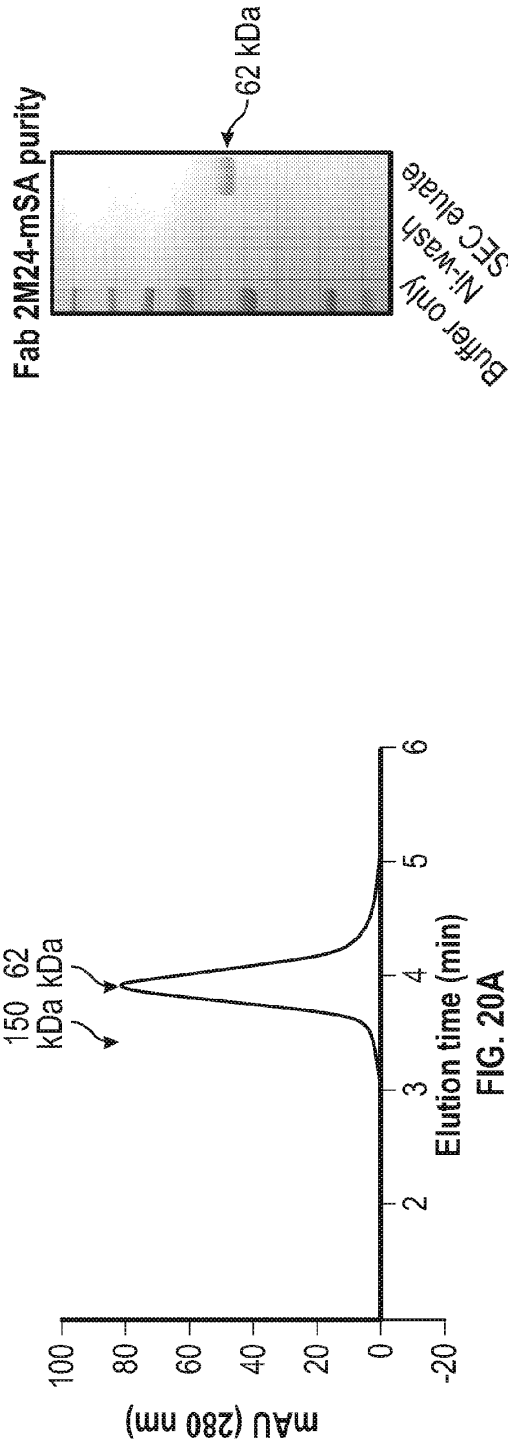


FIG. 20B

FIG. 20A

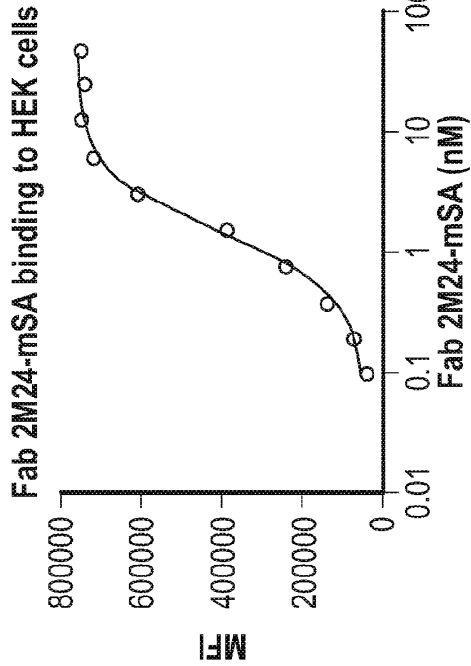


FIG. 20C

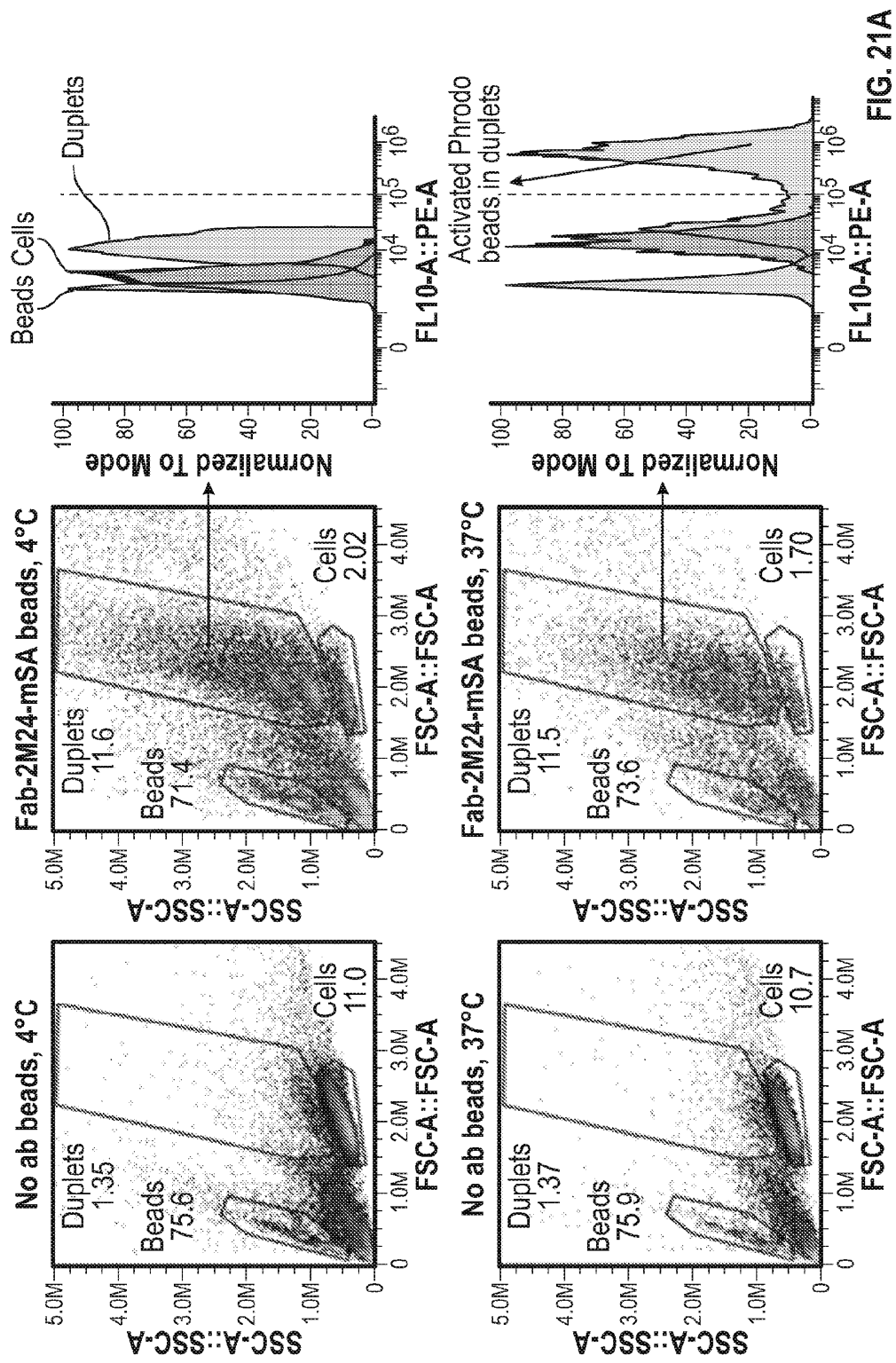


FIG. 21A

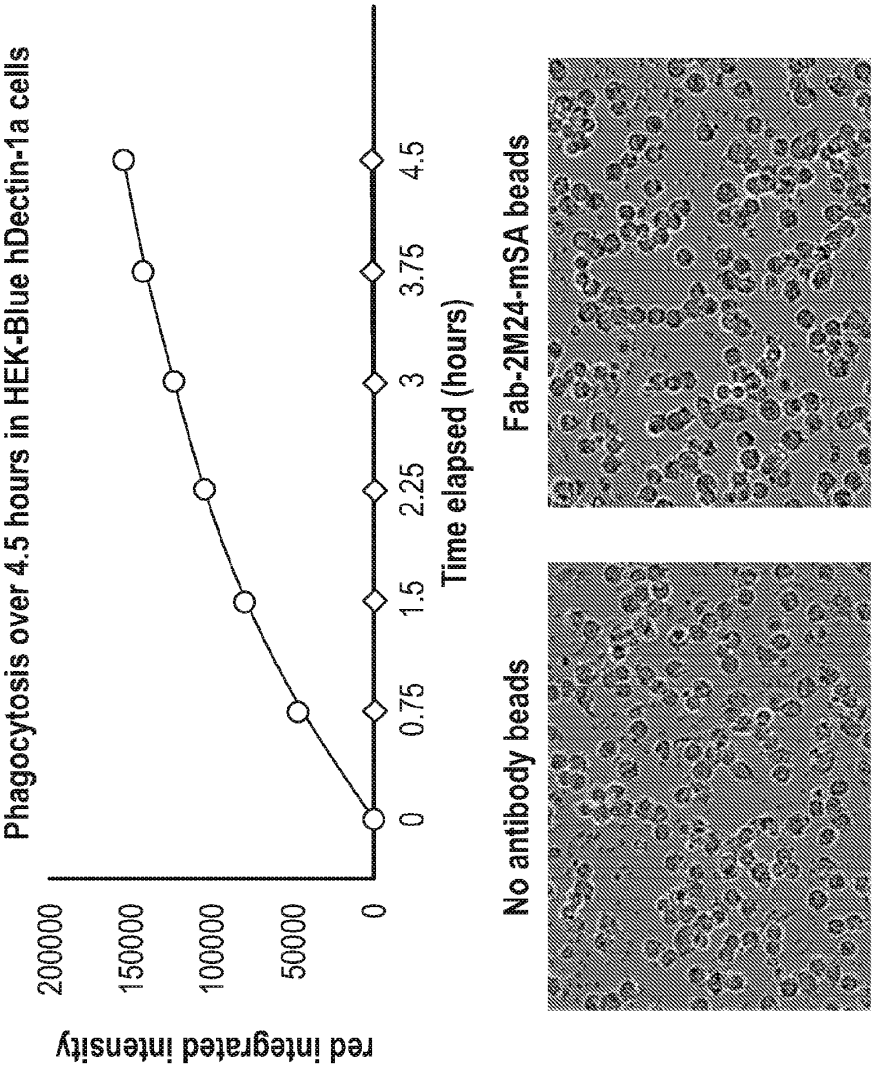


FIG. 21B

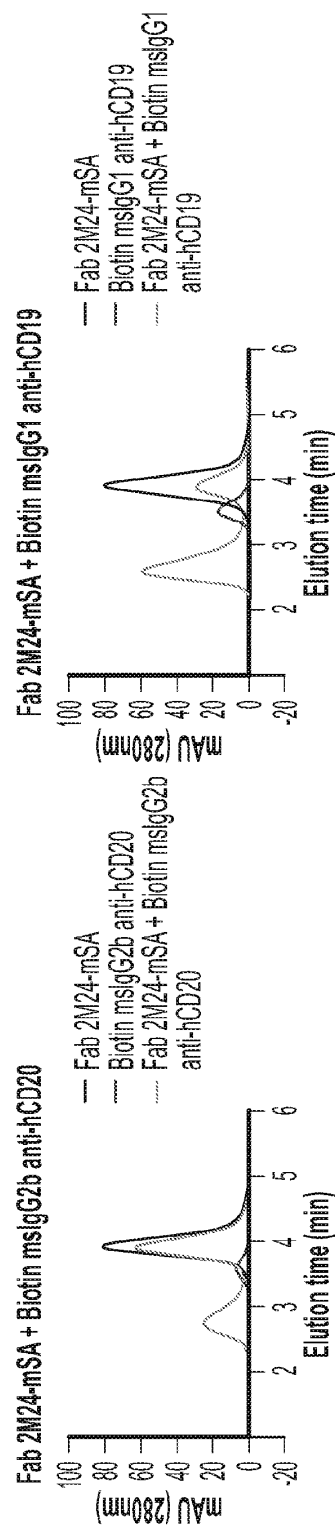


FIG. 22A

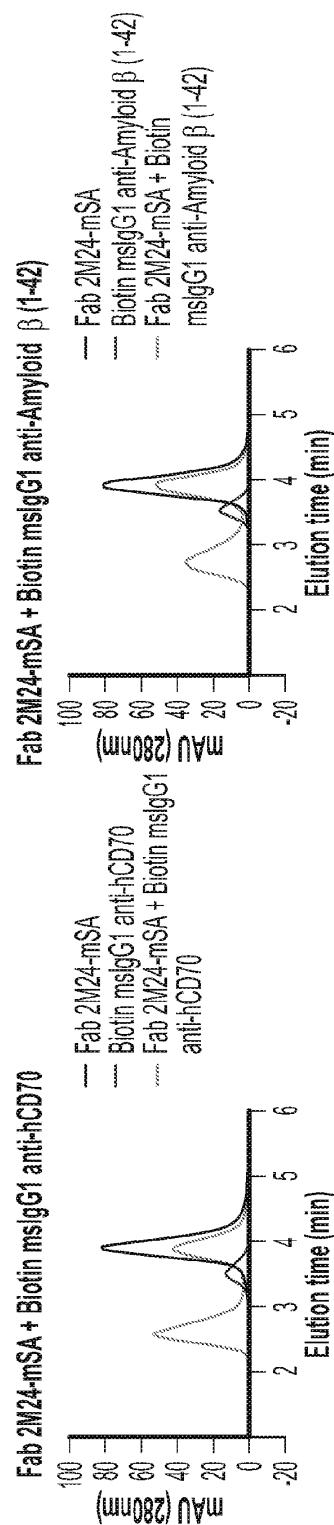


FIG. 22C

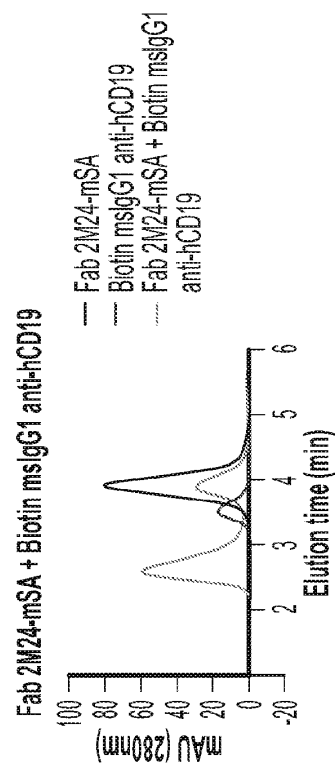


FIG. 22B

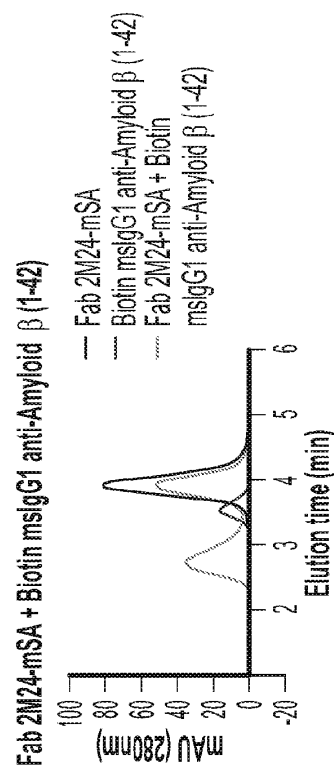
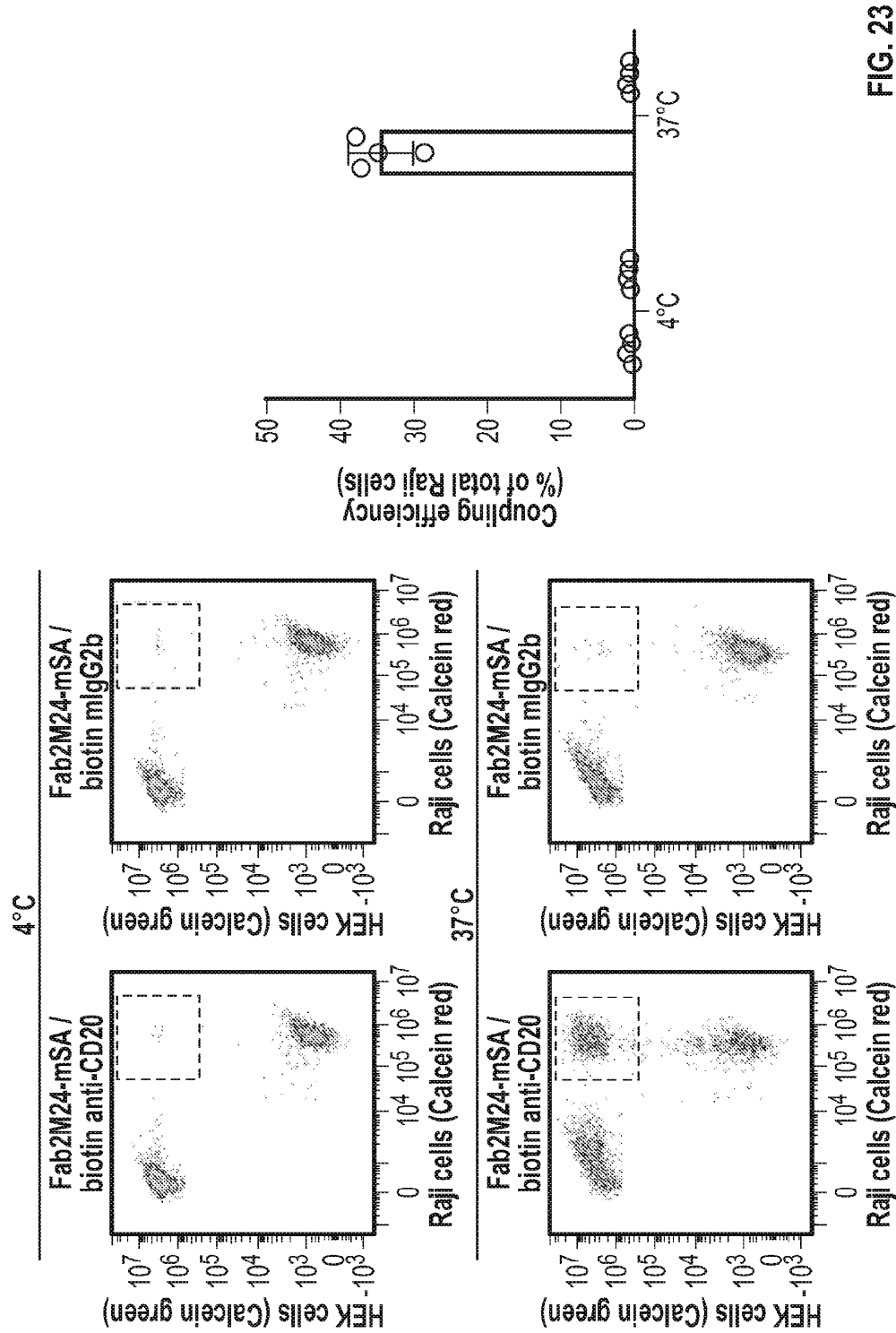
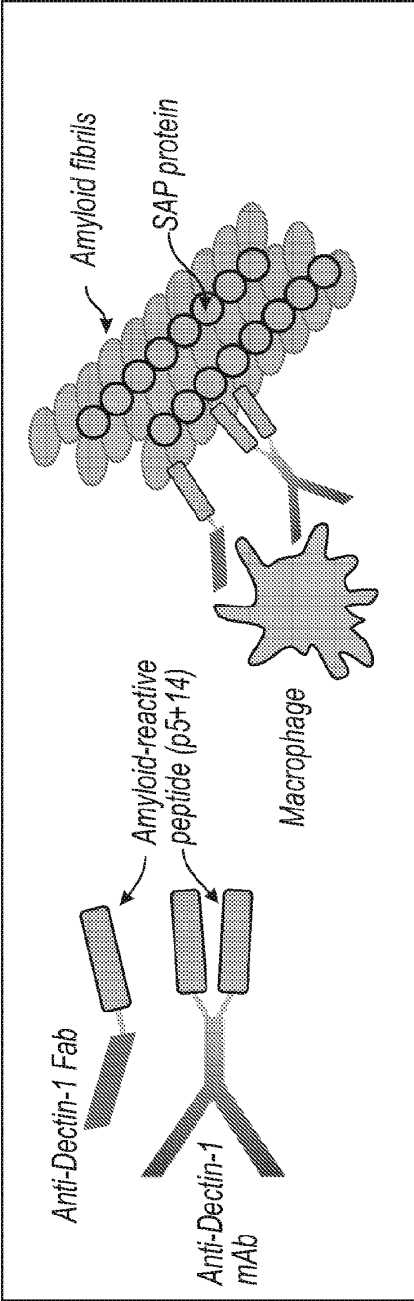


FIG. 22D



Chimeric Dectin-1 antibody (or Fab) fused to an amyloid-reactive peptide (p5+14) for targeted phagocytosis of amyloid fibrils



Bispecific antibody that binds to Dectin-1 and Serum Amyloid protein P (SAP) for targeted phagocytosis of amyloid fibrils

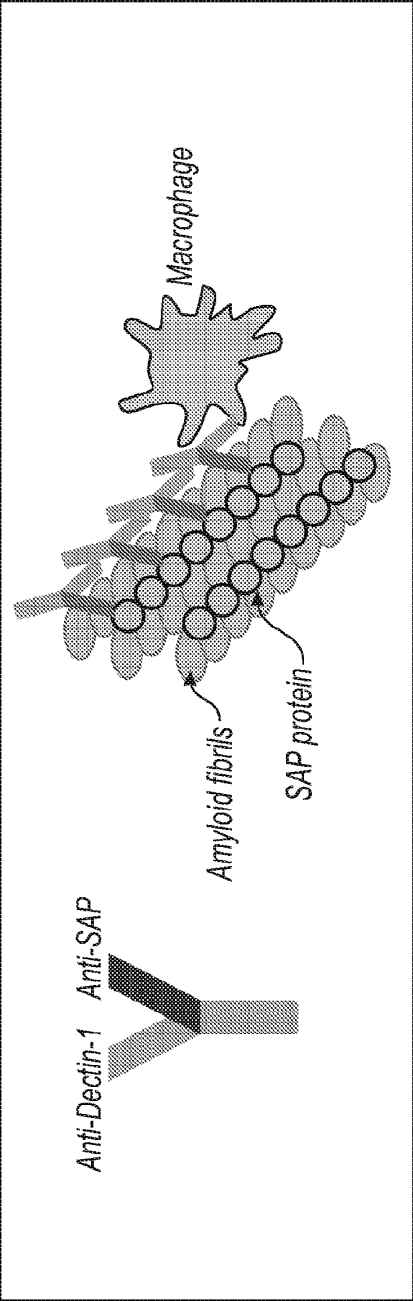


FIG. 24

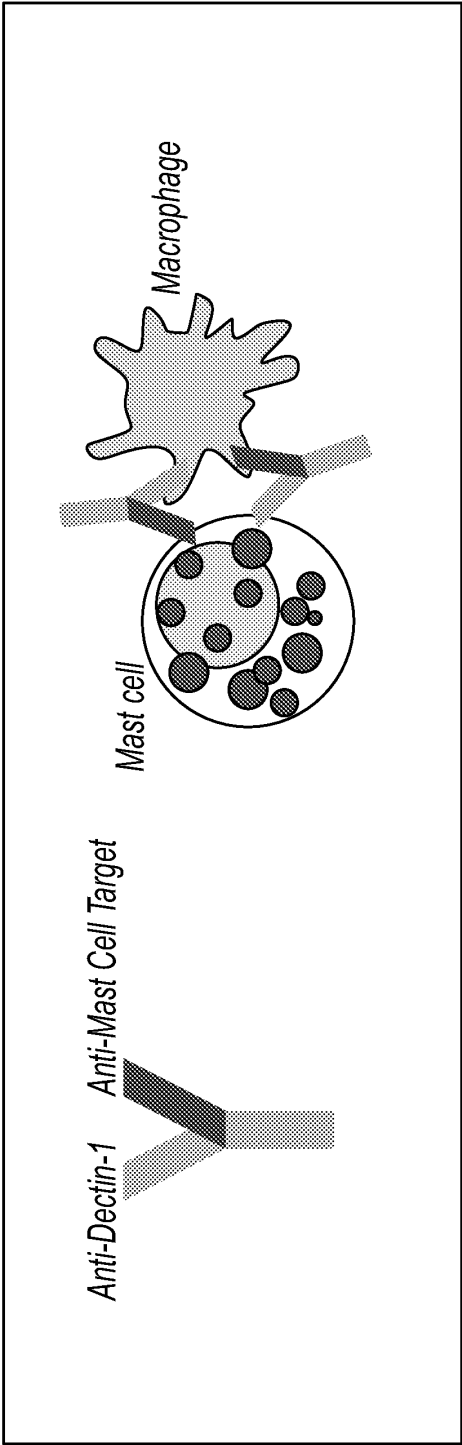


FIG. 25A

Targets identified by proteomics studies	Targets identified by RNA sequencing of mastocytosis patients samples
MRGPRX2	CD33 (SIGLEC 3)
CD171 (L1CAM)	CD25 (IL25Ra)
SIGLEC 6	CD30 (TNFRFS8)
CD117	SIGLEC 8
CD203c	CD13
CD51	CD44
DPP4	CD52
	CD117
	CD123

FIG. 25B

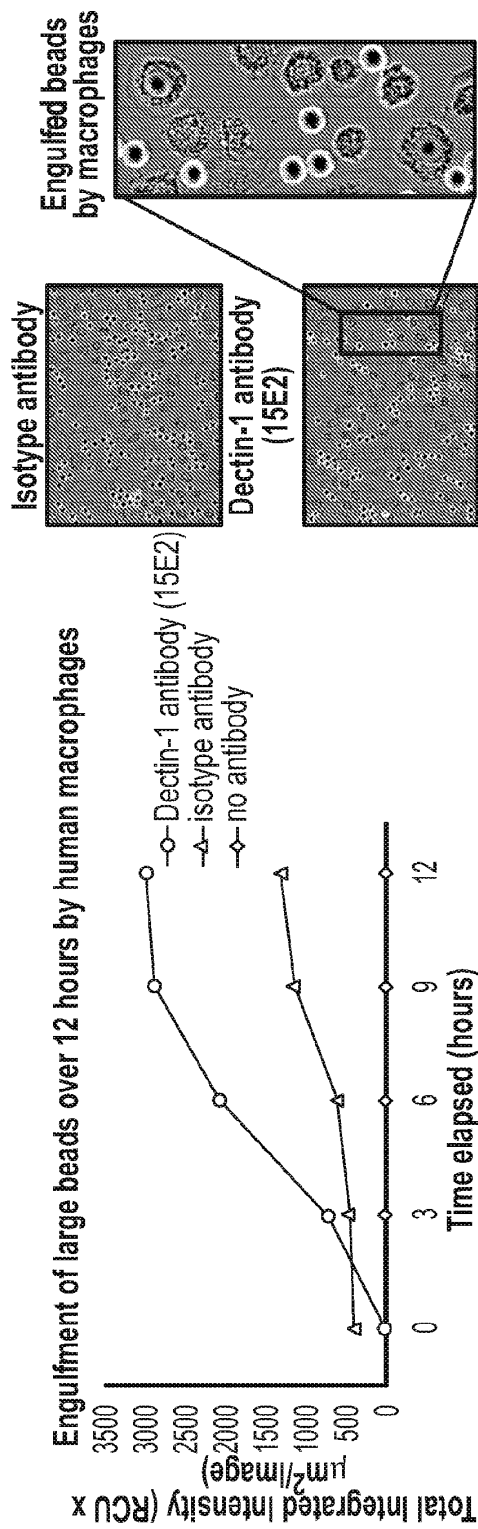
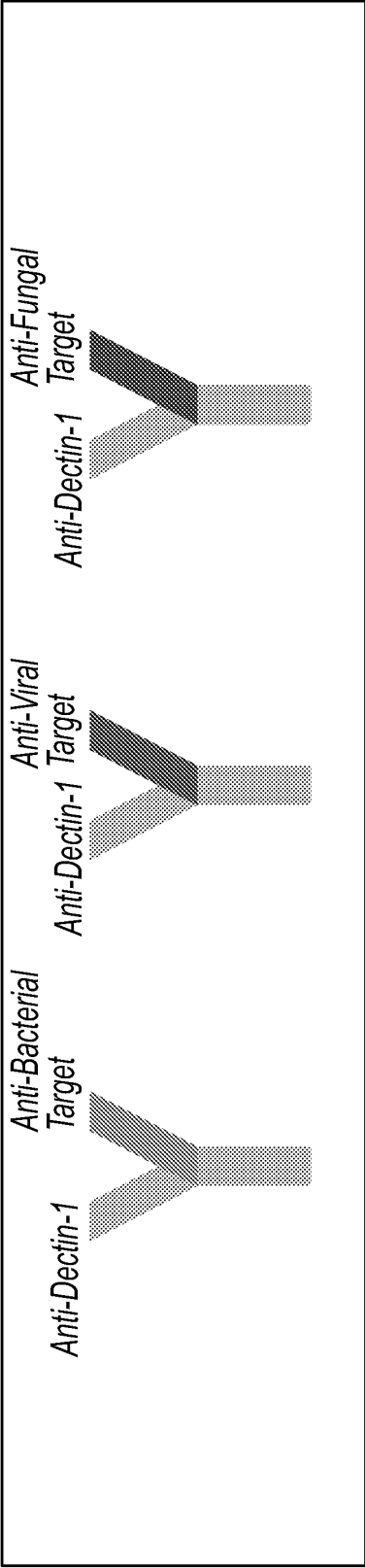


FIG. 26

Bispecific(anti-Dectin-1/anti-microbialtarget) against bacteria, viruses, and fungi



Dectin-1 bispecific antibodies deploys Dectin-1-expressing phagocytes to eliminate bacterial, viral or fungal pathogens

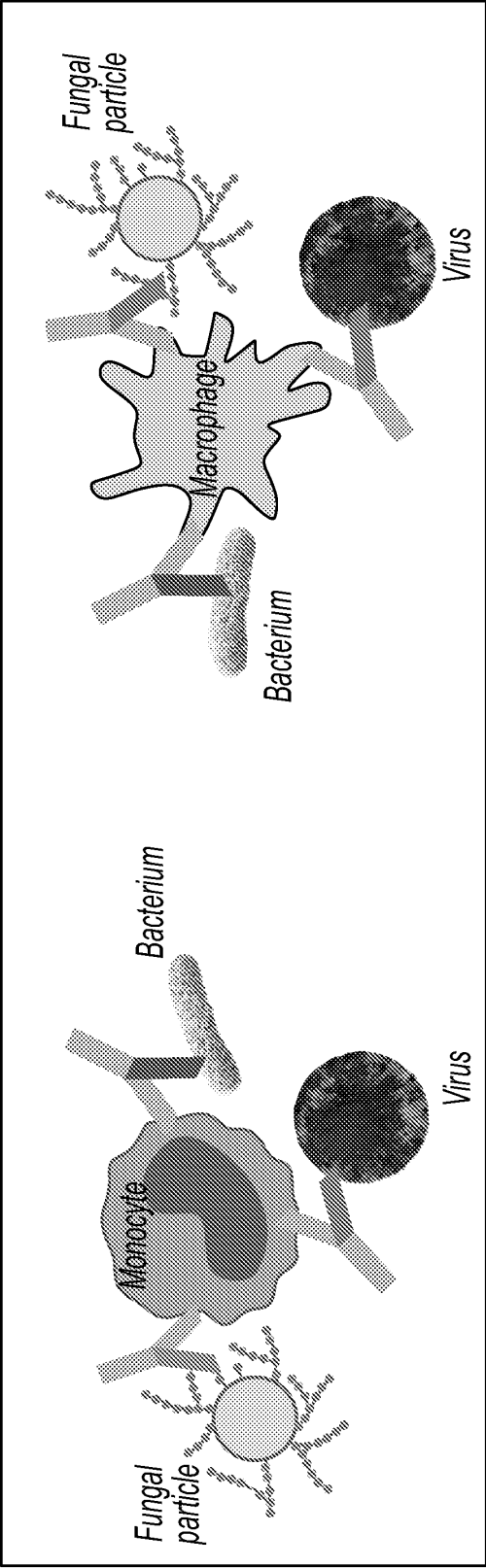


FIG. 27

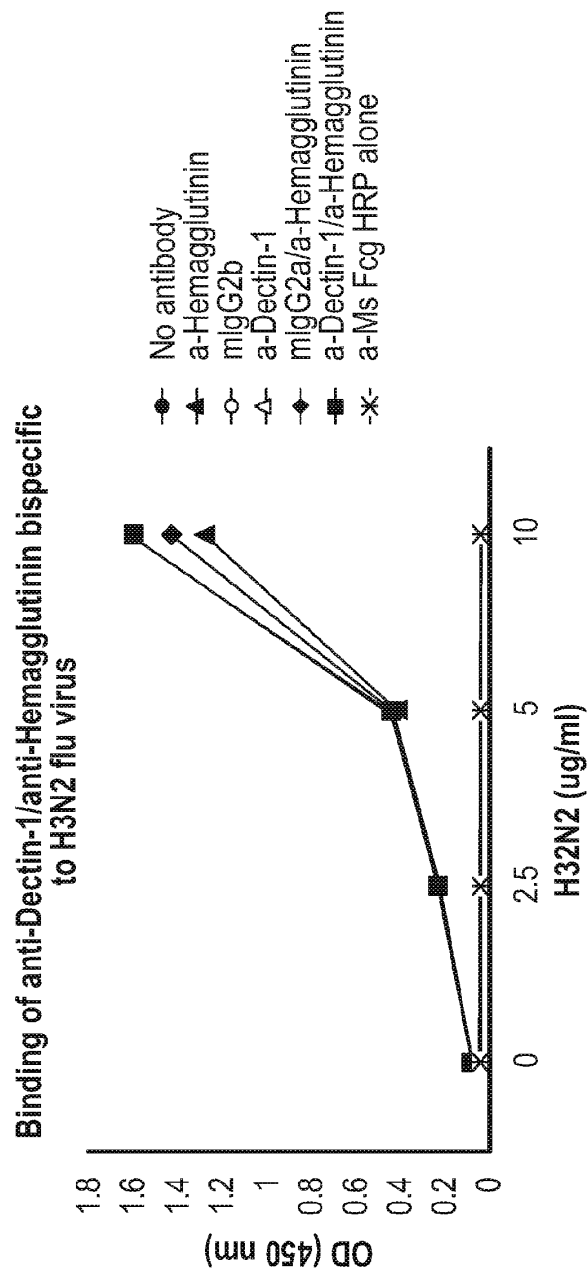


FIG. 28A

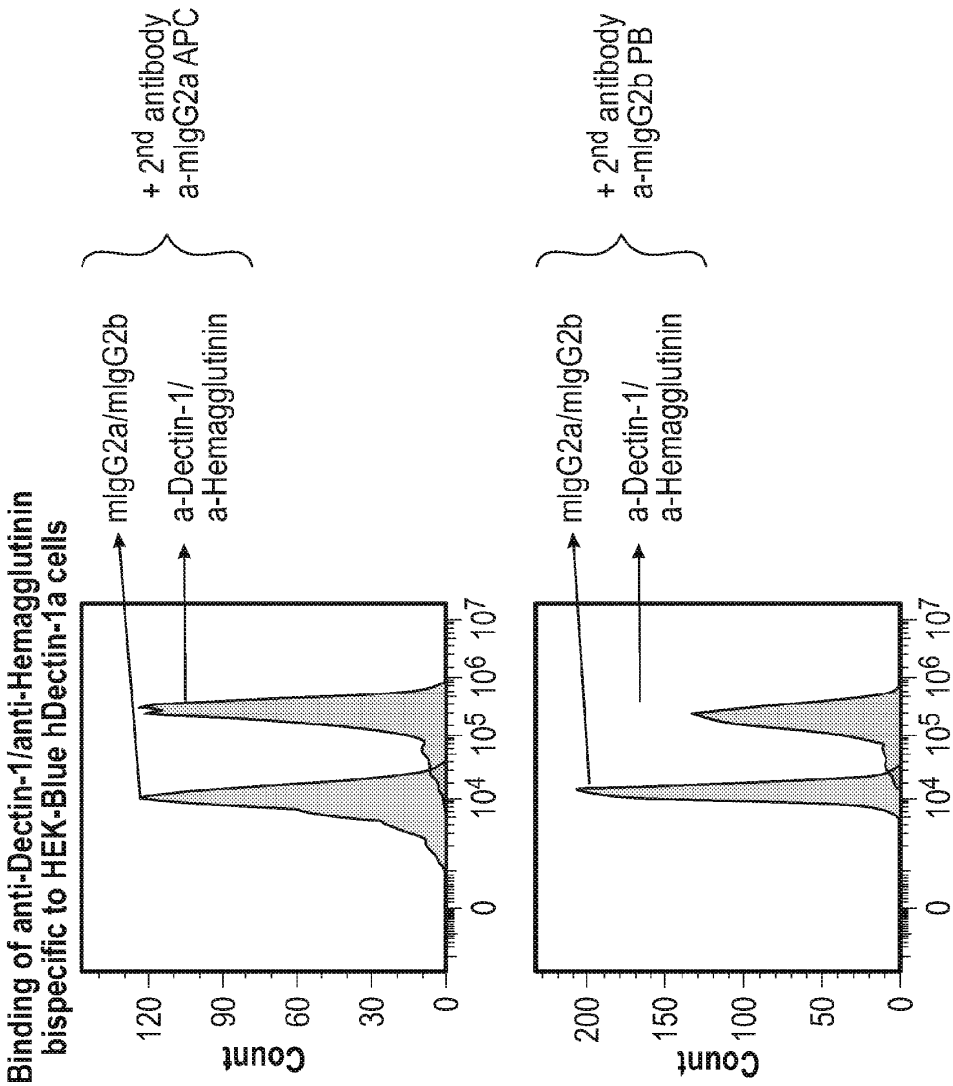


FIG. 28B

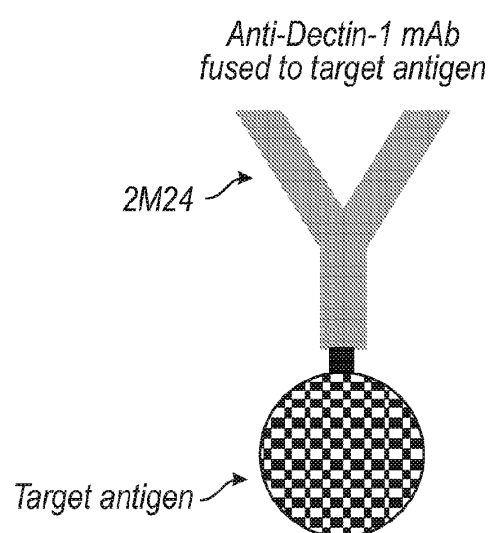


FIG. 29A

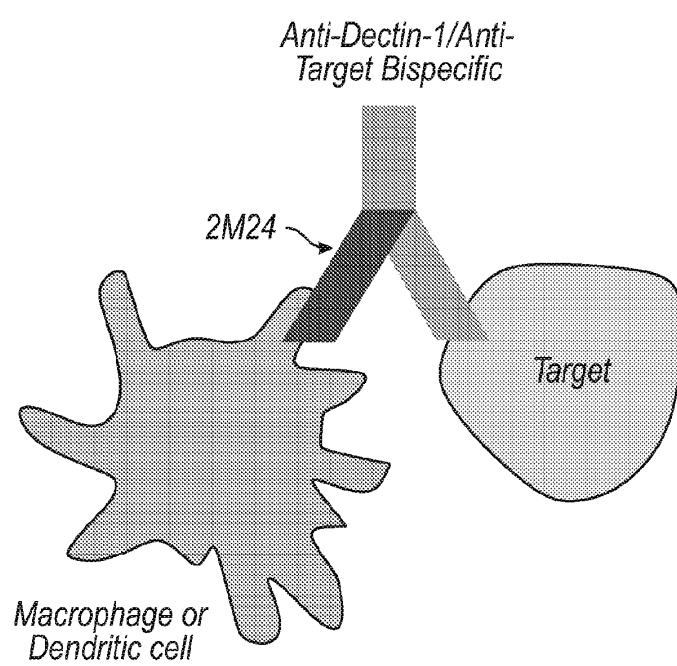


FIG. 29B

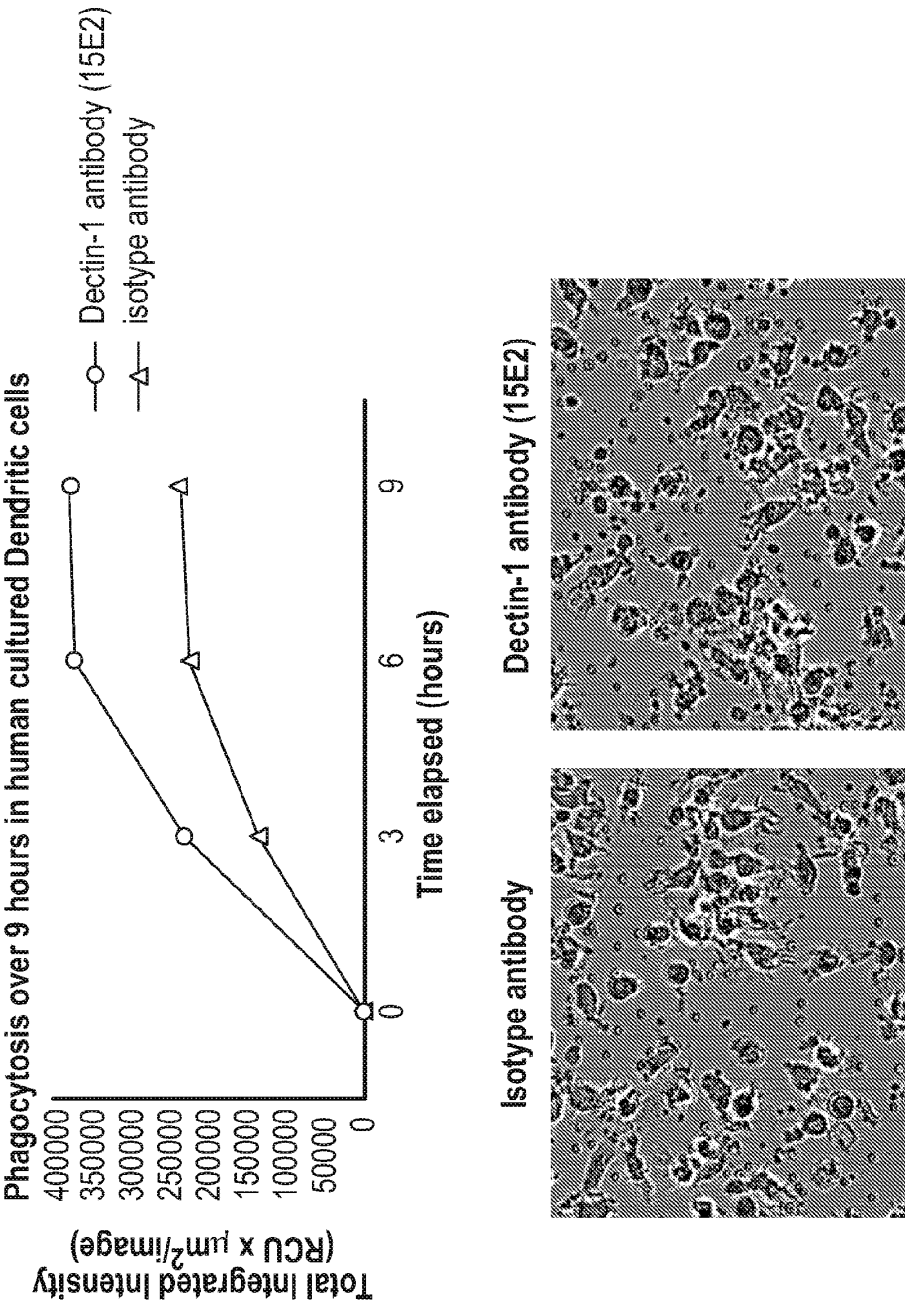


FIG. 30

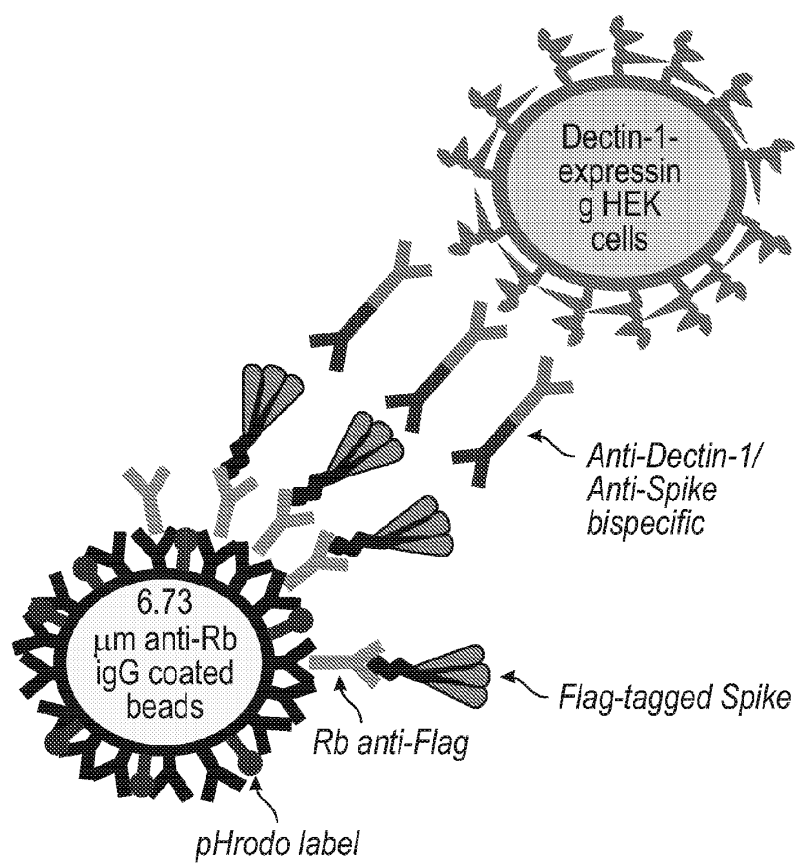


FIG. 31A

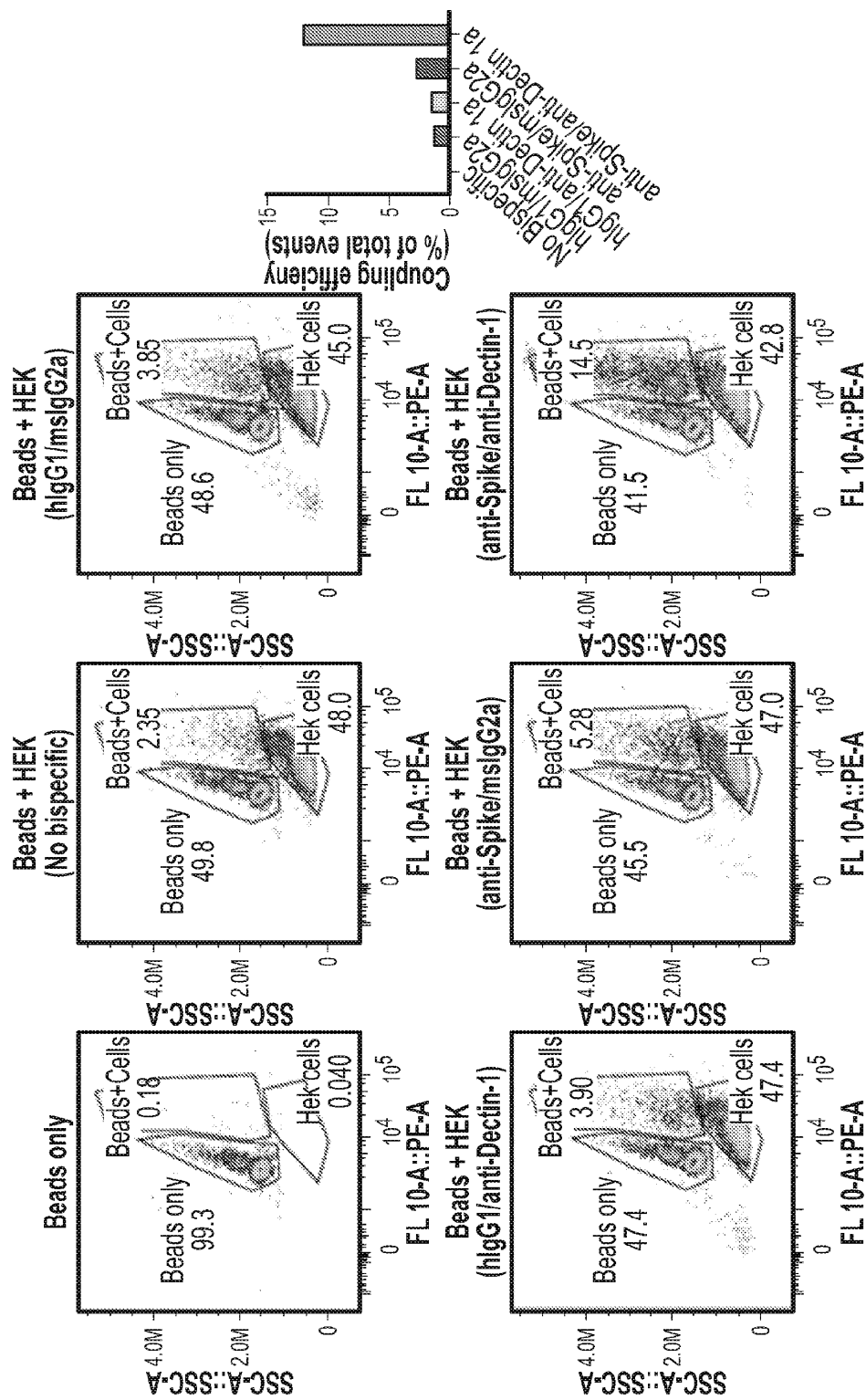


FIG. 31B

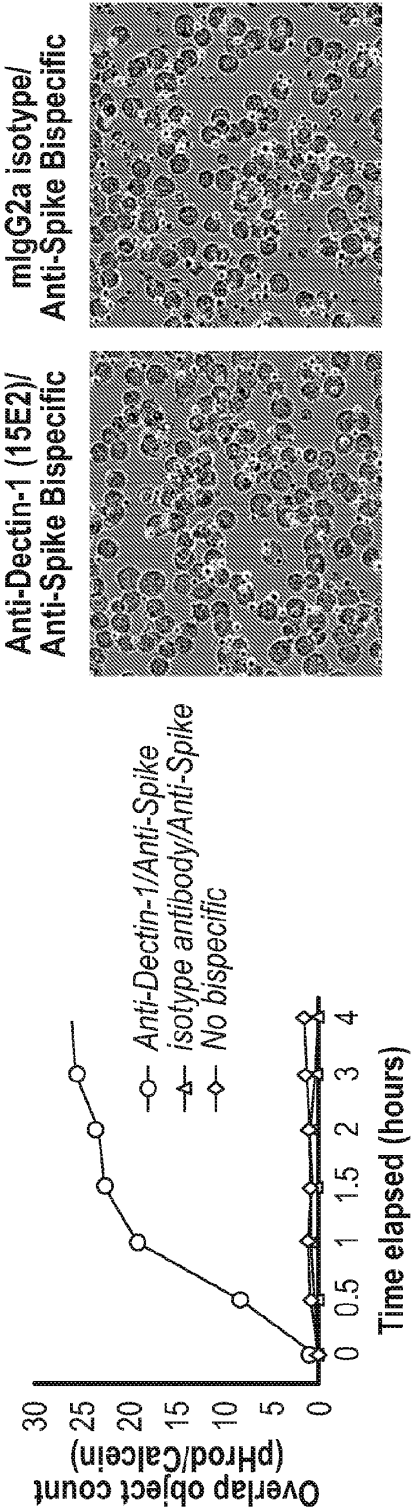


FIG. 31C

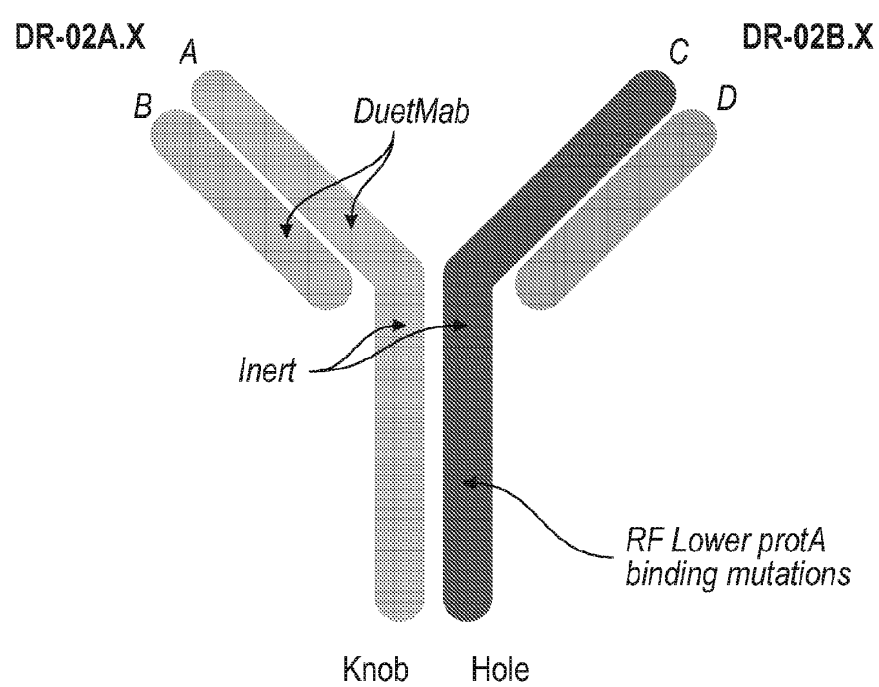


FIG. 32A

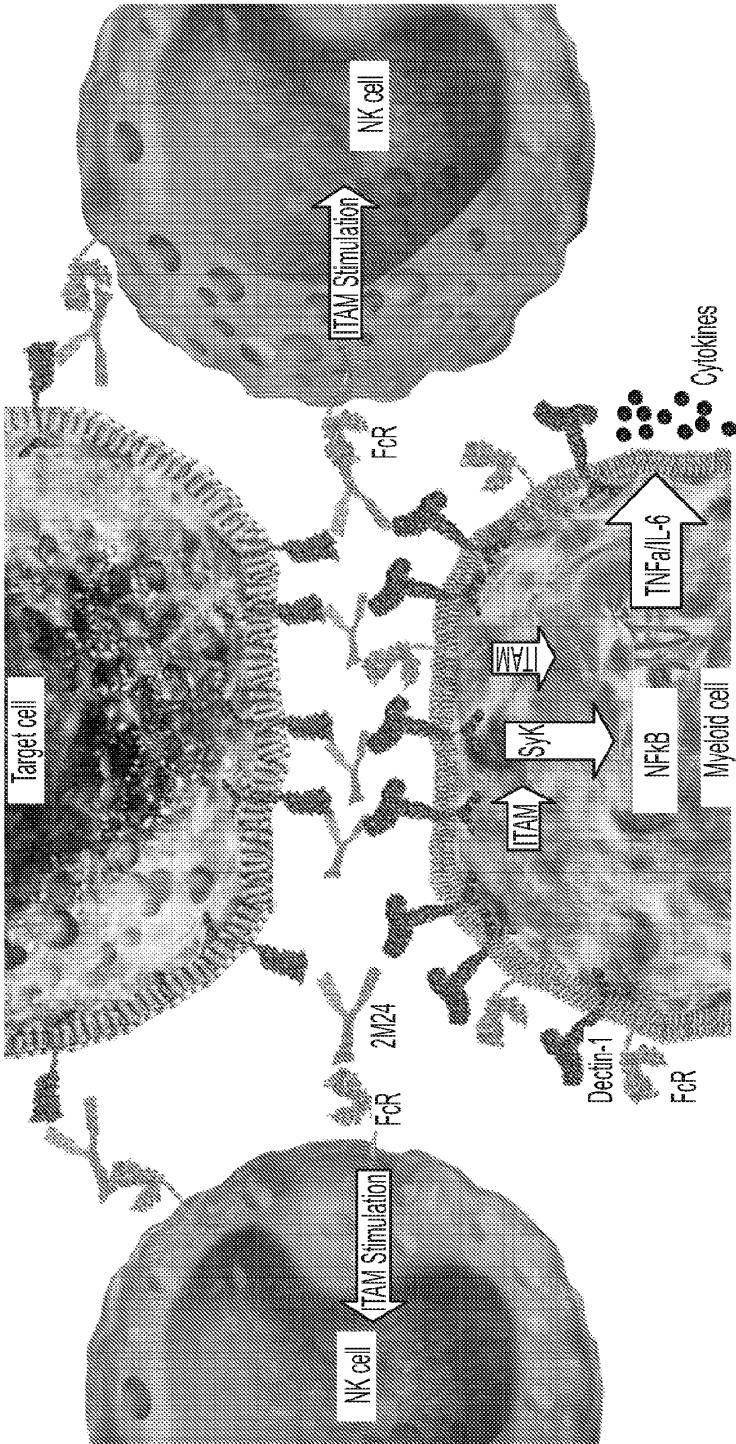


FIG. 32B

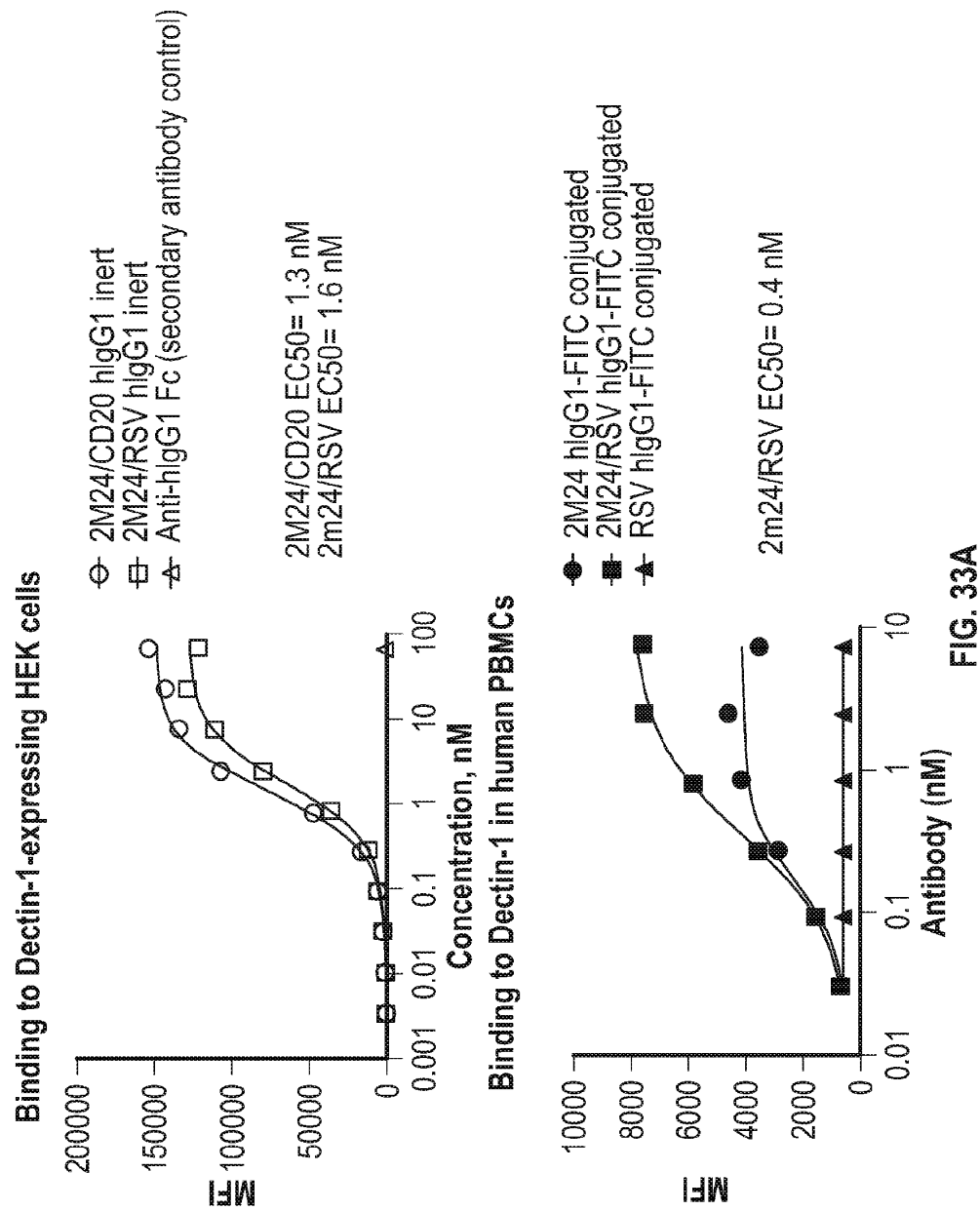


FIG. 33A

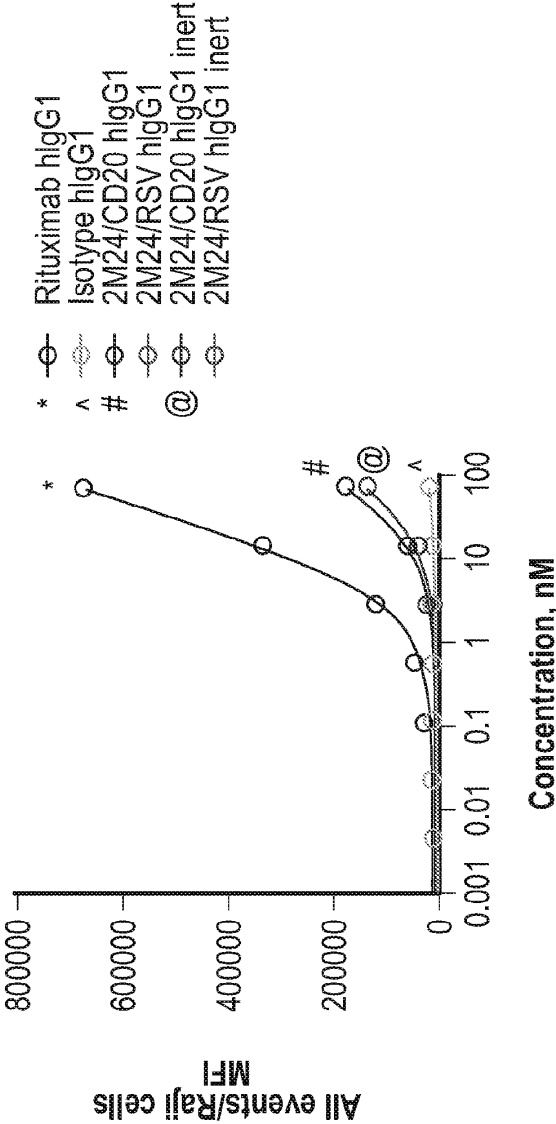


FIG. 33B

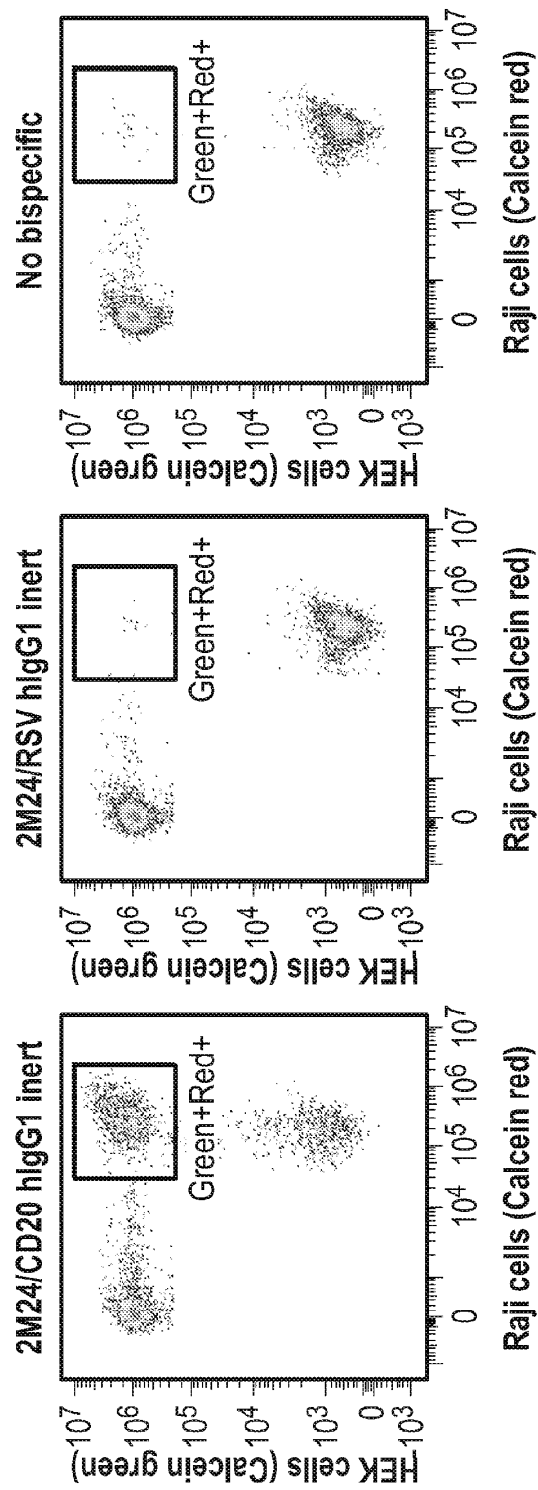


FIG. 34A

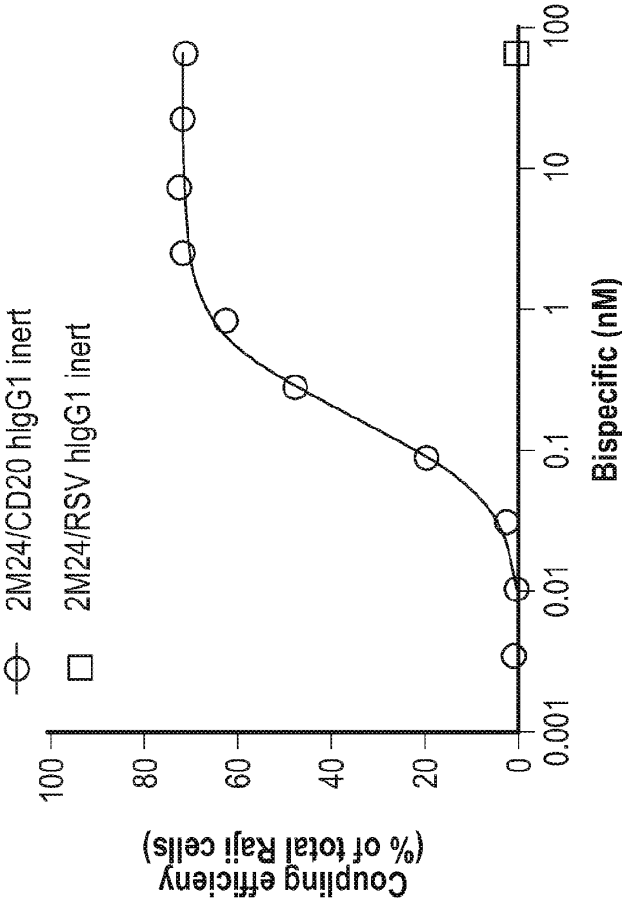


FIG. 34B

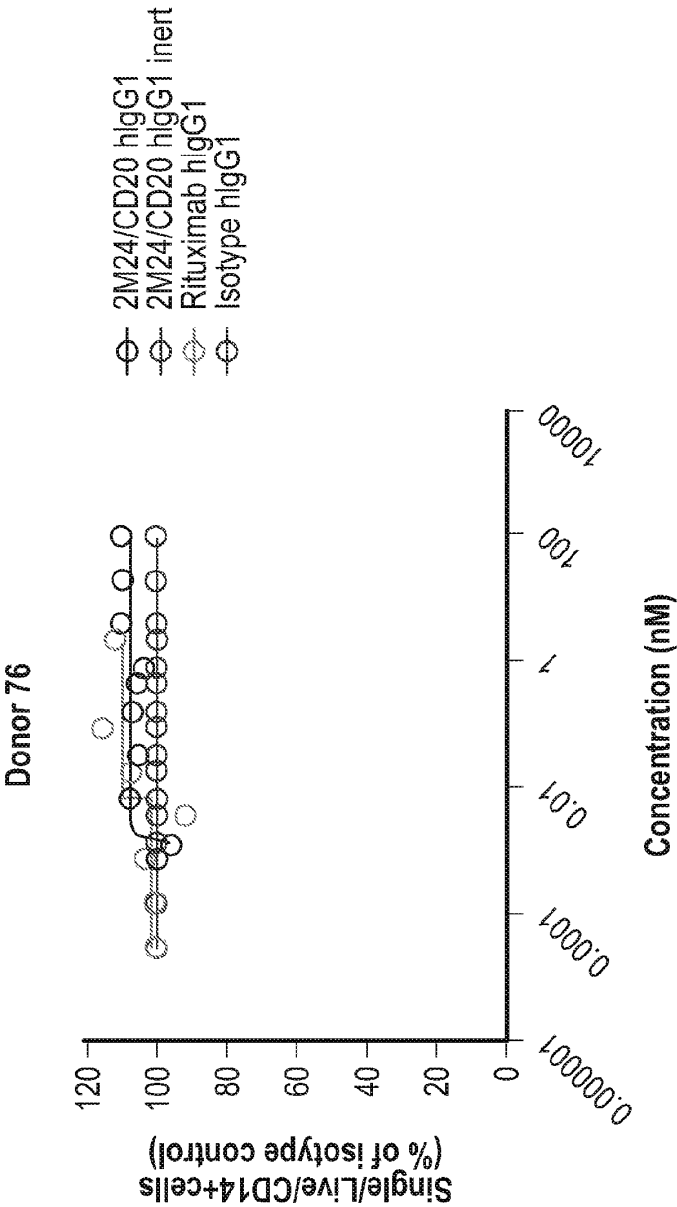


FIG. 35A

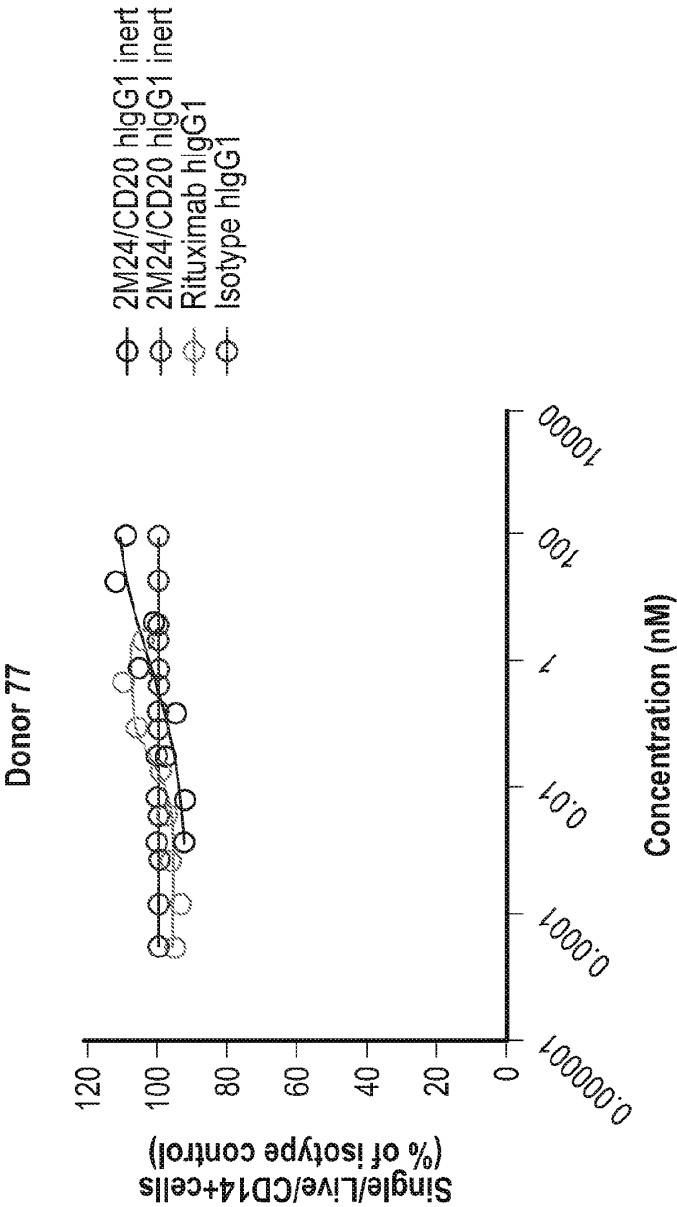


FIG. 35B

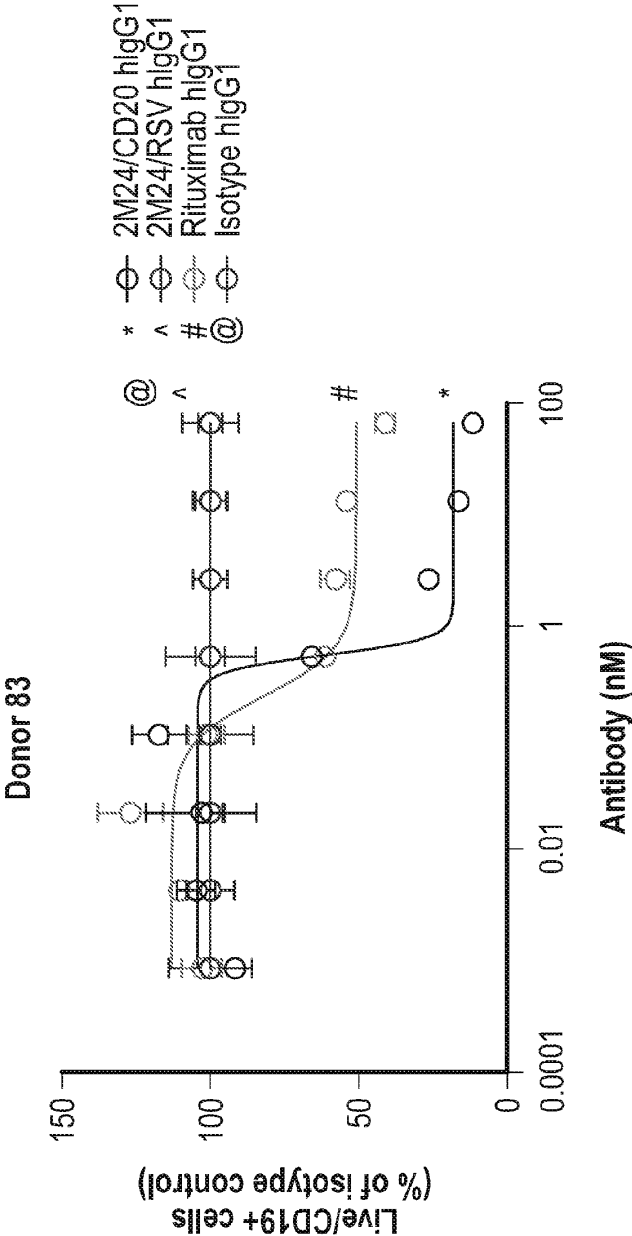


FIG. 36A

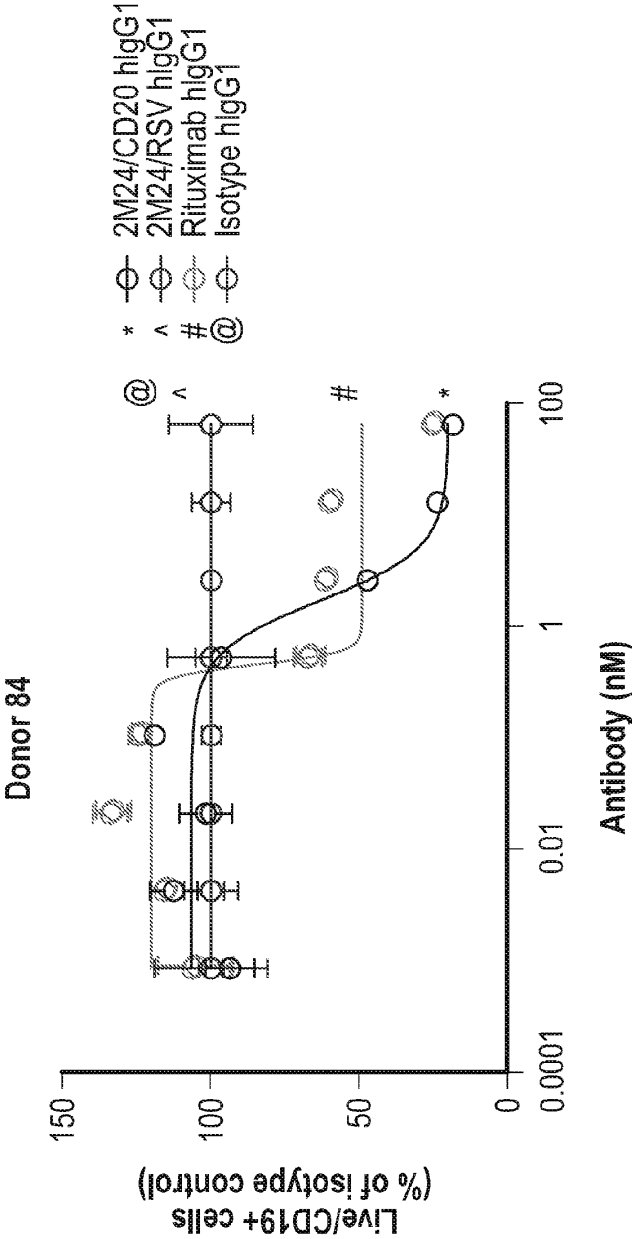


FIG. 36B

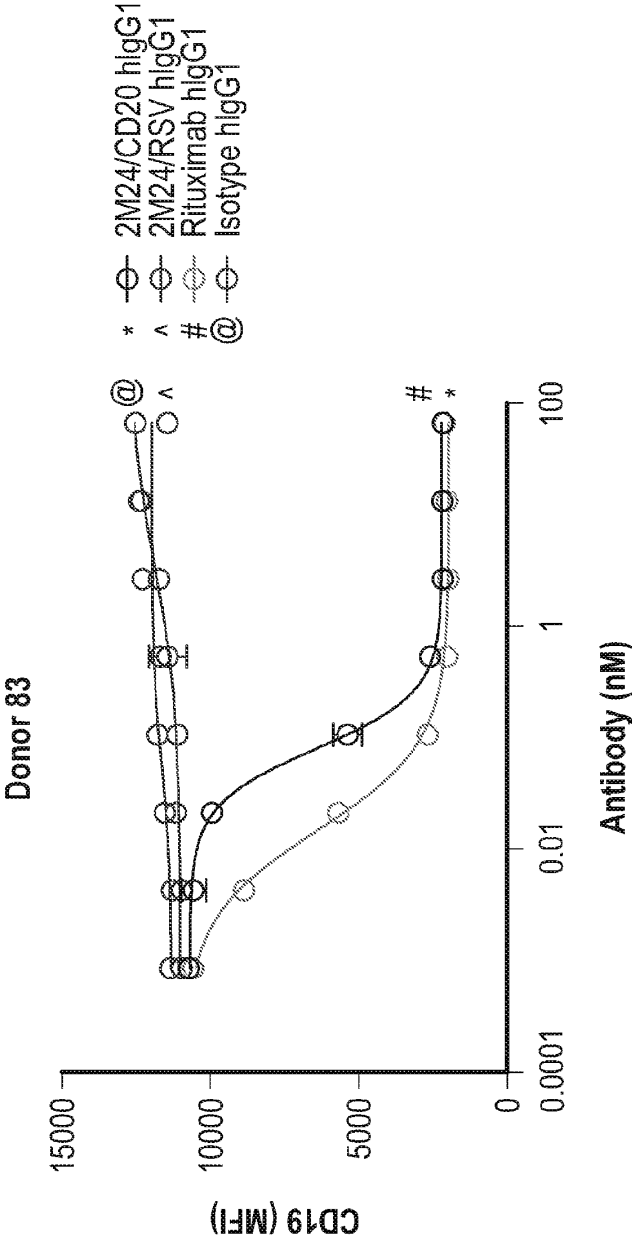


FIG. 37A

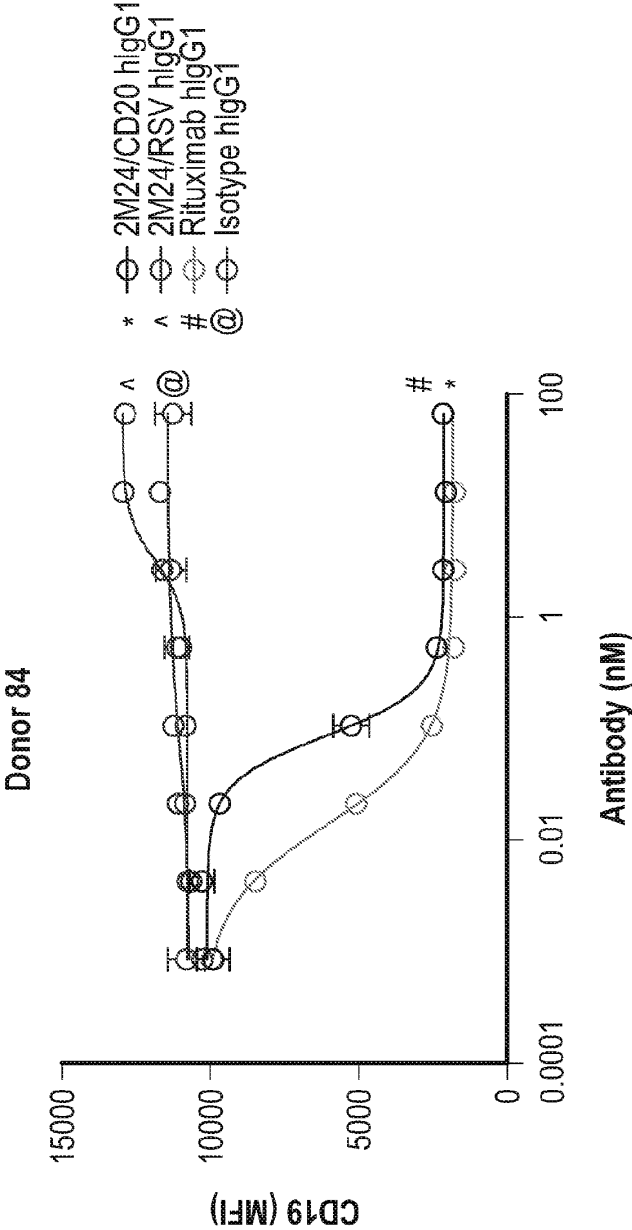


FIG. 37B

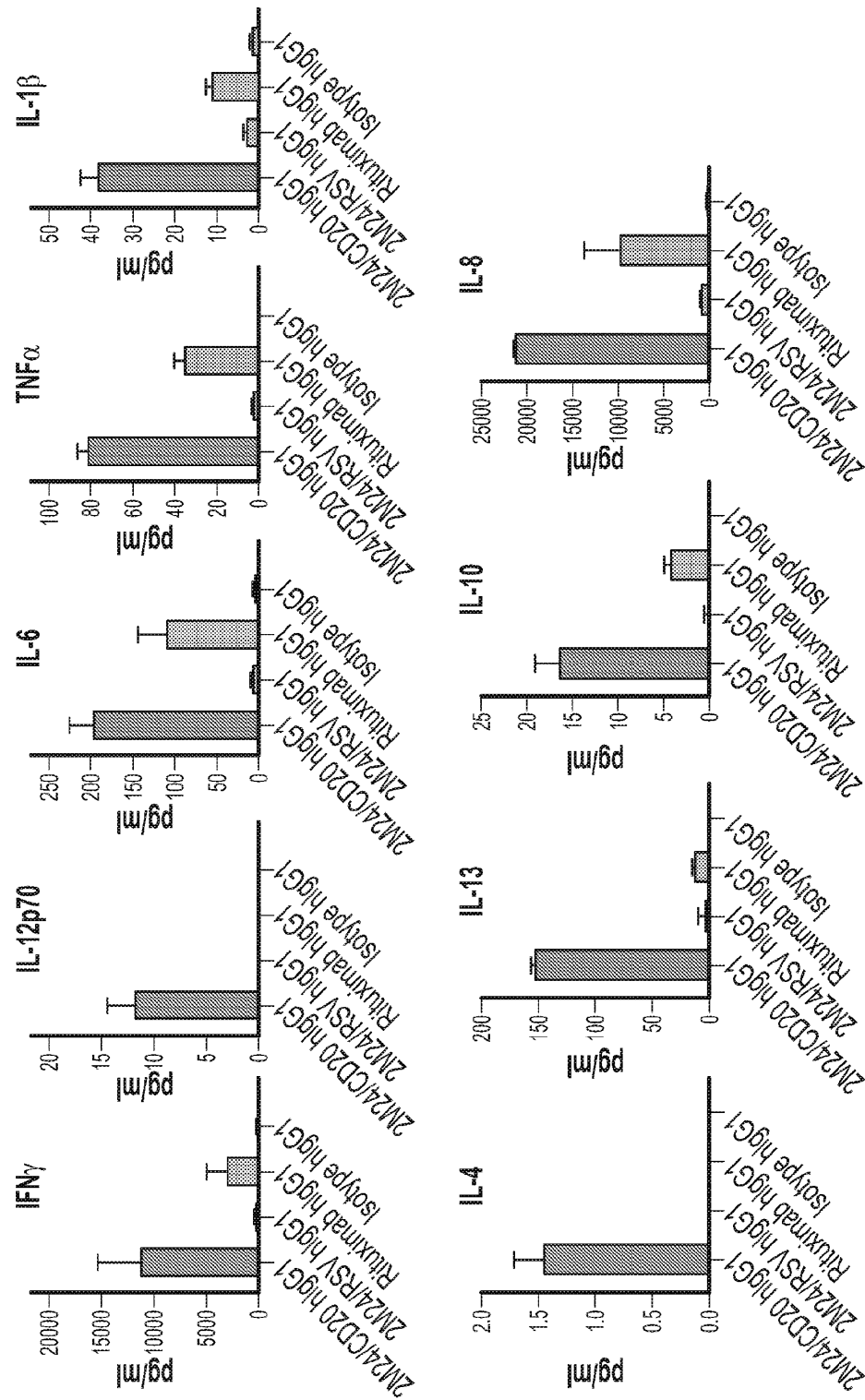


FIG. 38

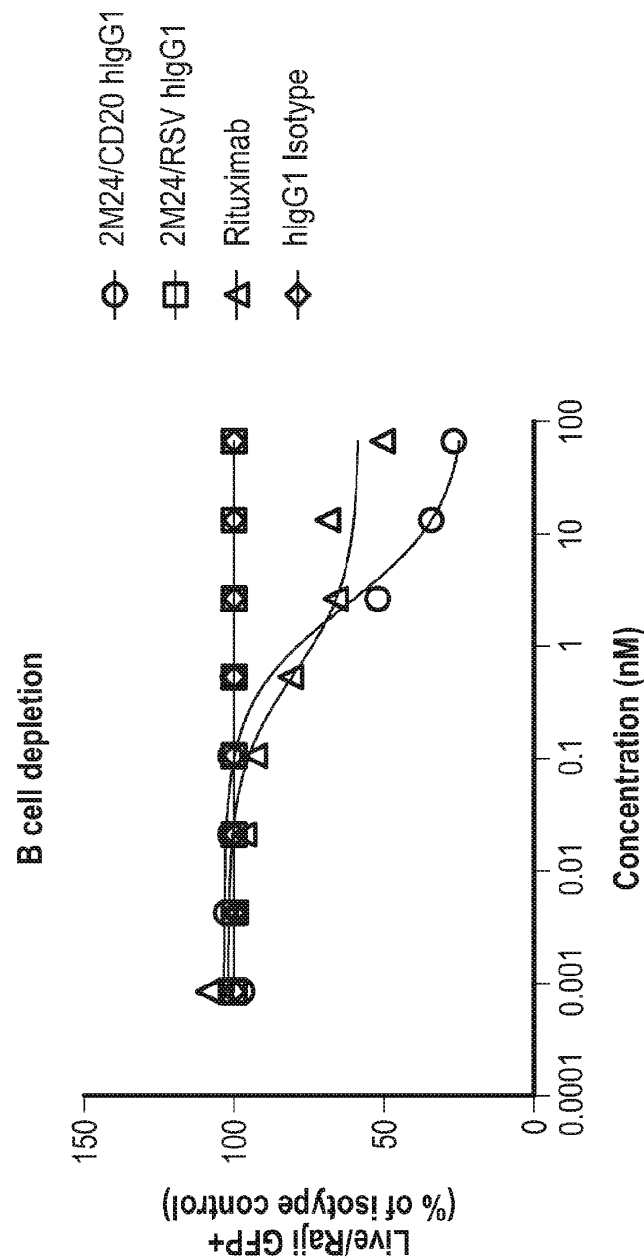


FIG. 39A

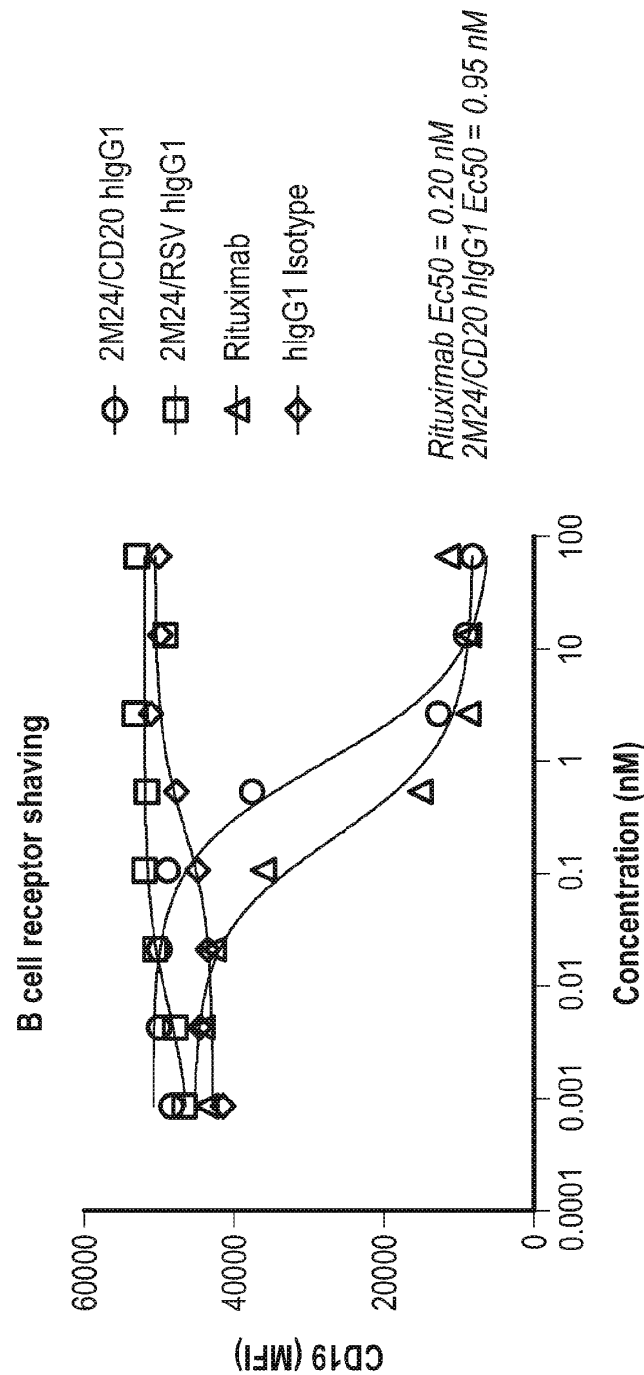


FIG. 39B

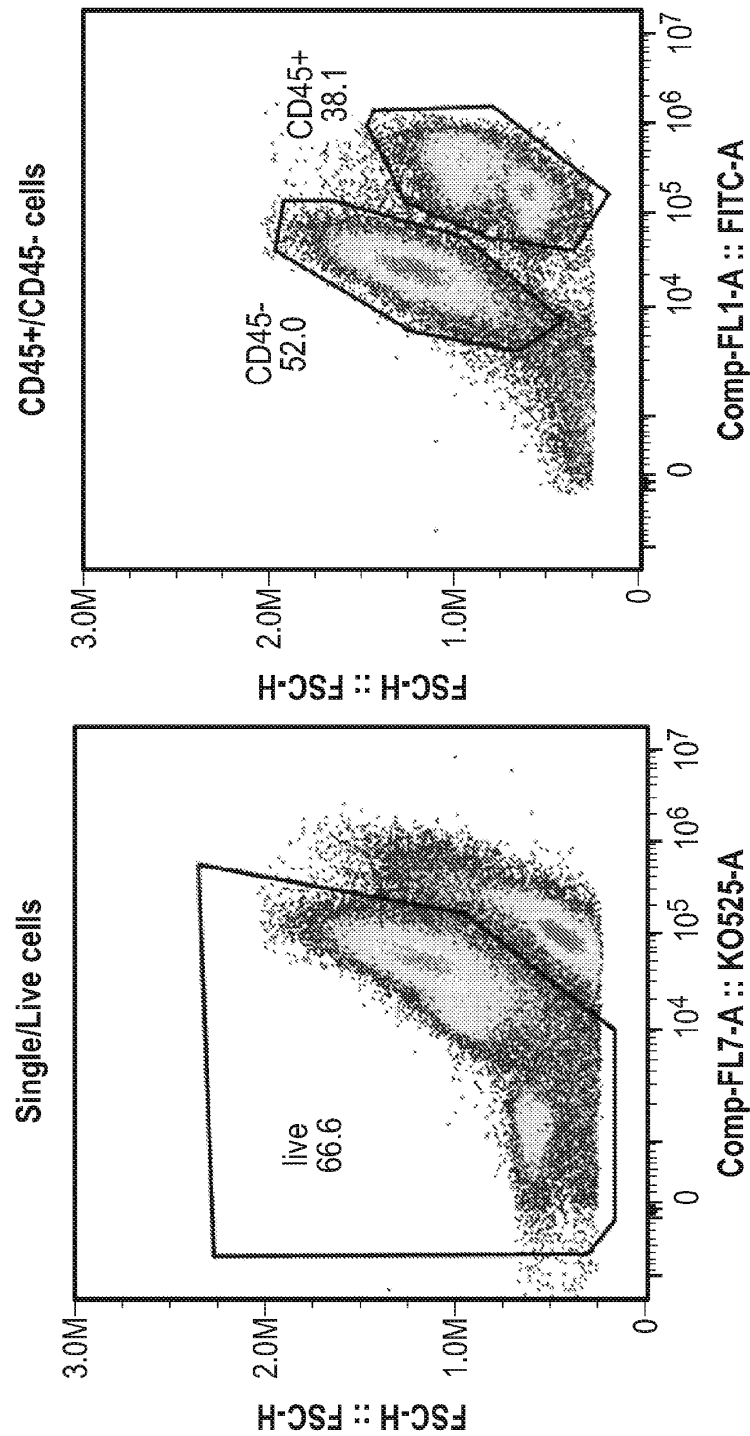


FIG. 40A

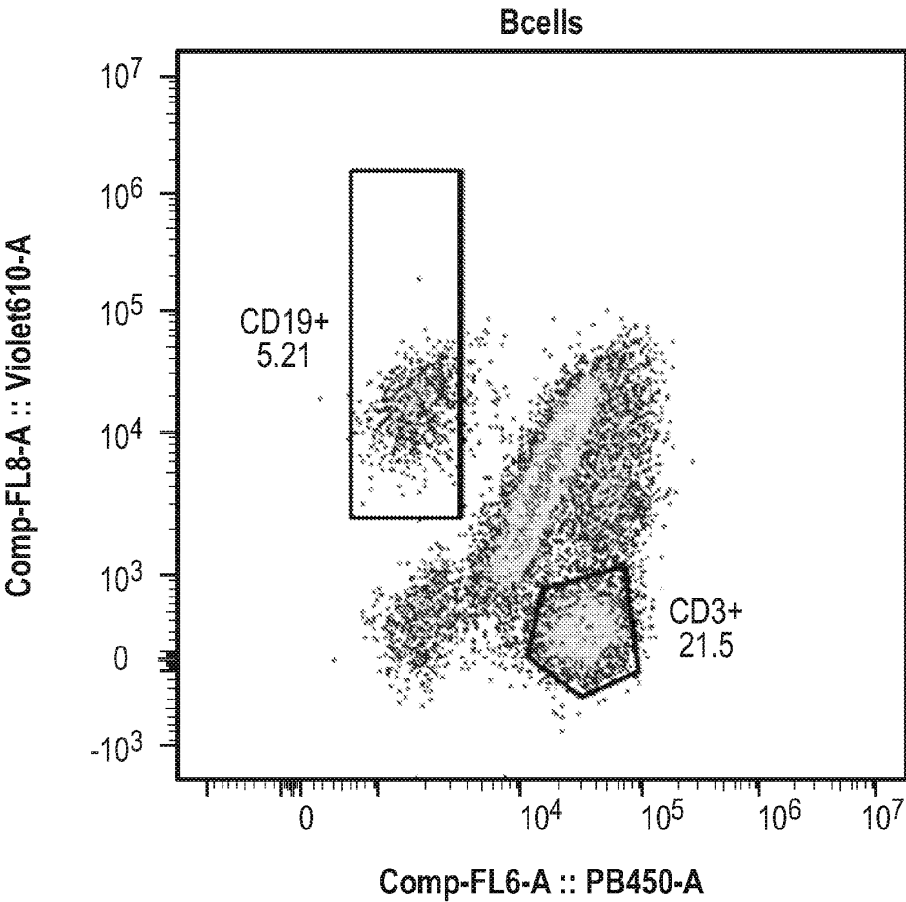


FIG. 40B

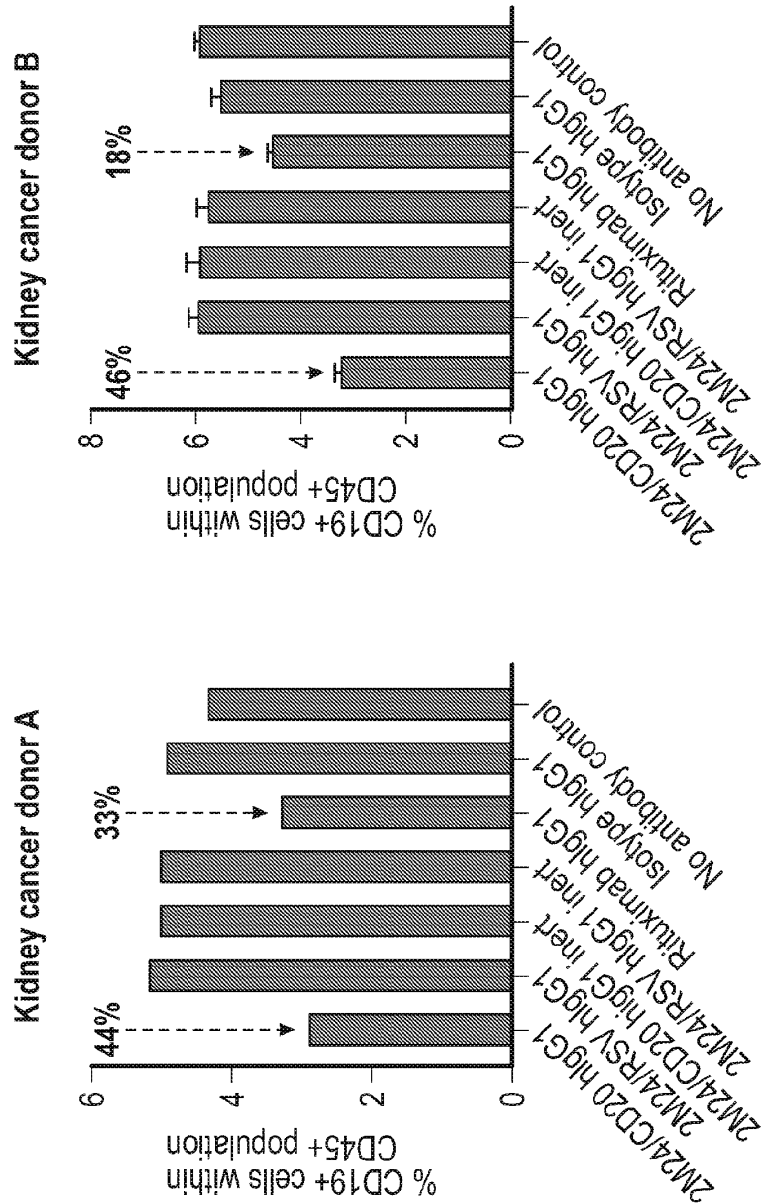


FIG. 40C

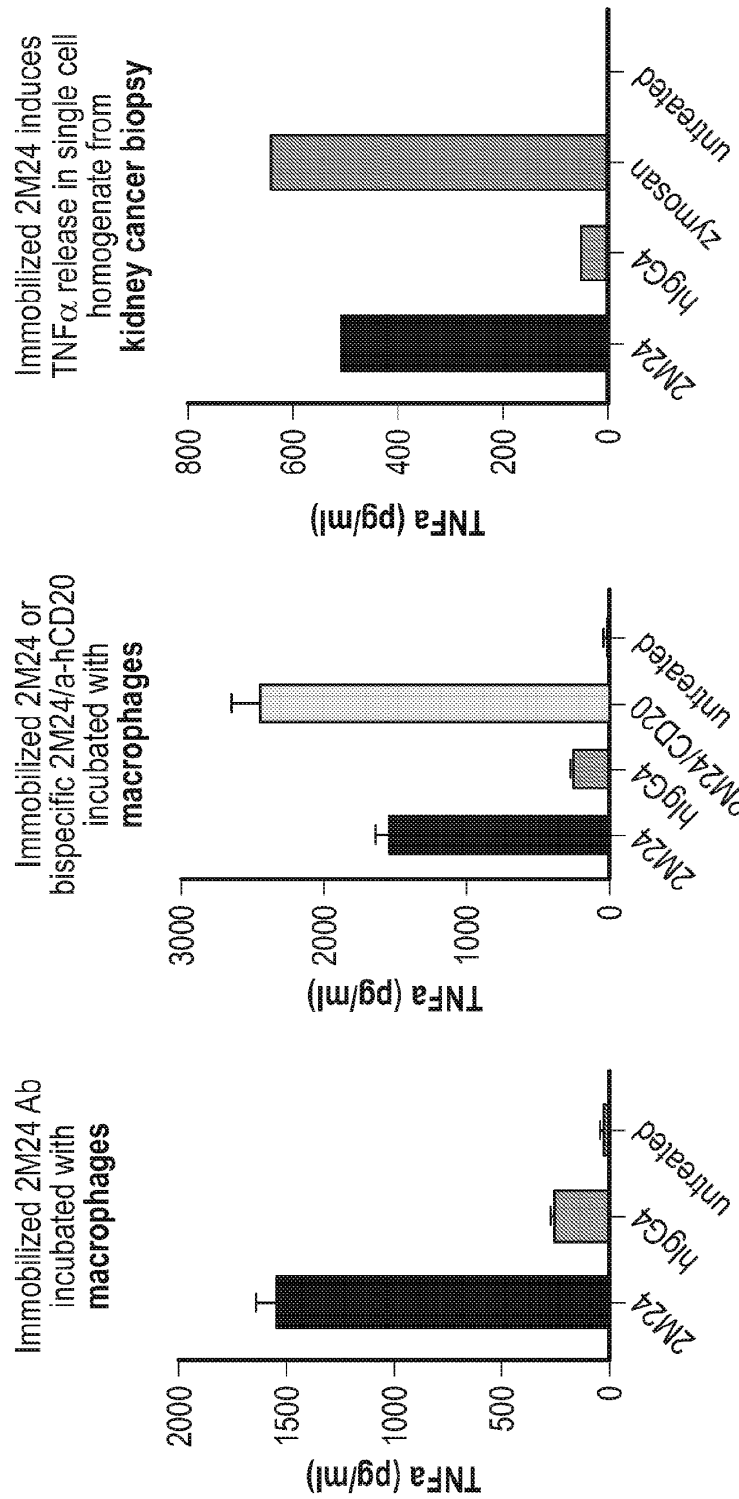


FIG. 41A

FIG. 41B

FIG. 41C

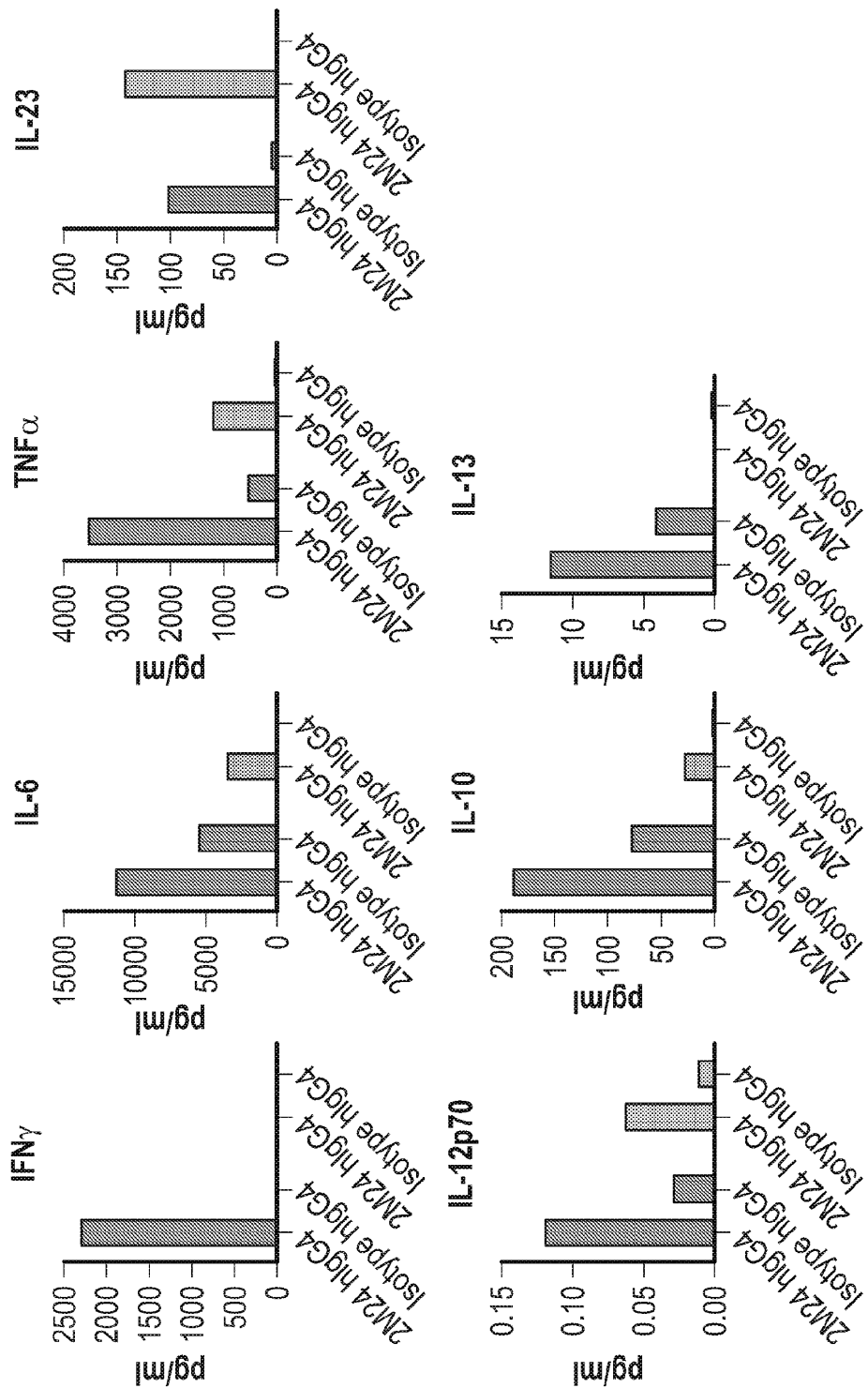


FIG. 42

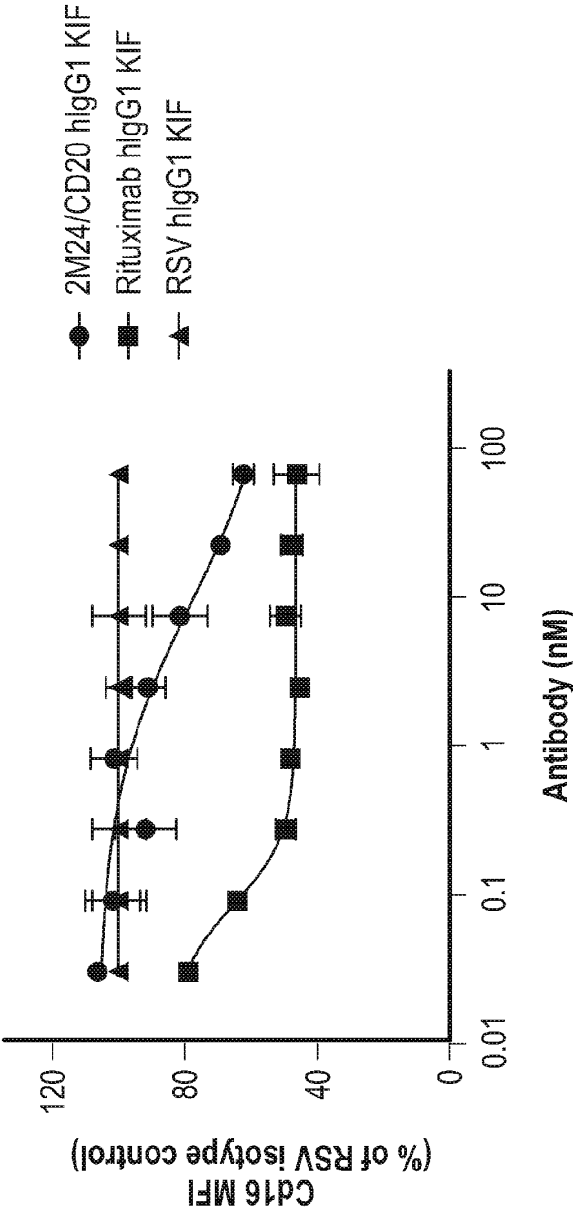


FIG. 43

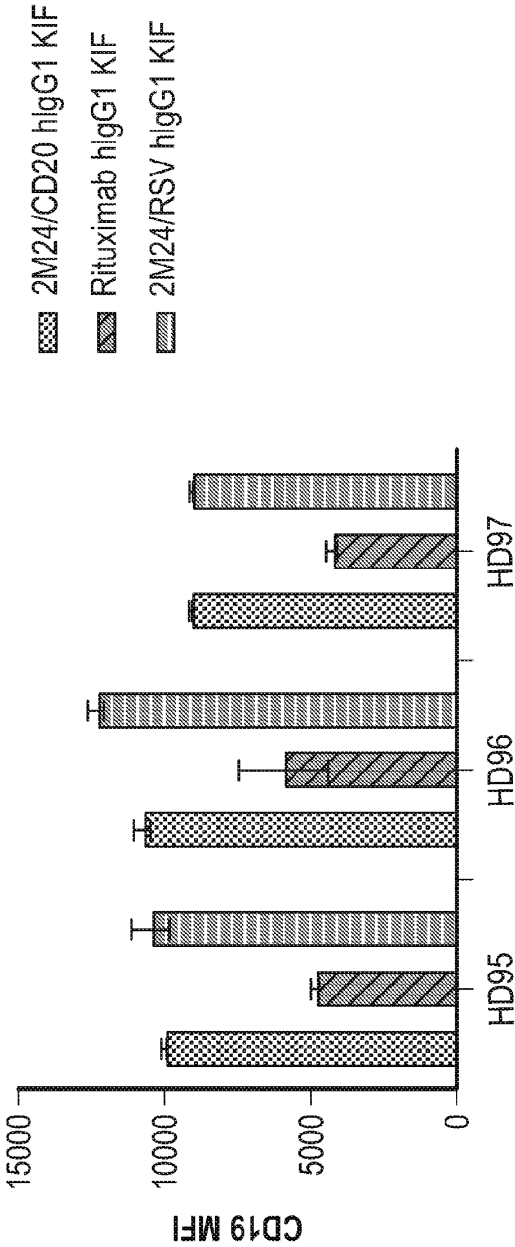


FIG. 44

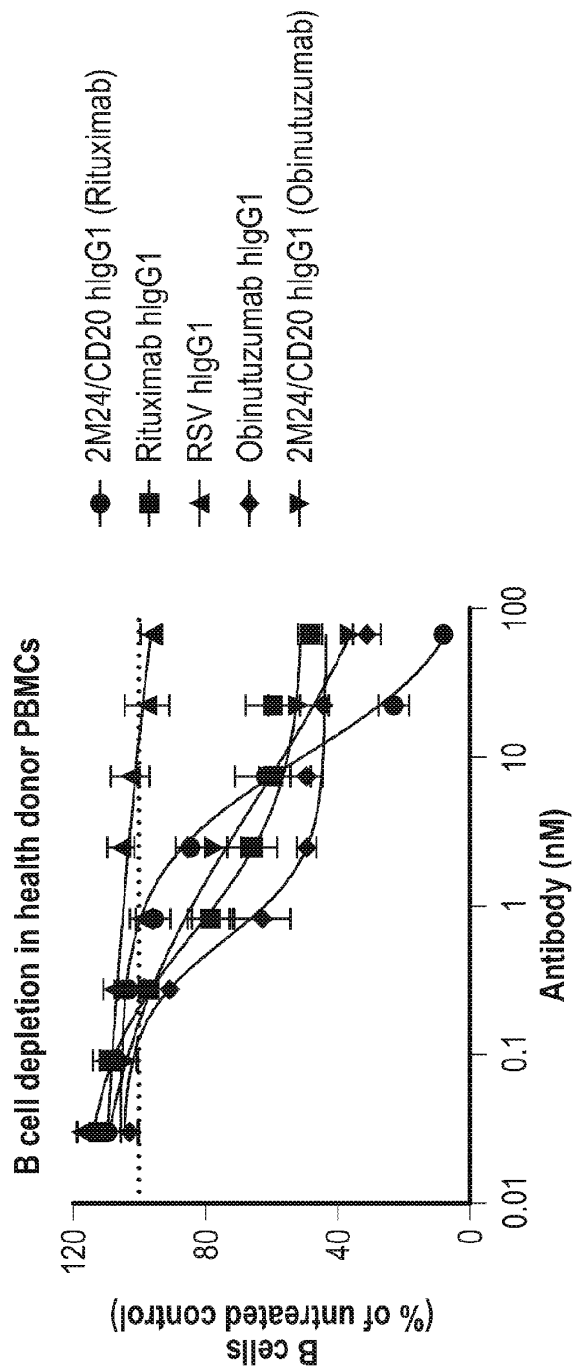


FIG. 45

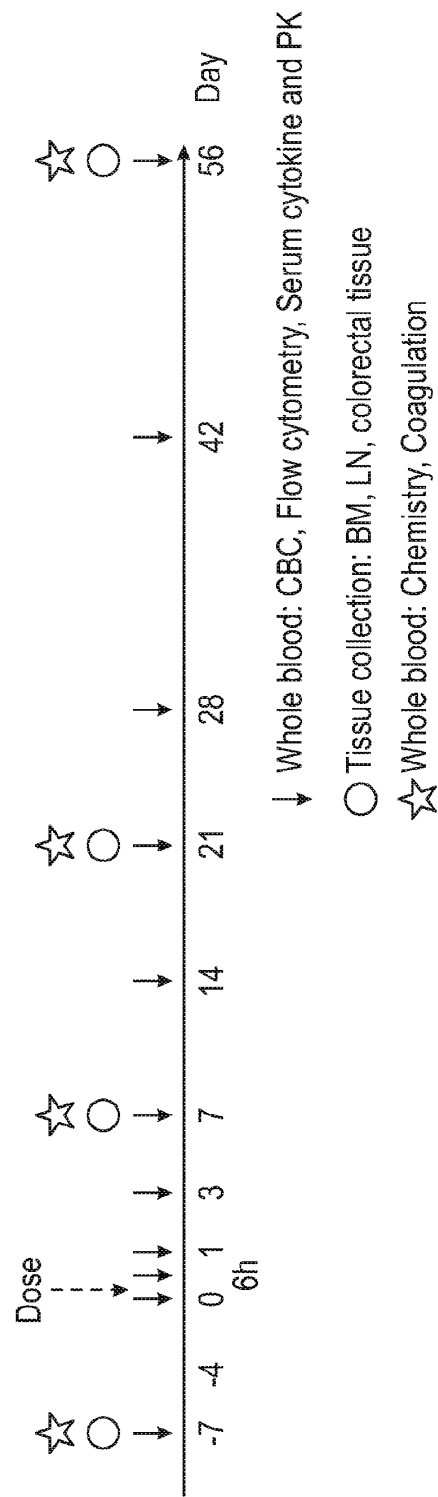


FIG. 46

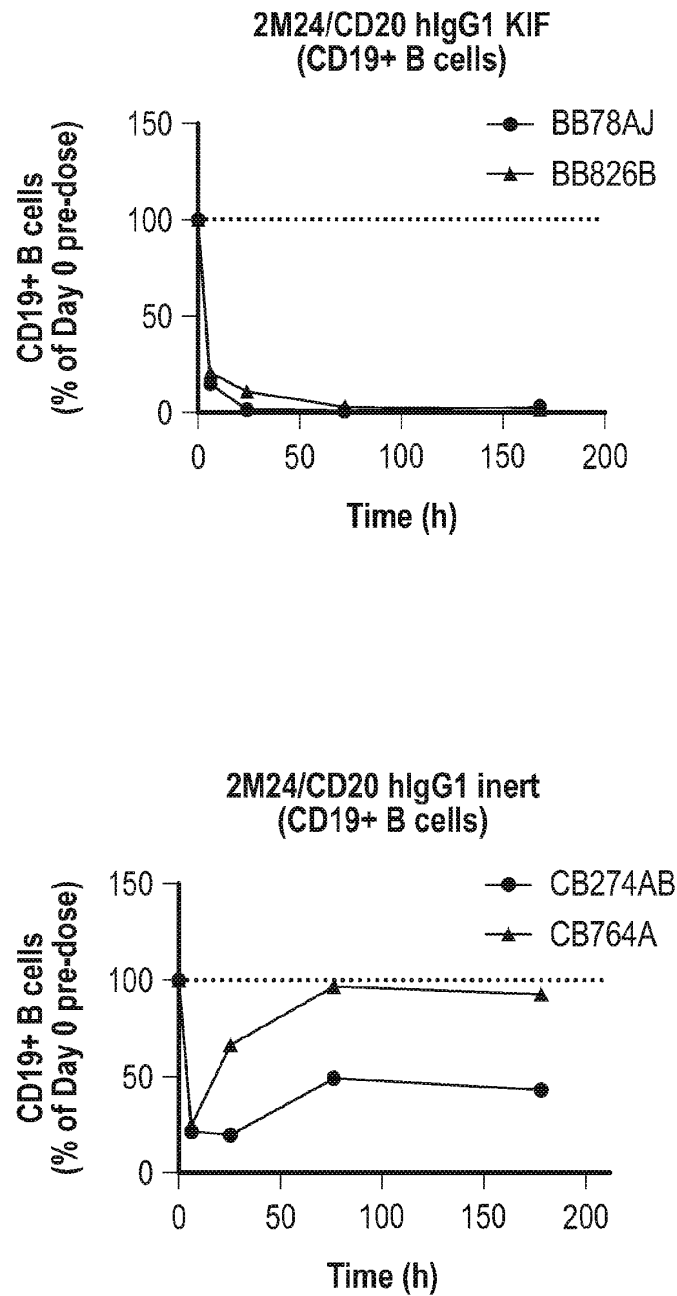


FIG. 47

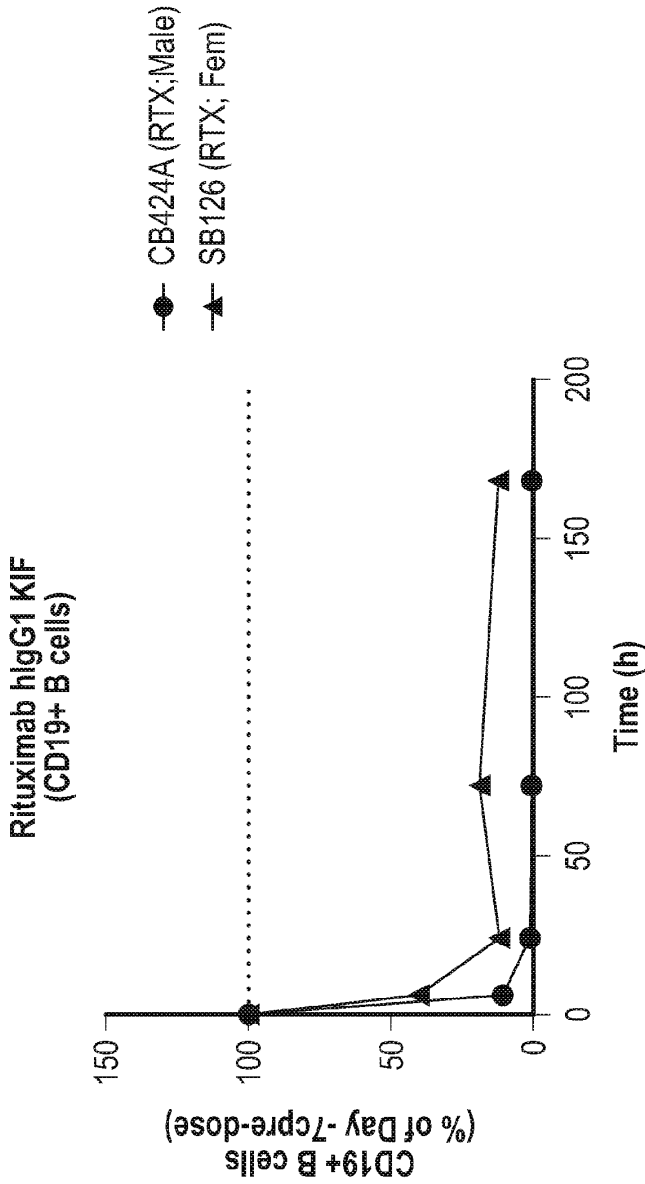


FIG. 48

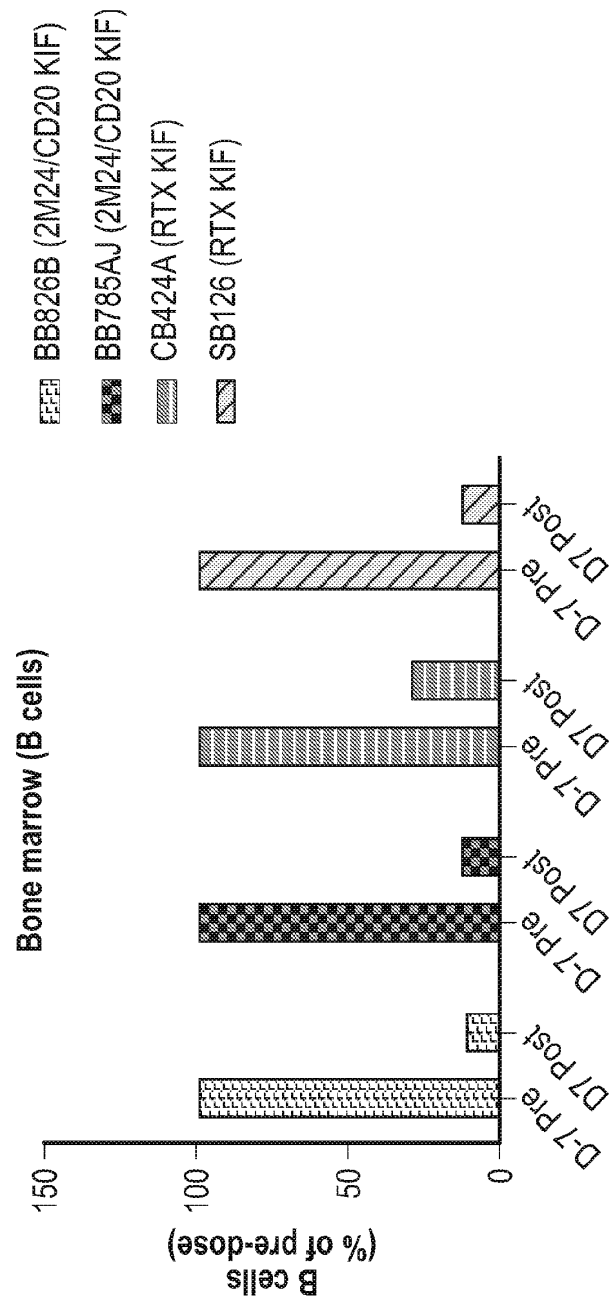


FIG. 49A

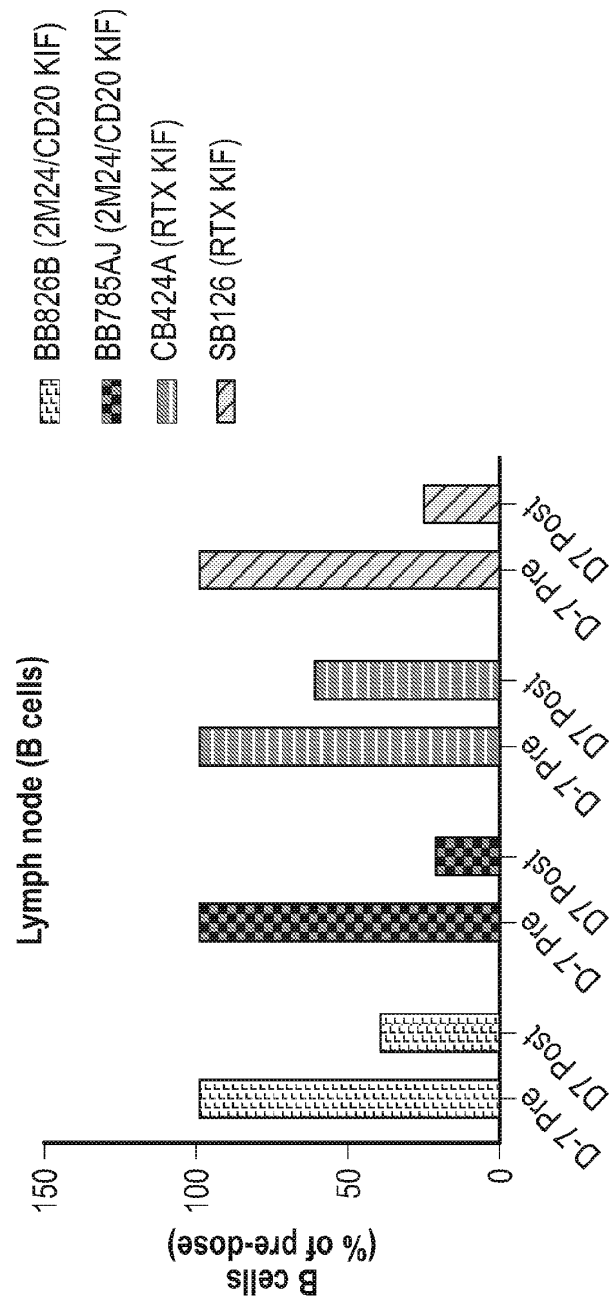


FIG. 49B

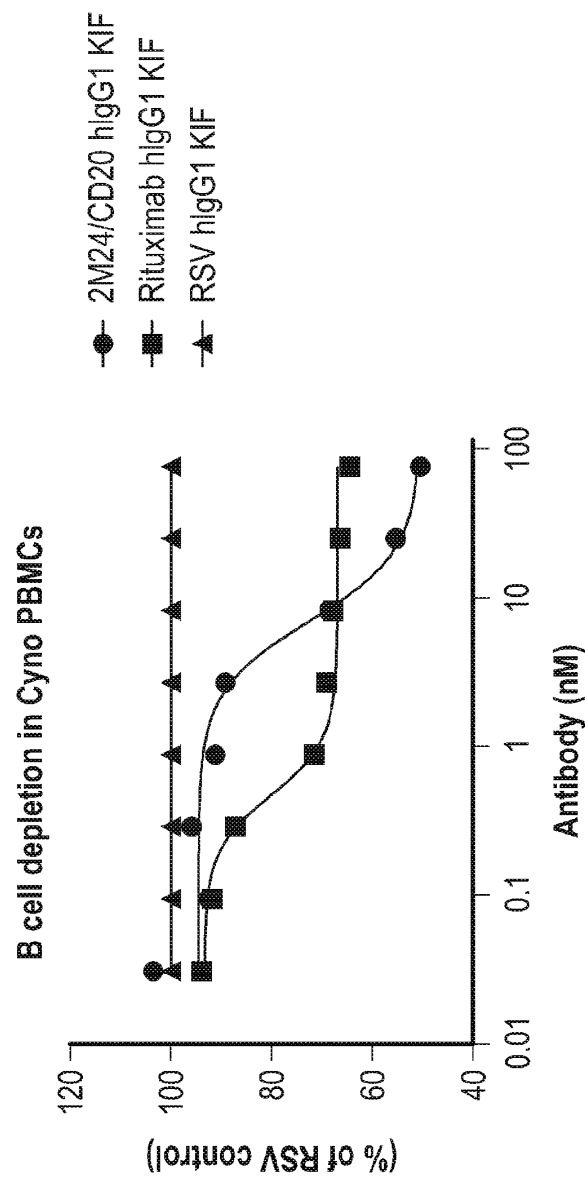


FIG. 50

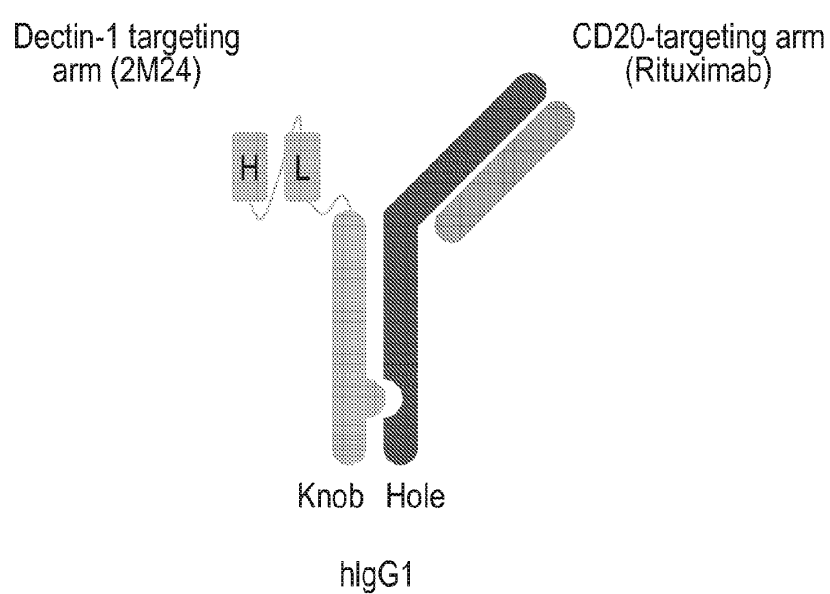


FIG. 51

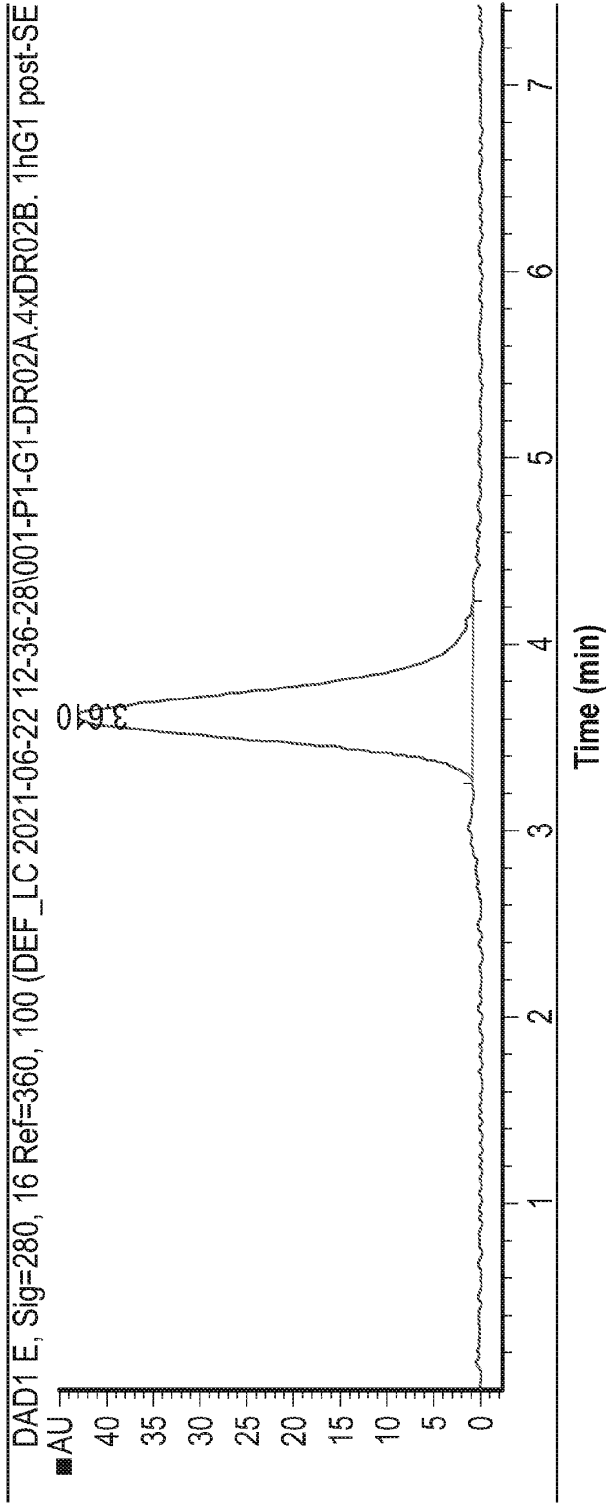


FIG. 52A

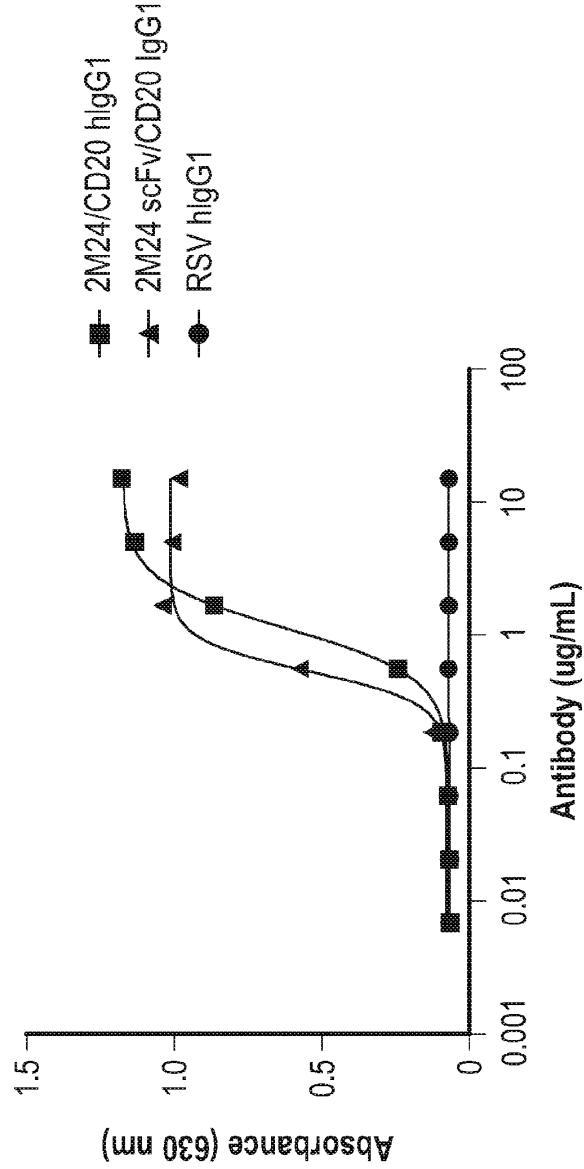


FIG. 52B

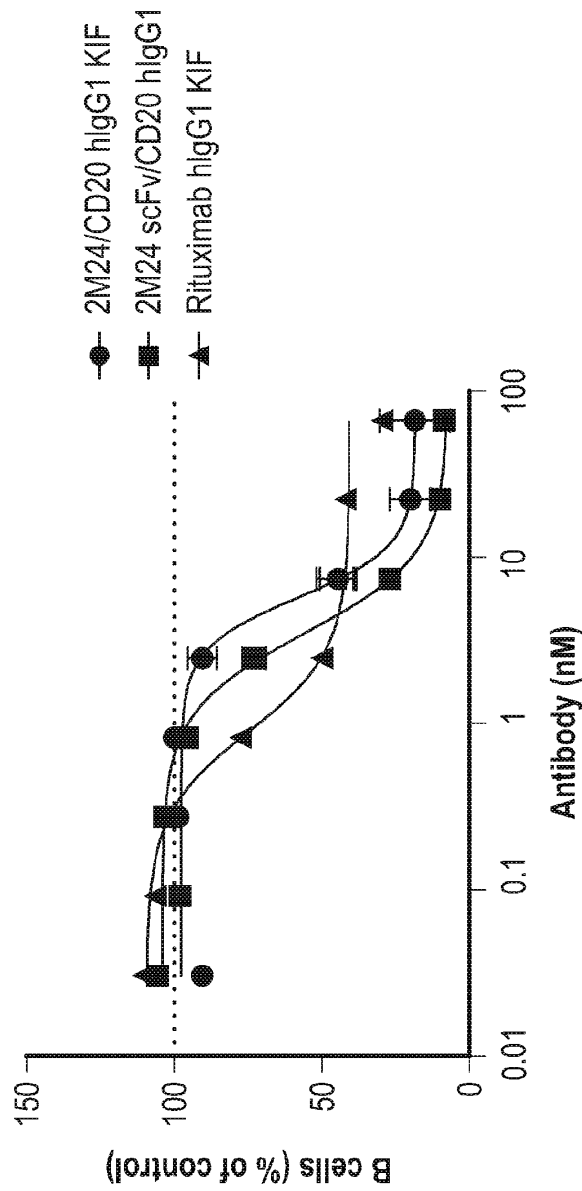


FIG. 52C

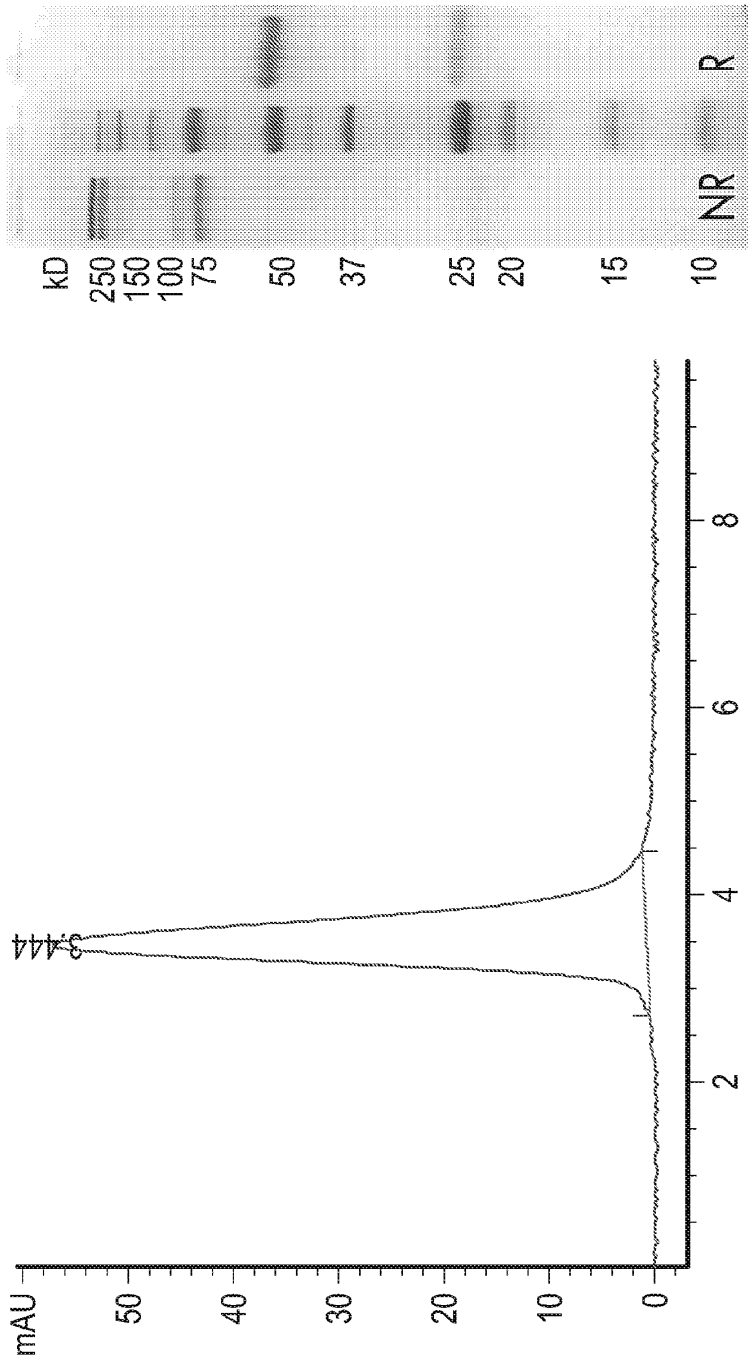


FIG. 53A

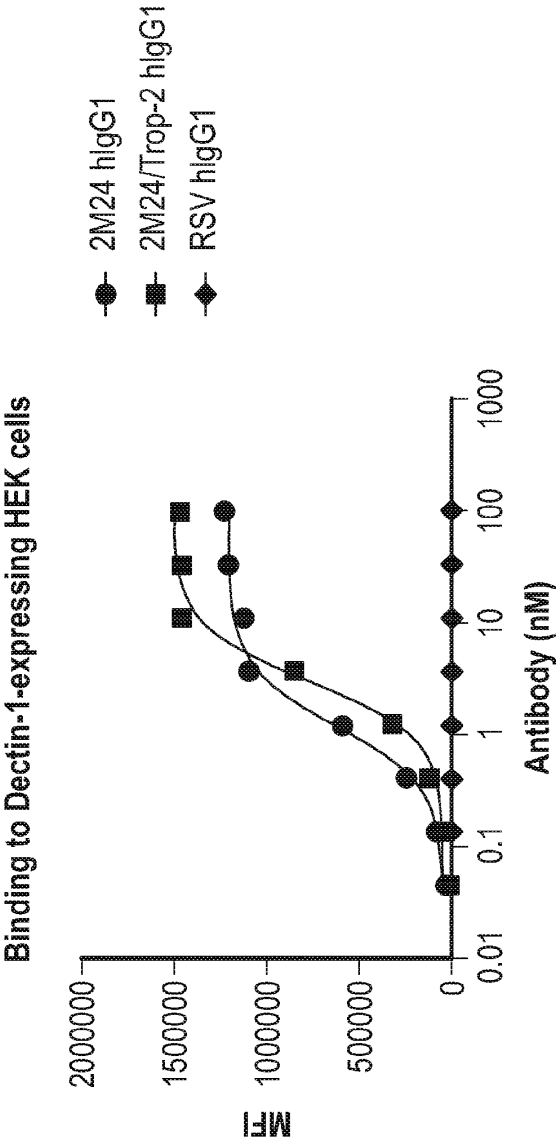


FIG. 53B

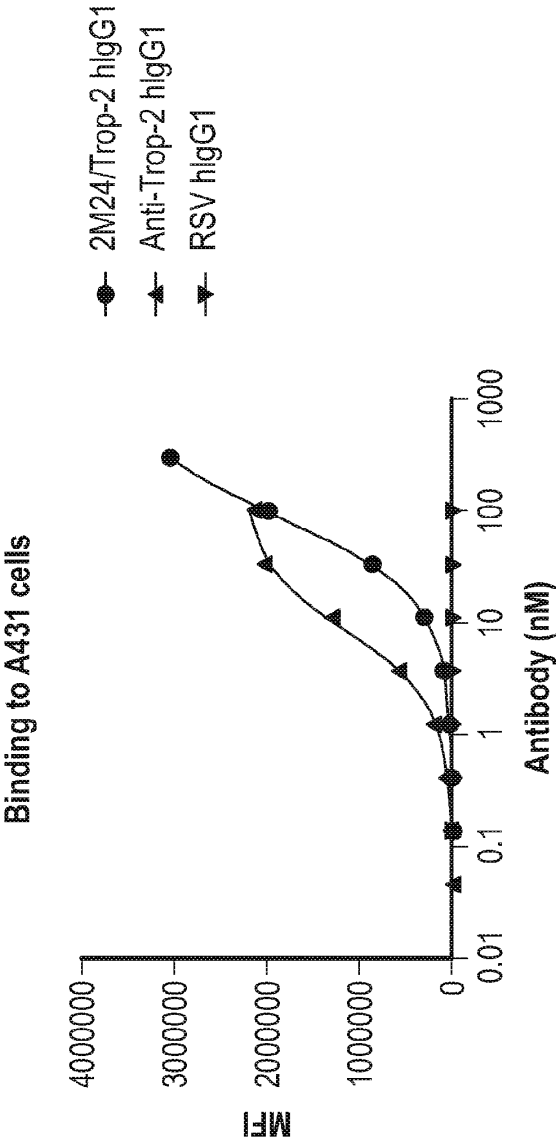


FIG. 53C

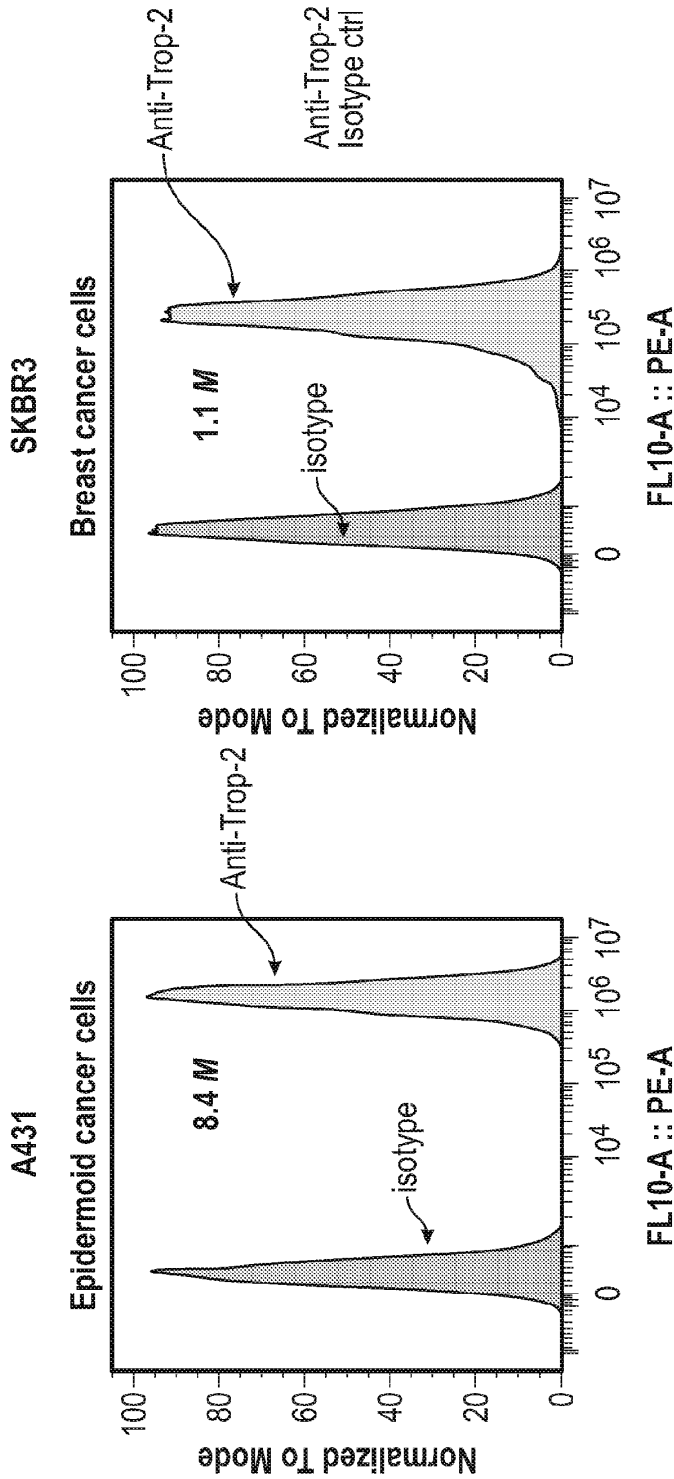


FIG. 54

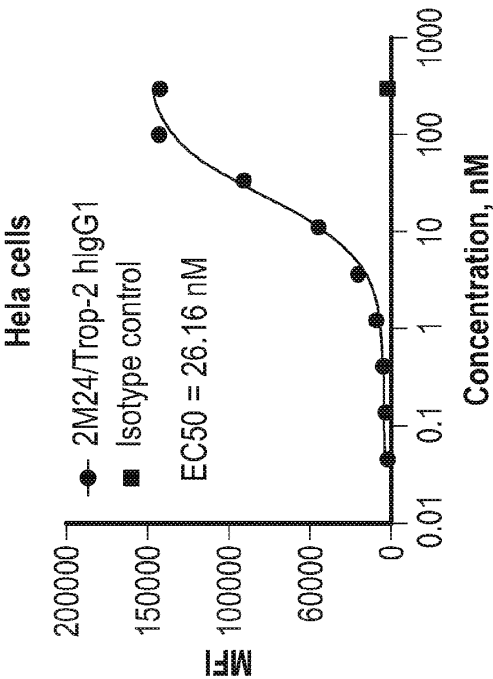


FIG. 55A

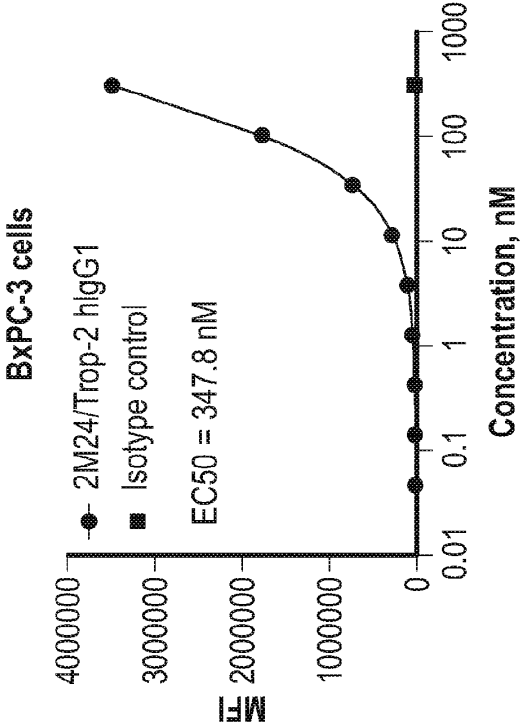


FIG. 55B

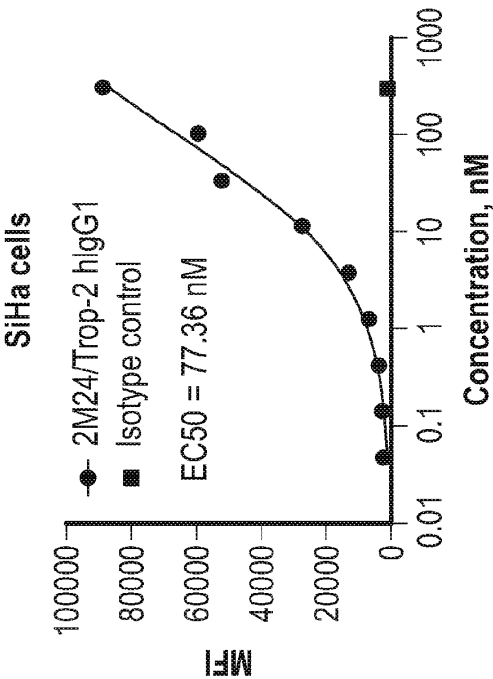


FIG. 55C

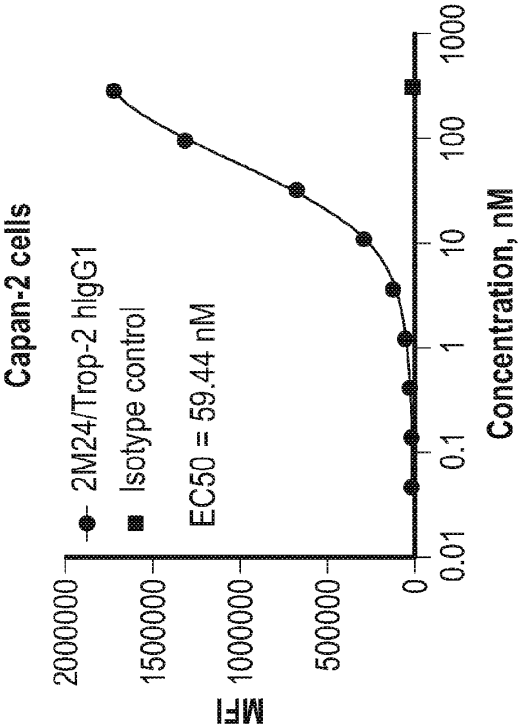


FIG. 55D

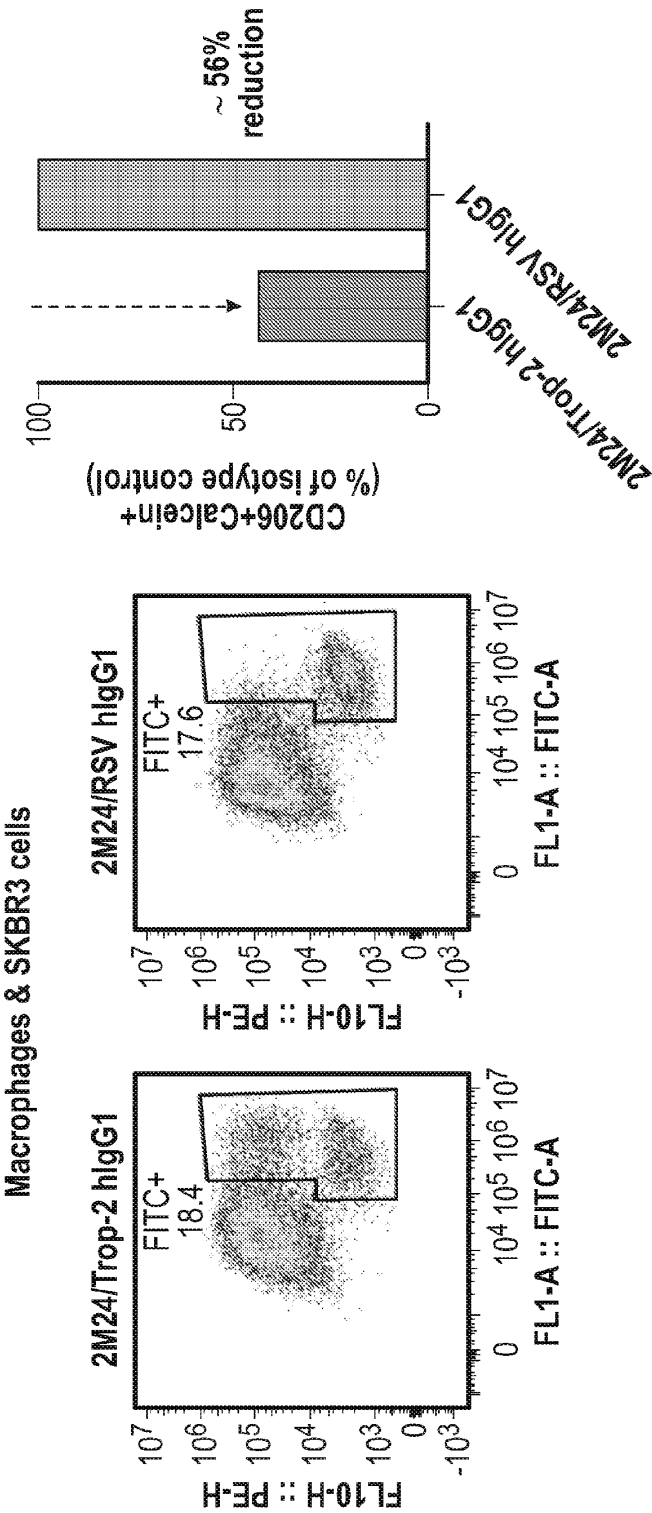


FIG. 56A

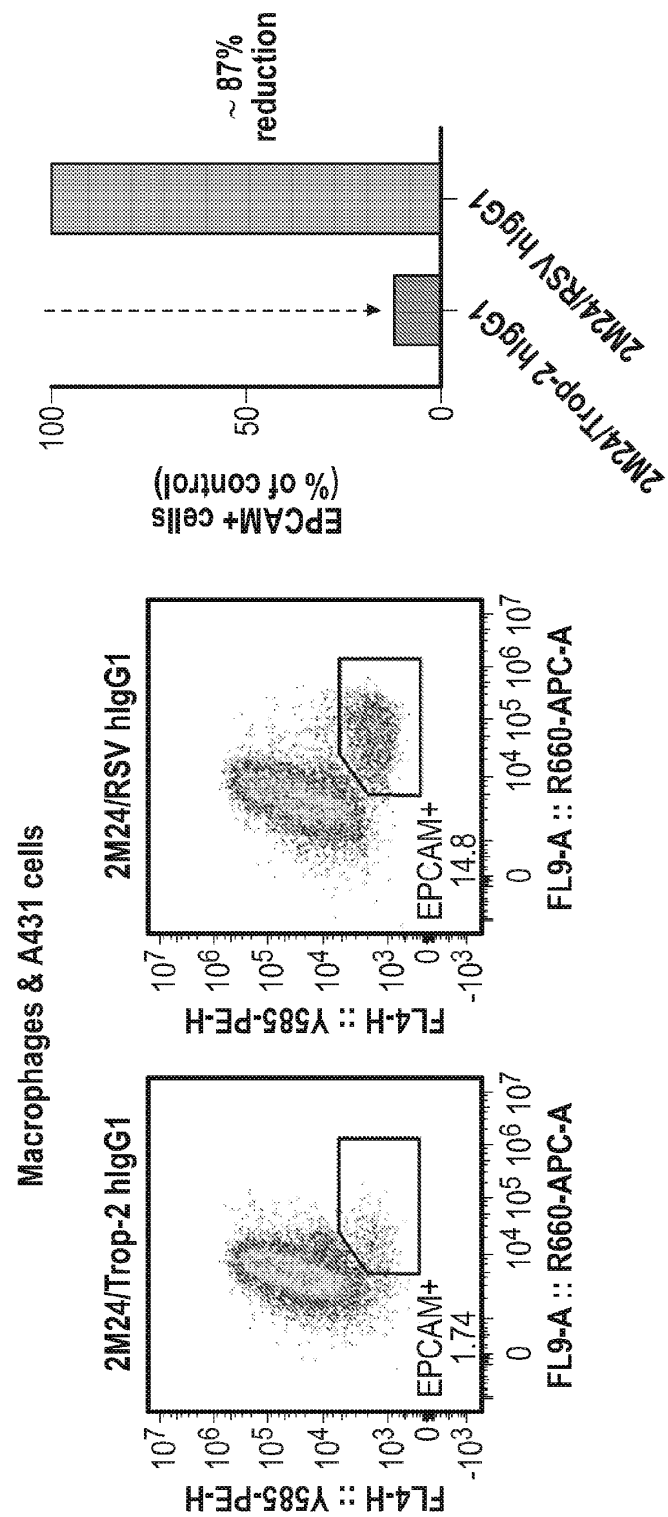


FIG. 56B

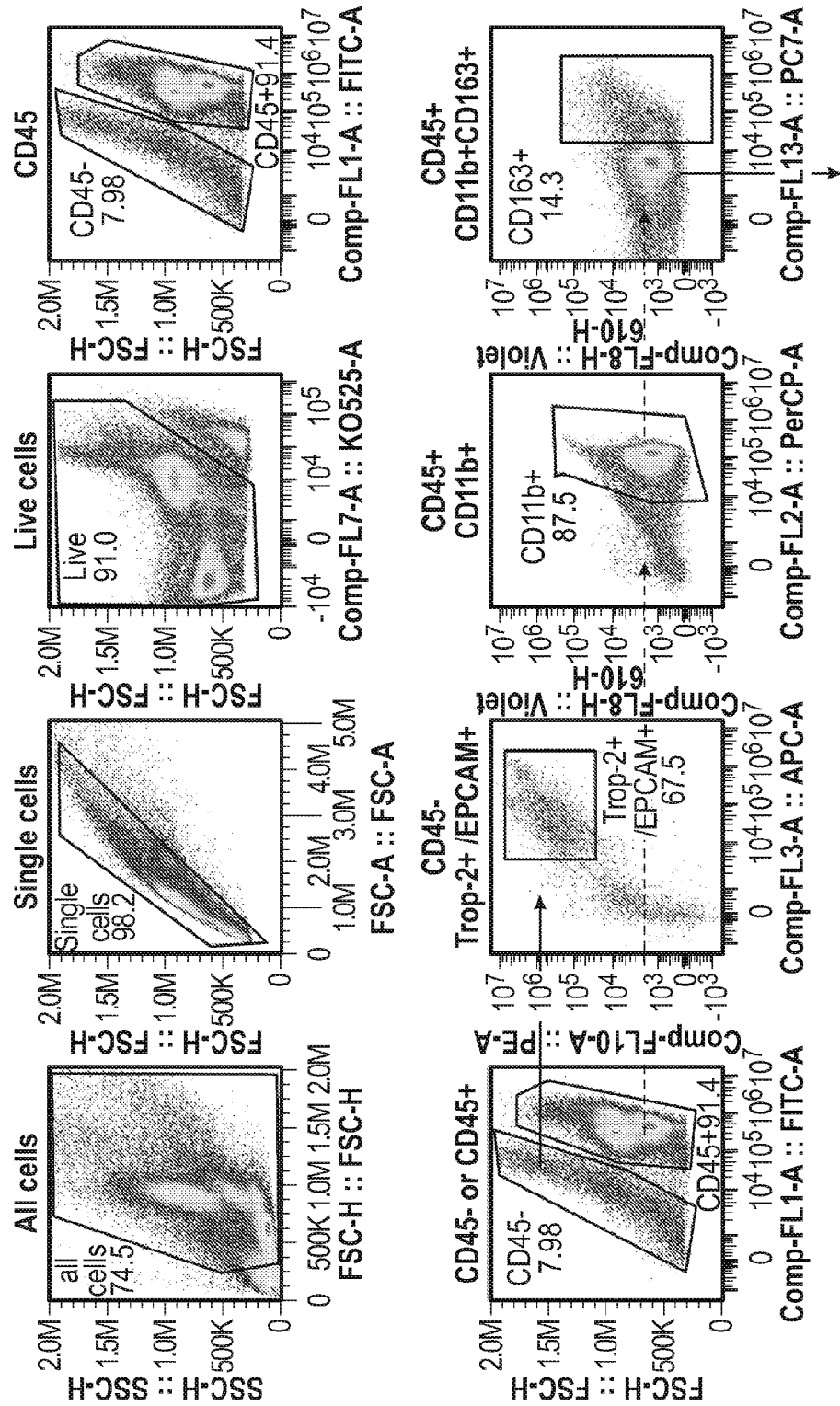


FIG. 57A

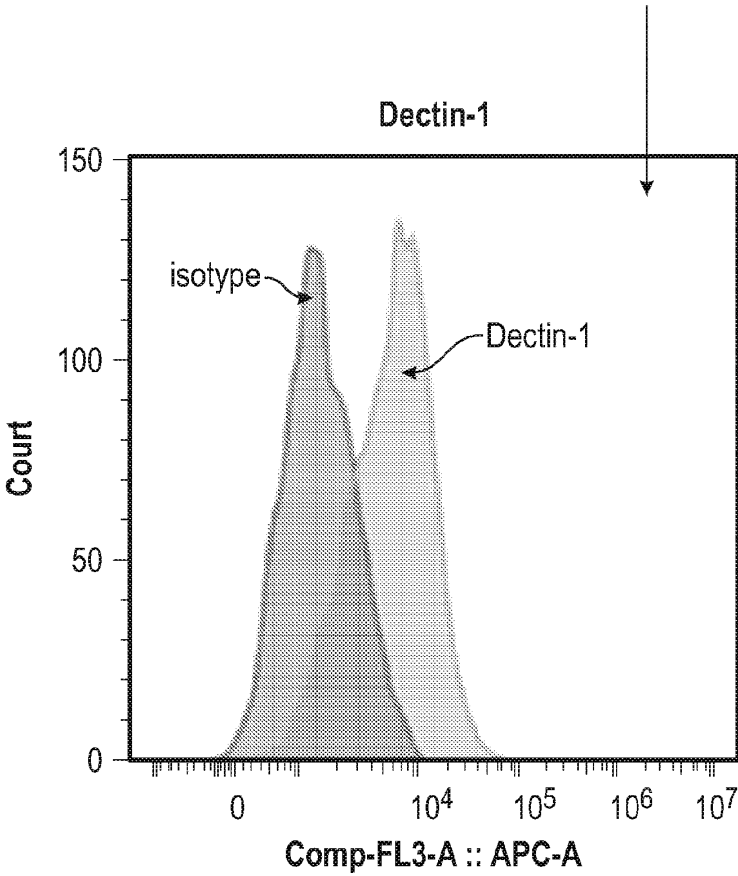


FIG. 57B

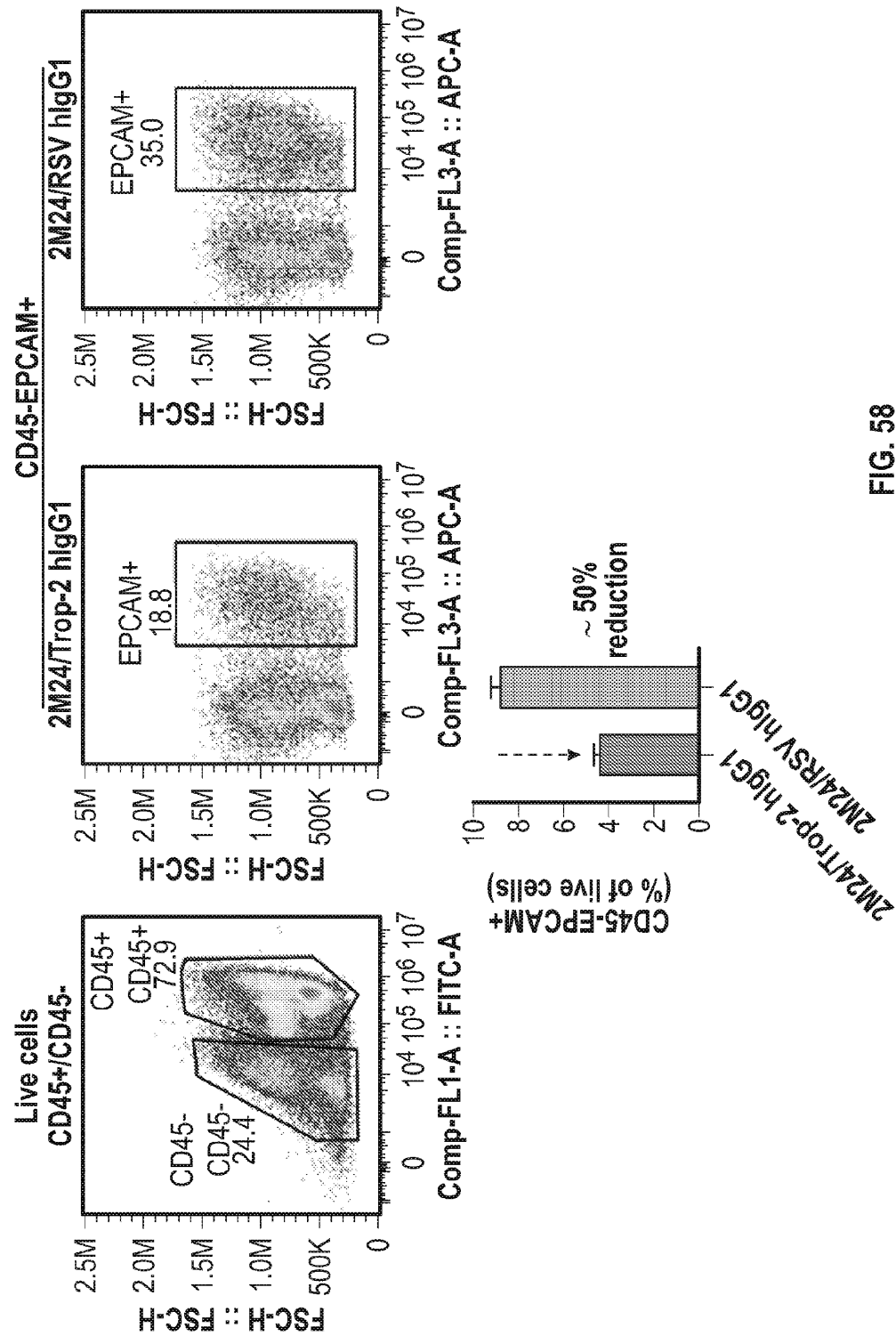


FIG. 58

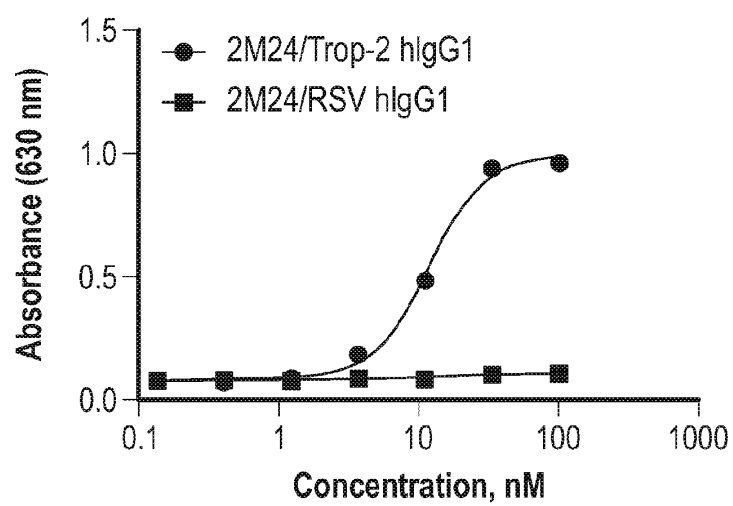


FIG. 59A

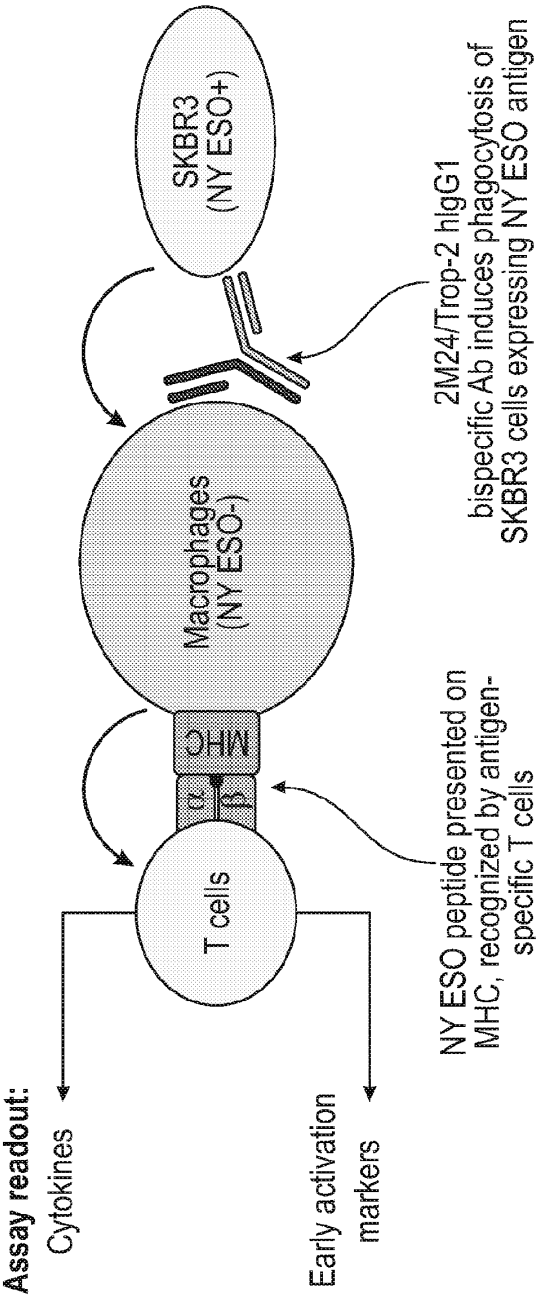


FIG. 59B

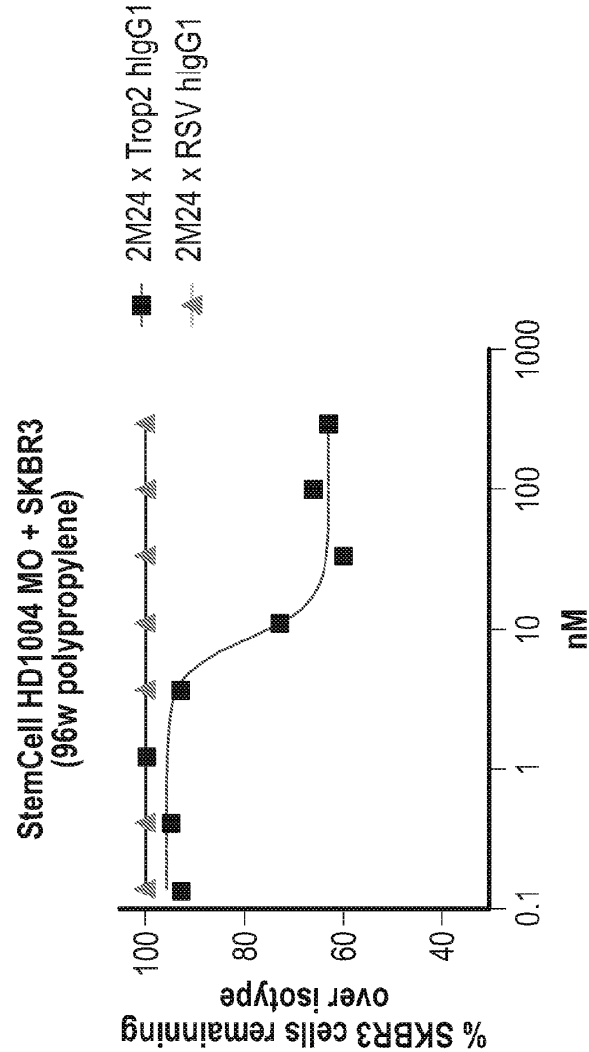


FIG. 59C

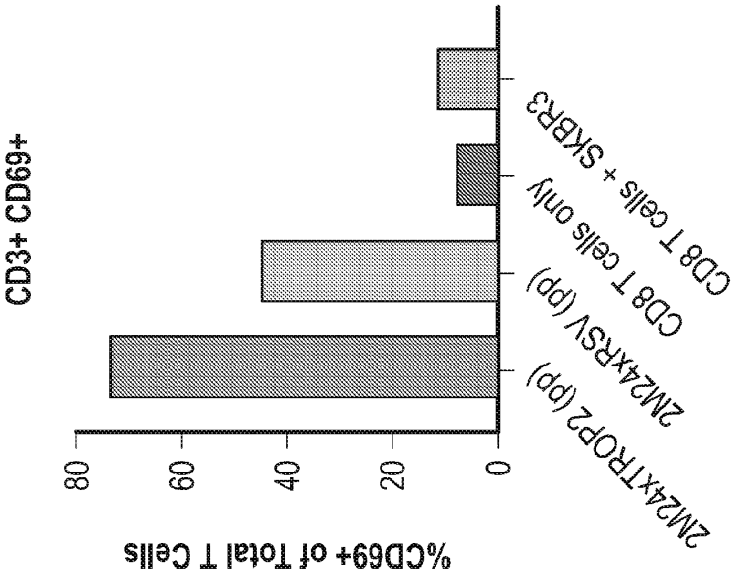


FIG. 59E

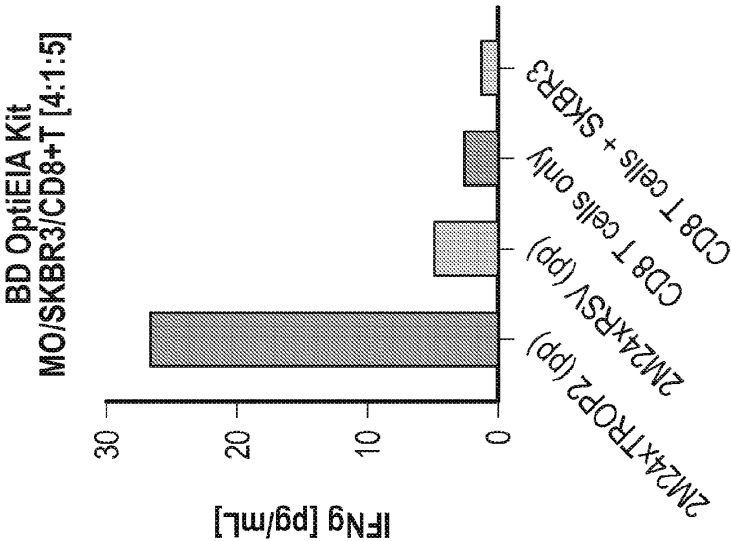


FIG. 59D

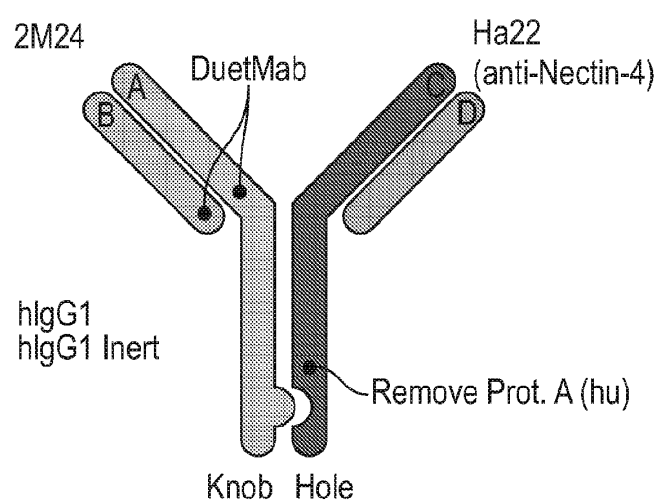


FIG. 60A

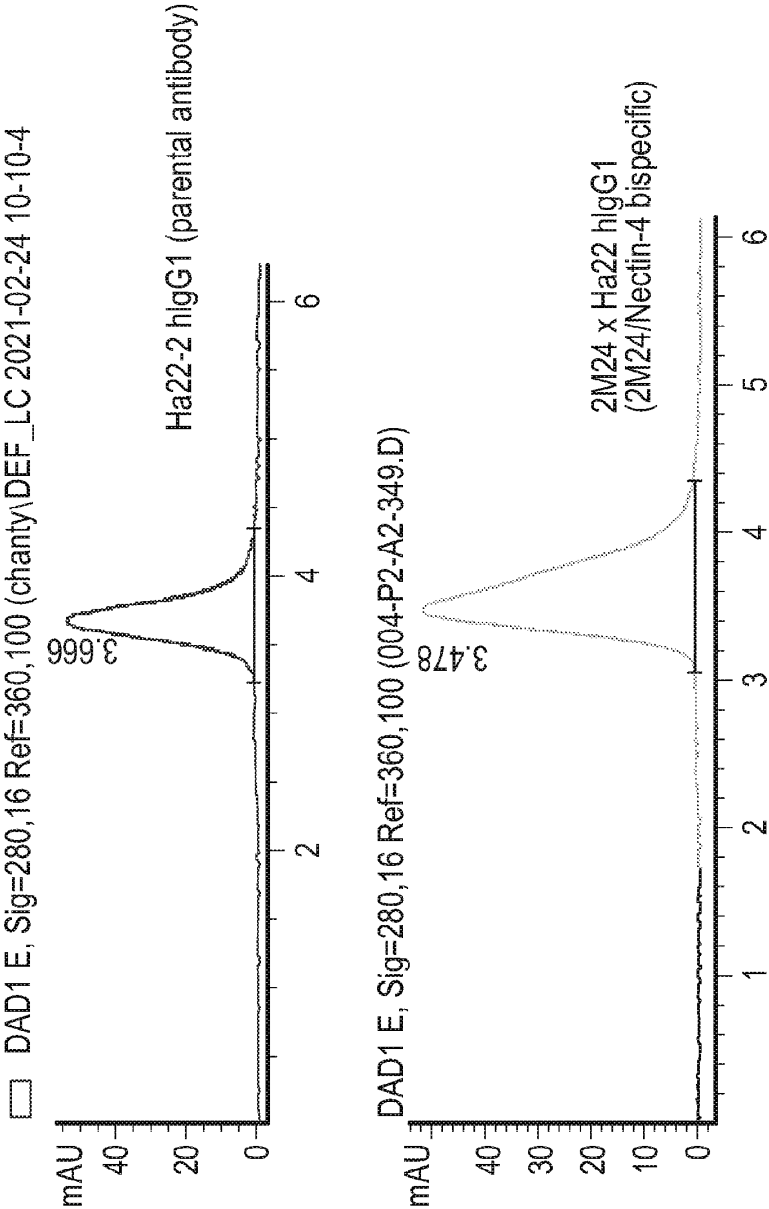


FIG. 60B

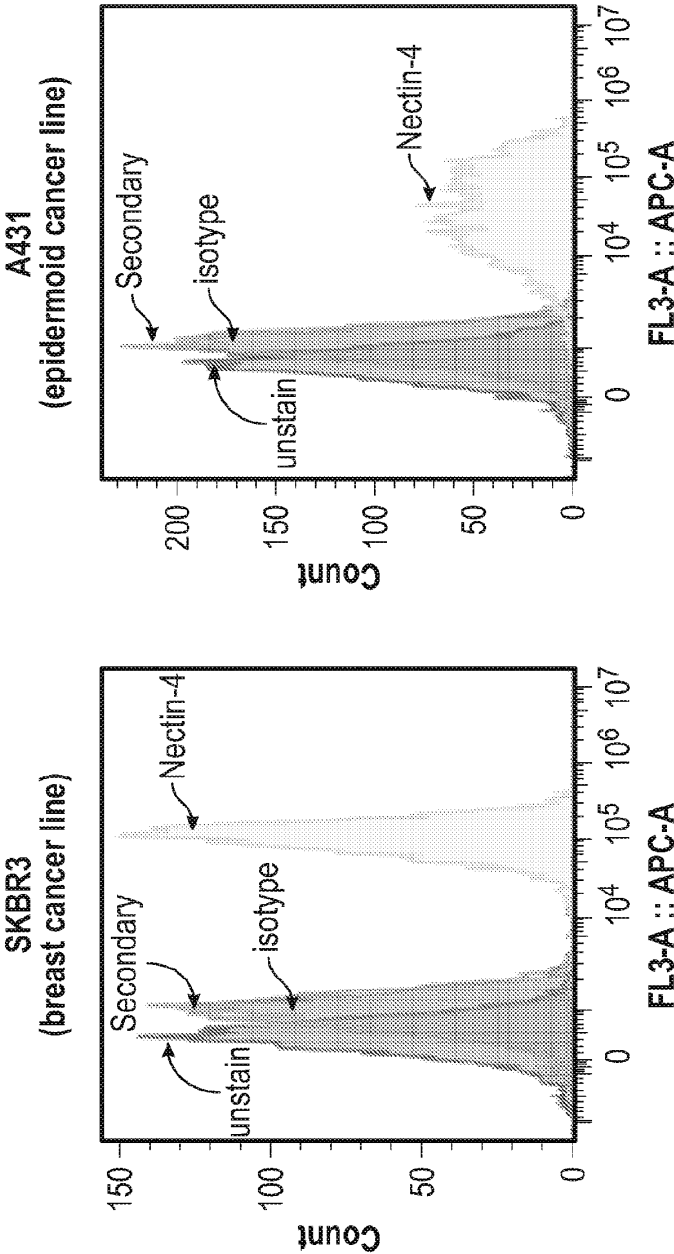


FIG. 61A

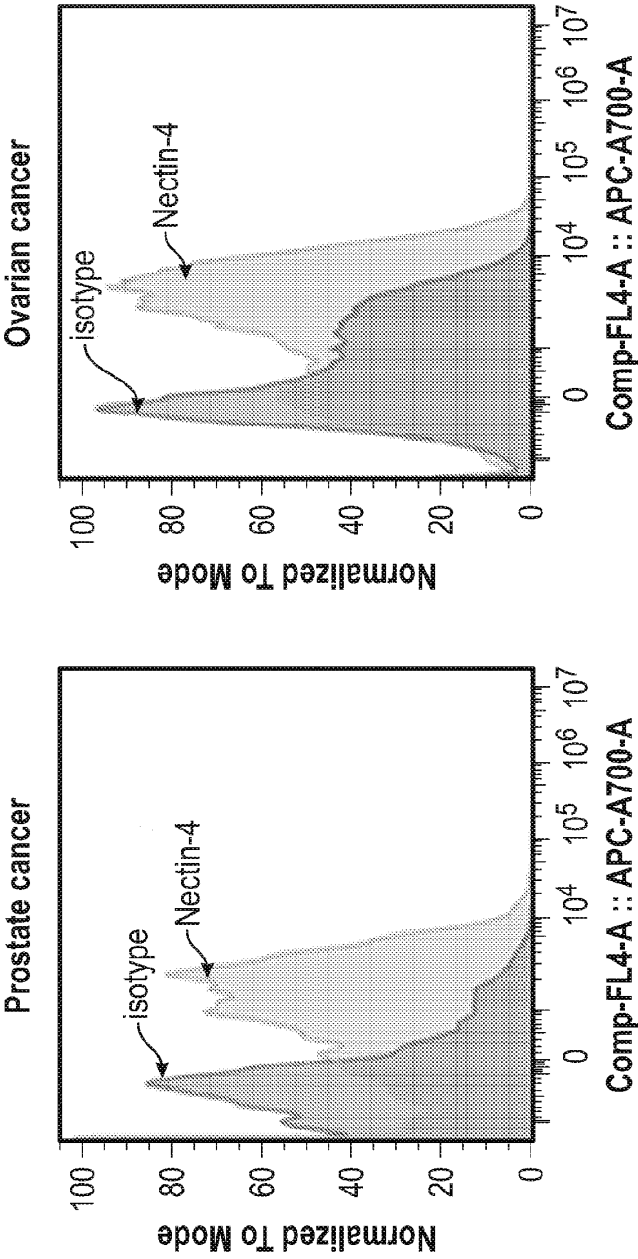


FIG. 61B

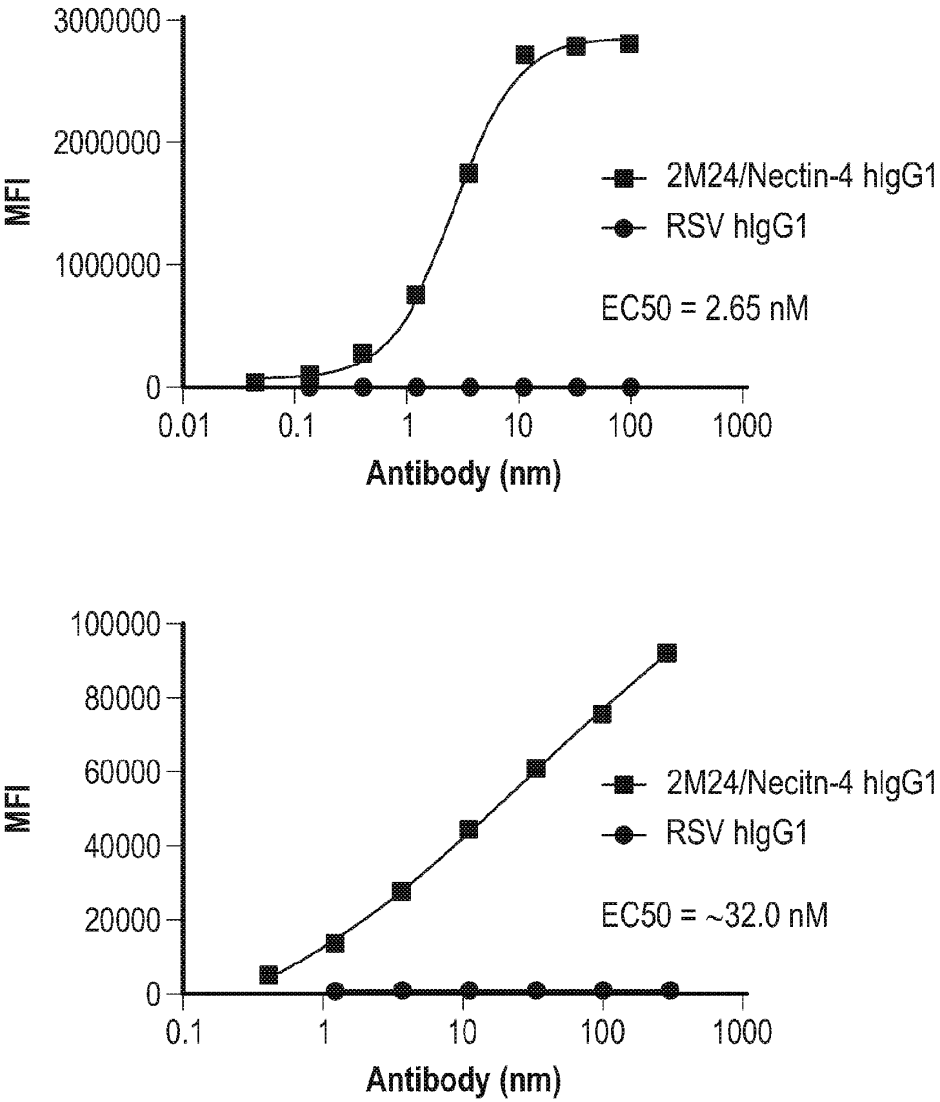


FIG. 62

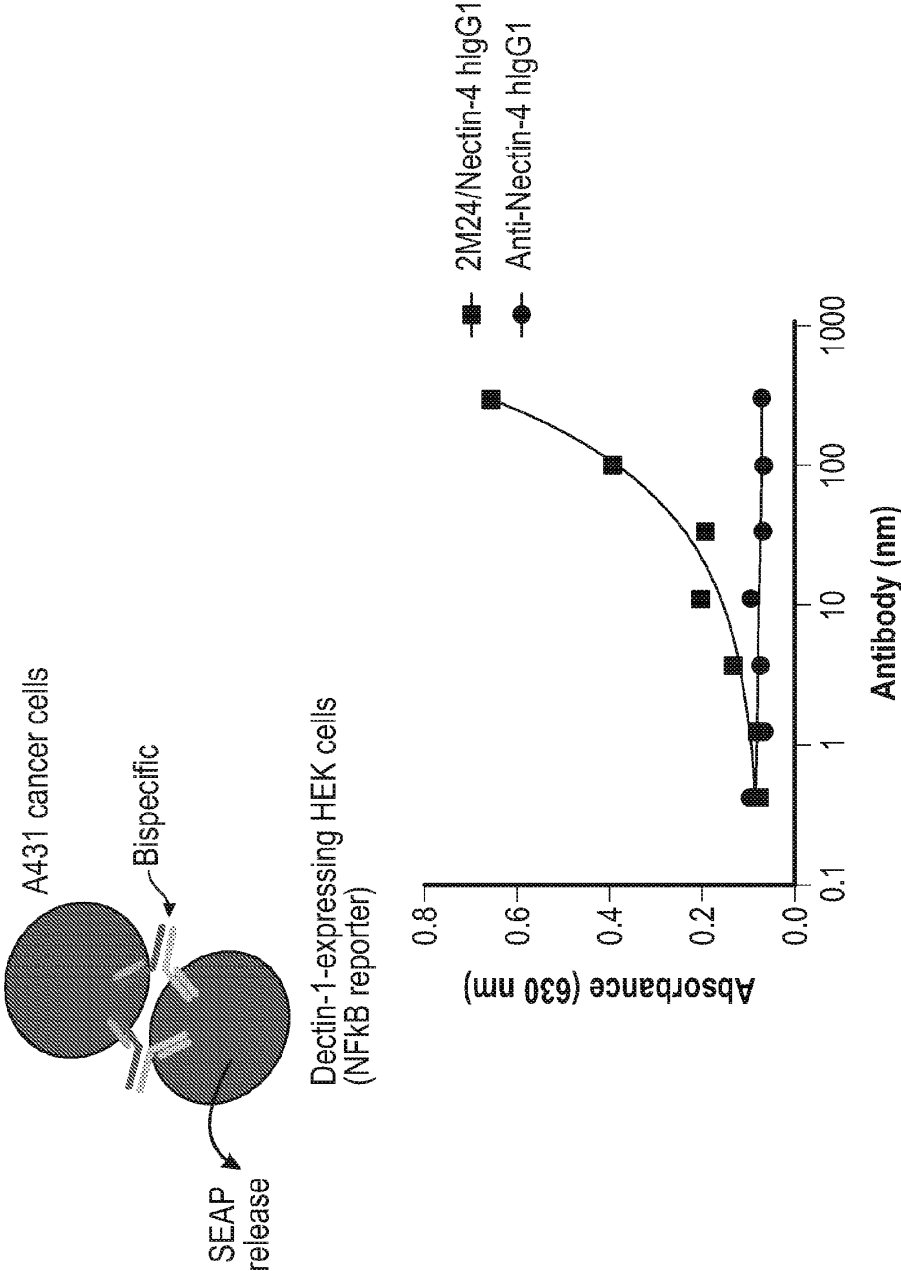


FIG. 63

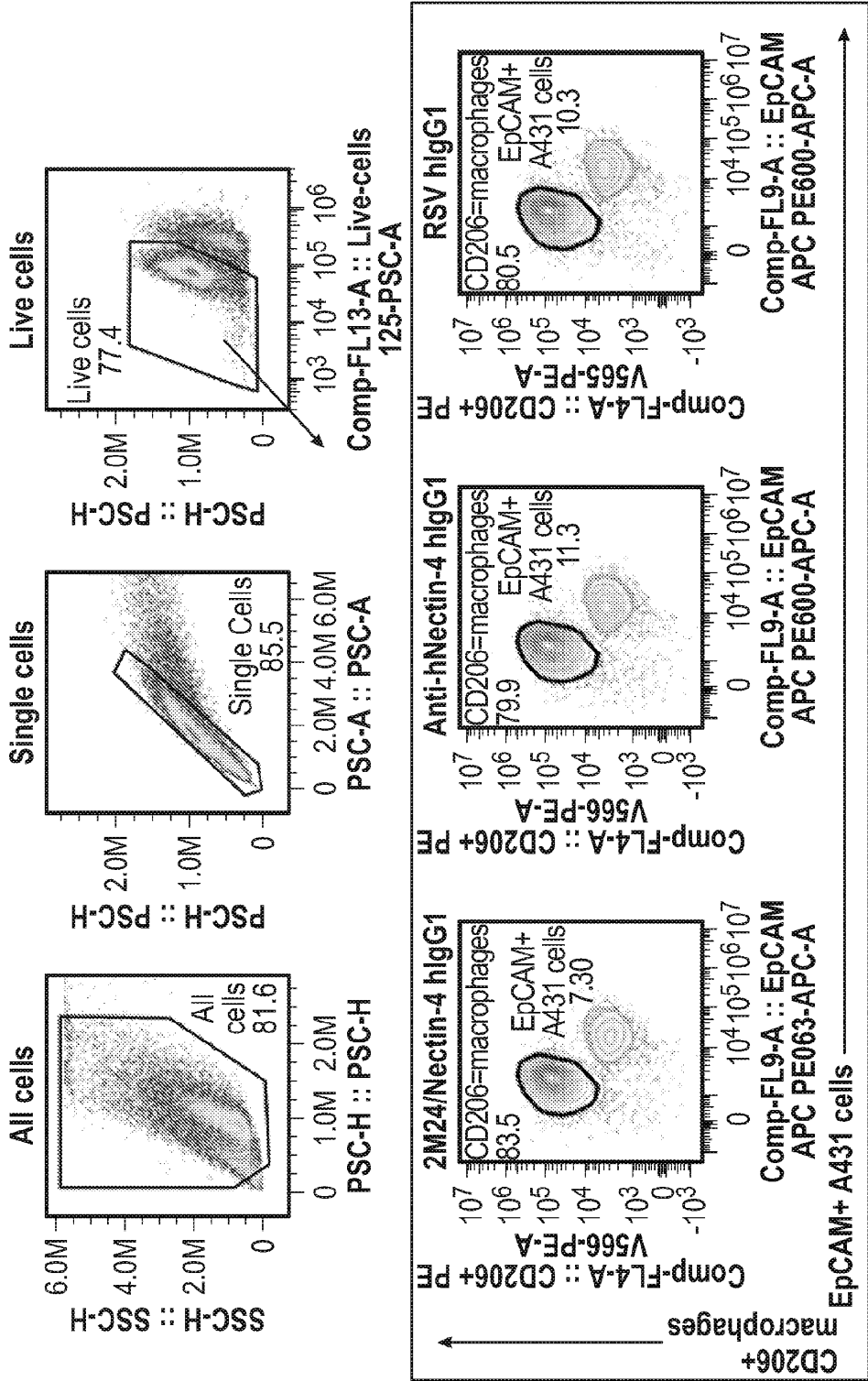


FIG. 64A

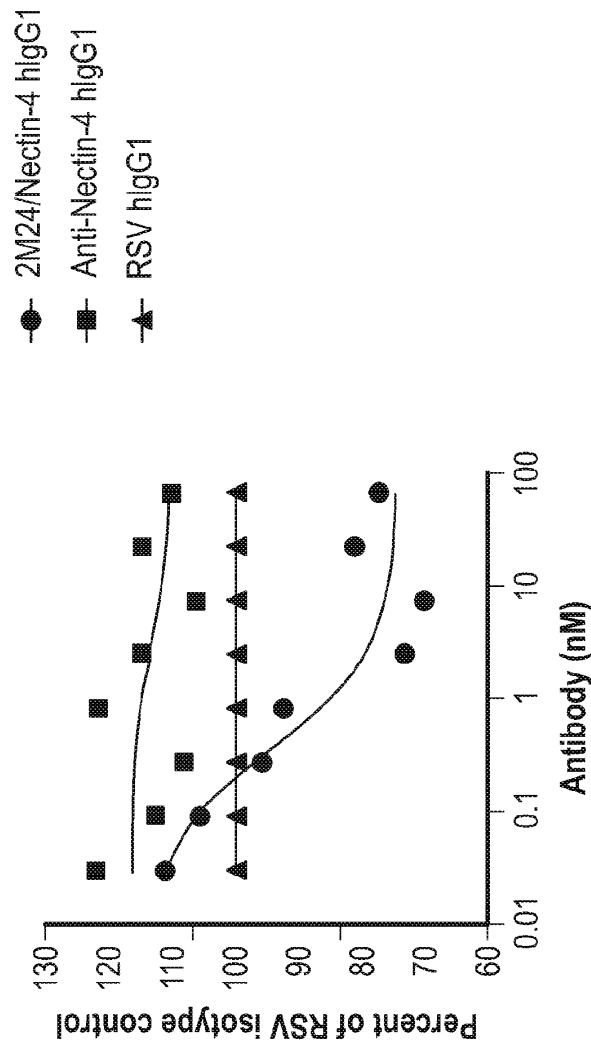


FIG. 64B

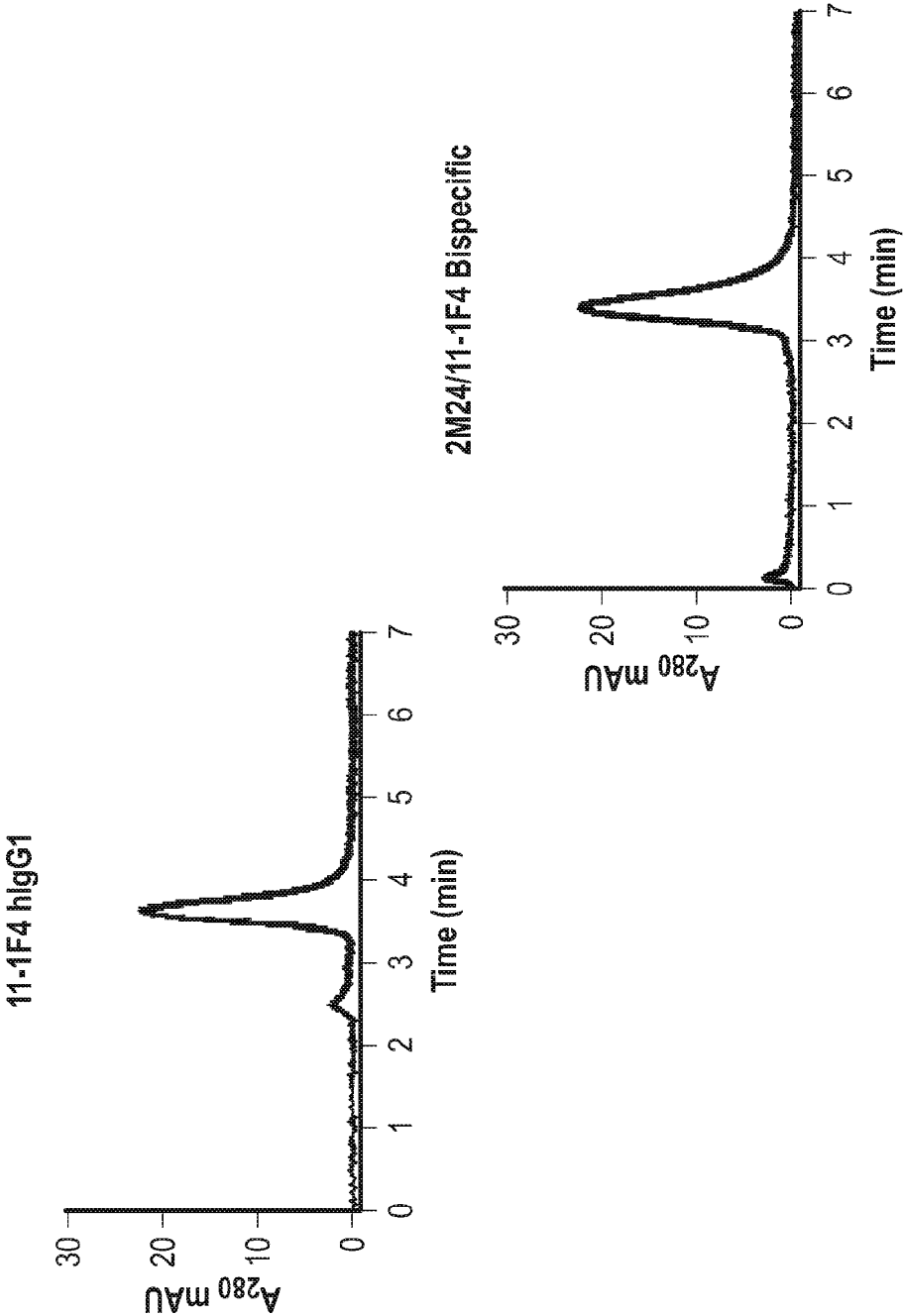


FIG. 65A

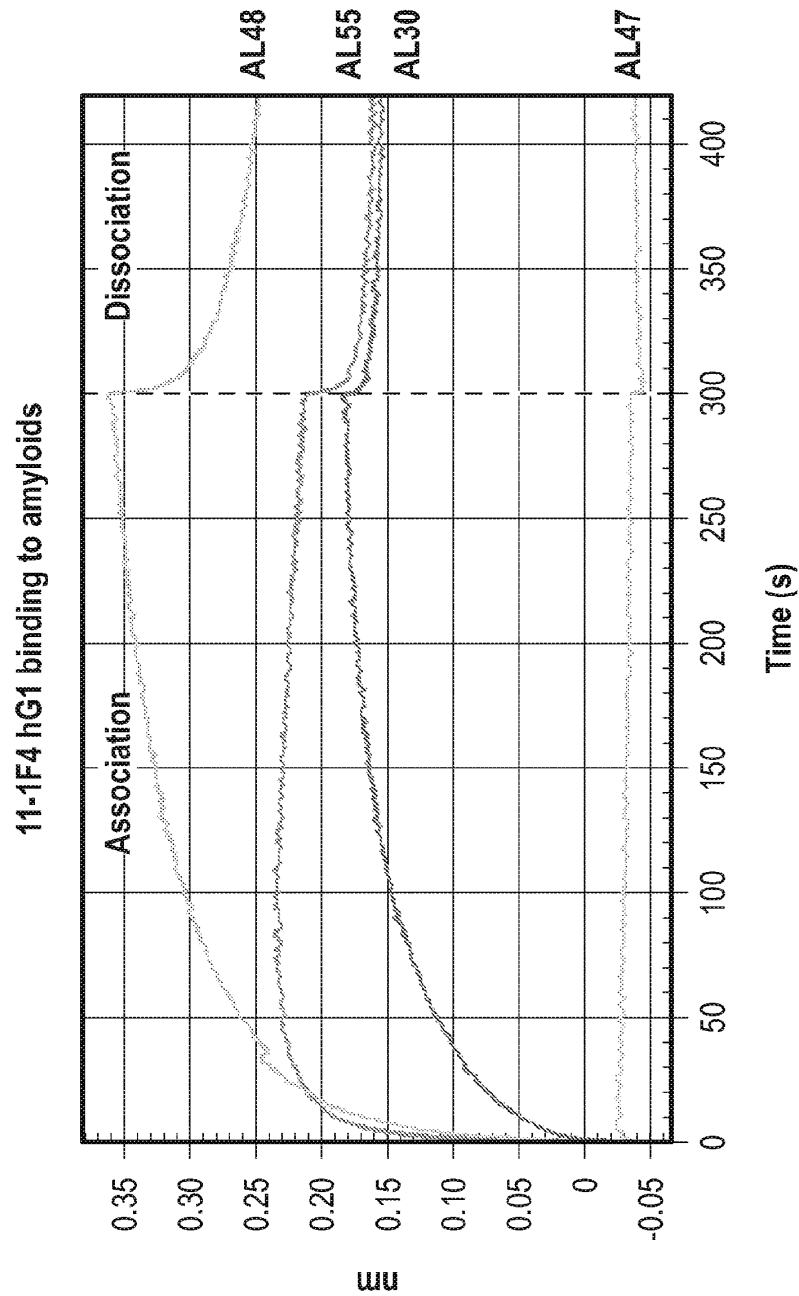


FIG. 65B

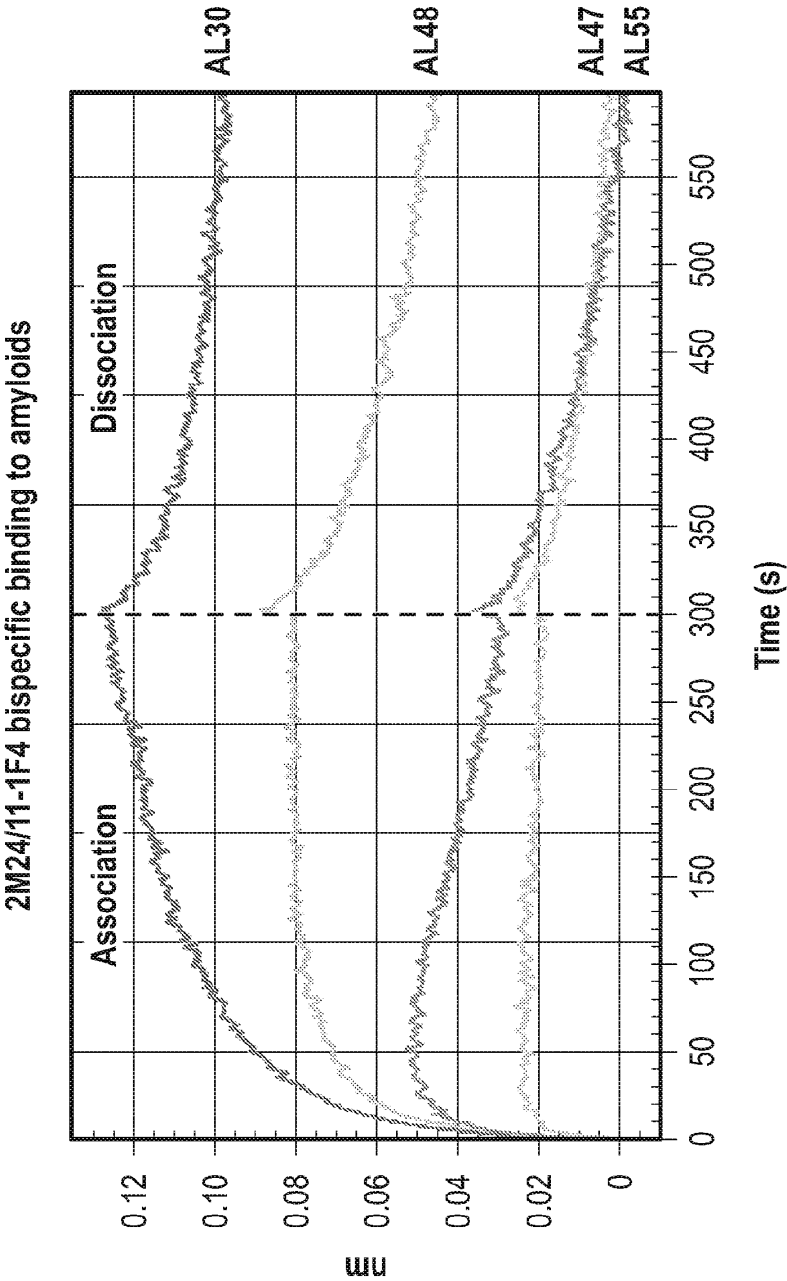


FIG. 65C

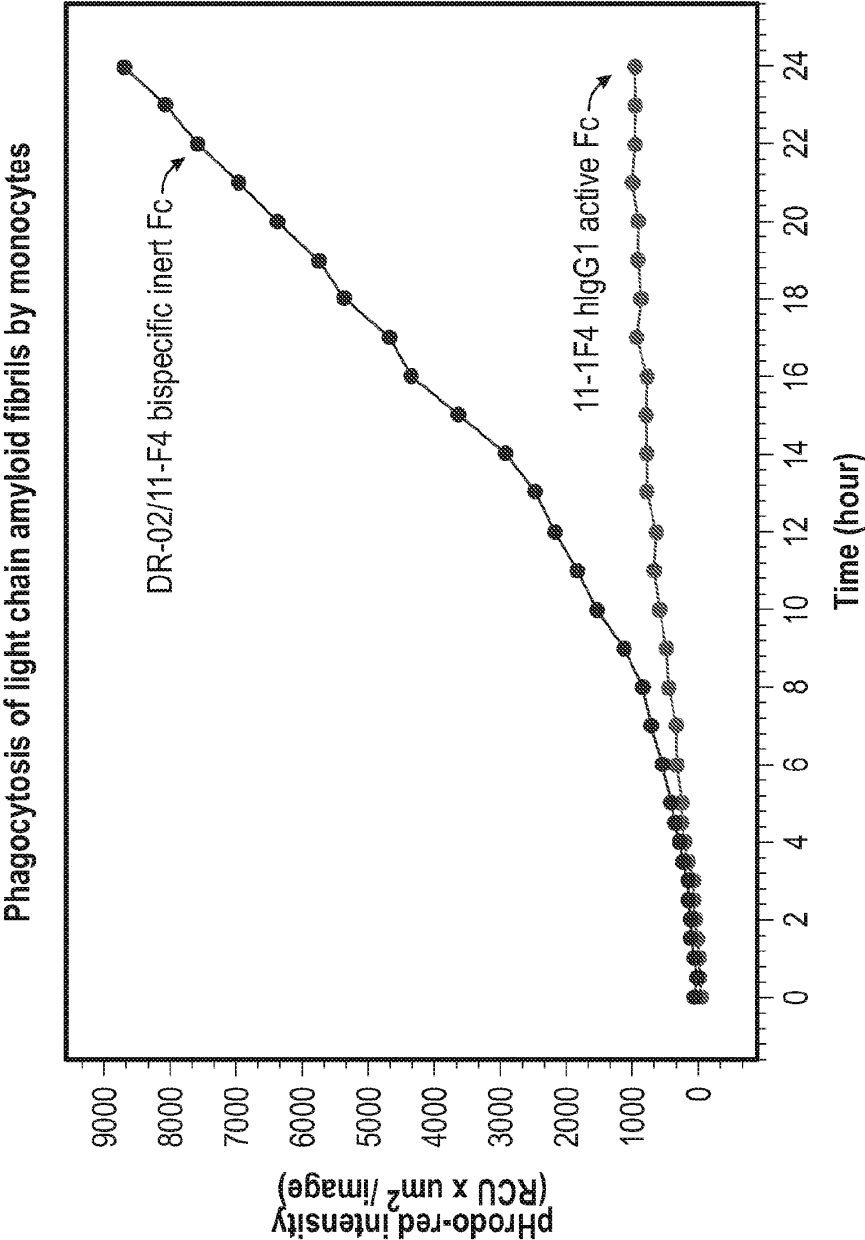


FIG. 66

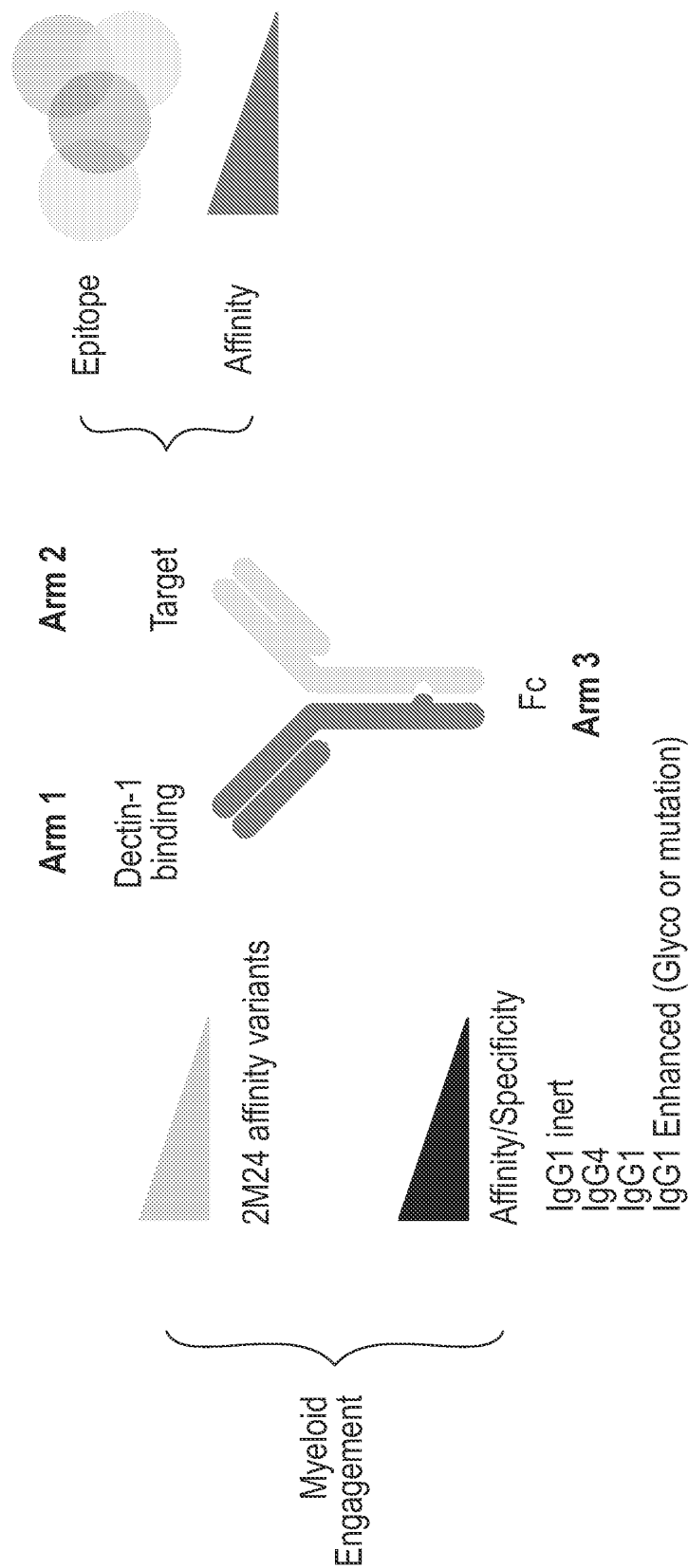


FIG. 67

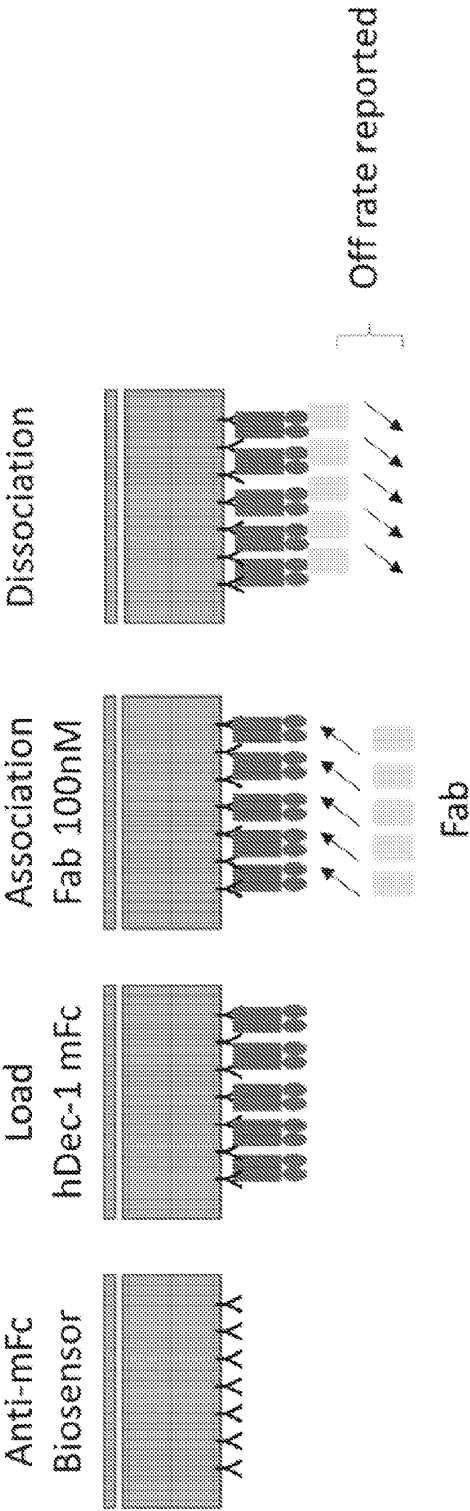


FIG. 68A

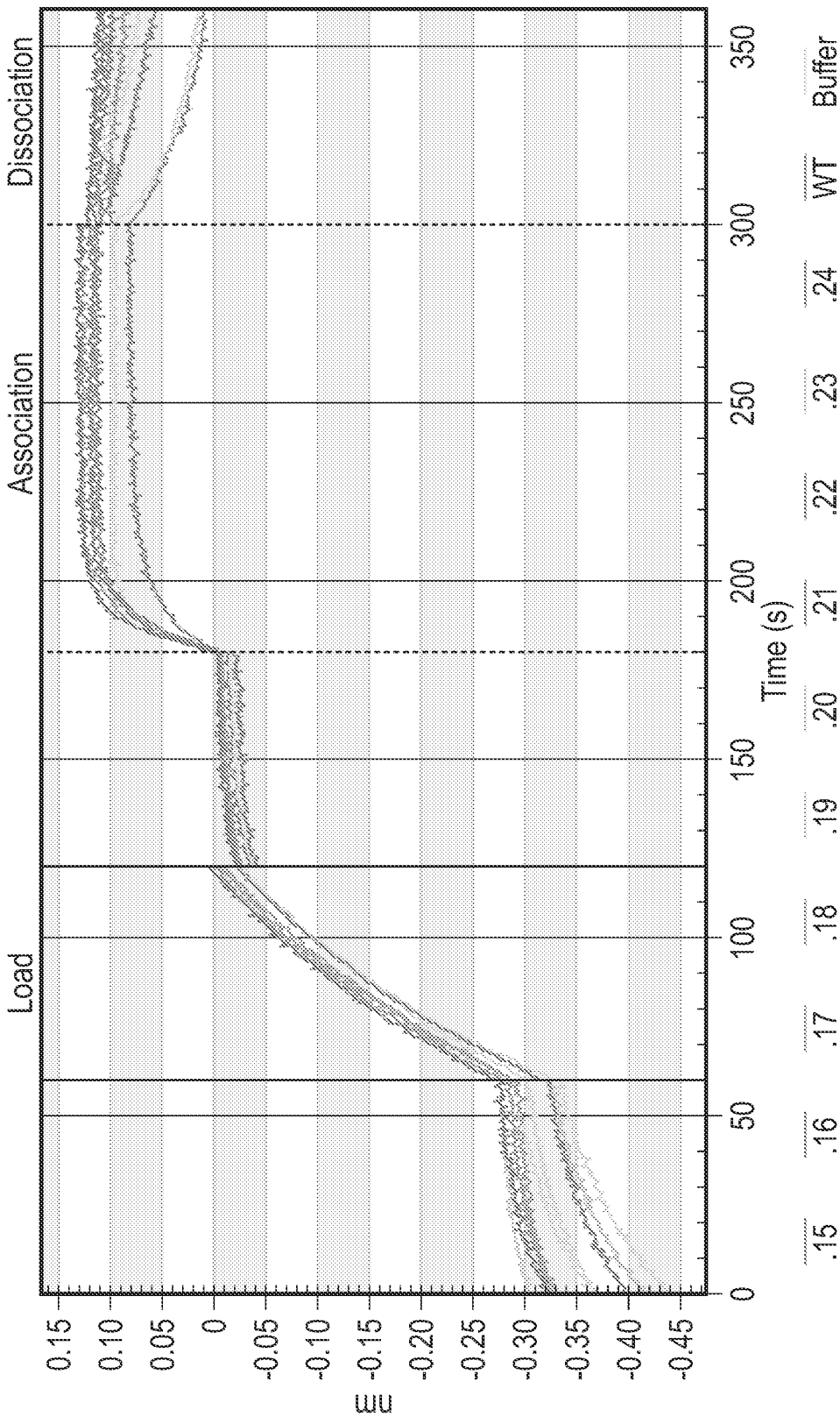
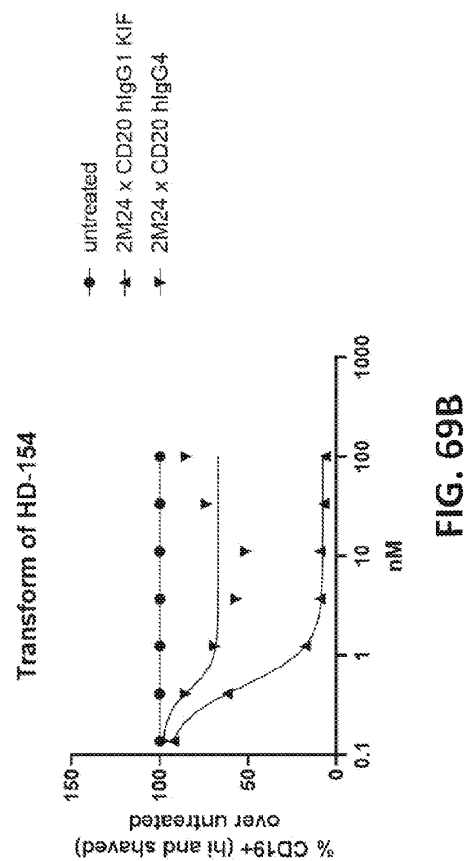
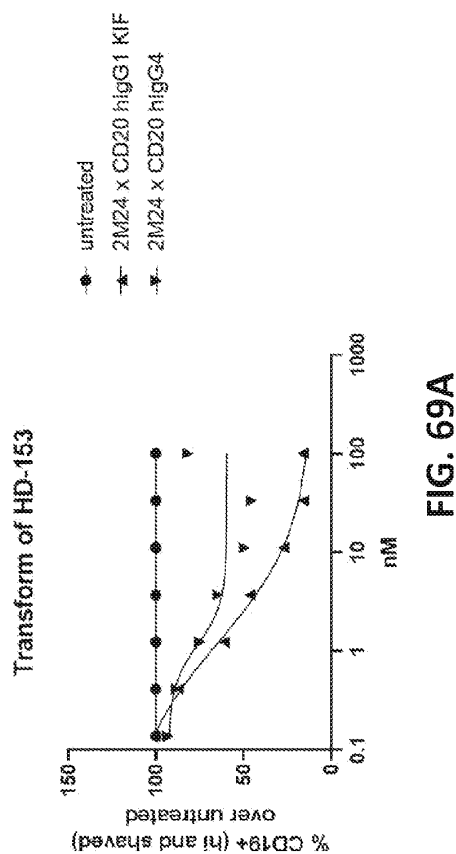


FIG. 68B



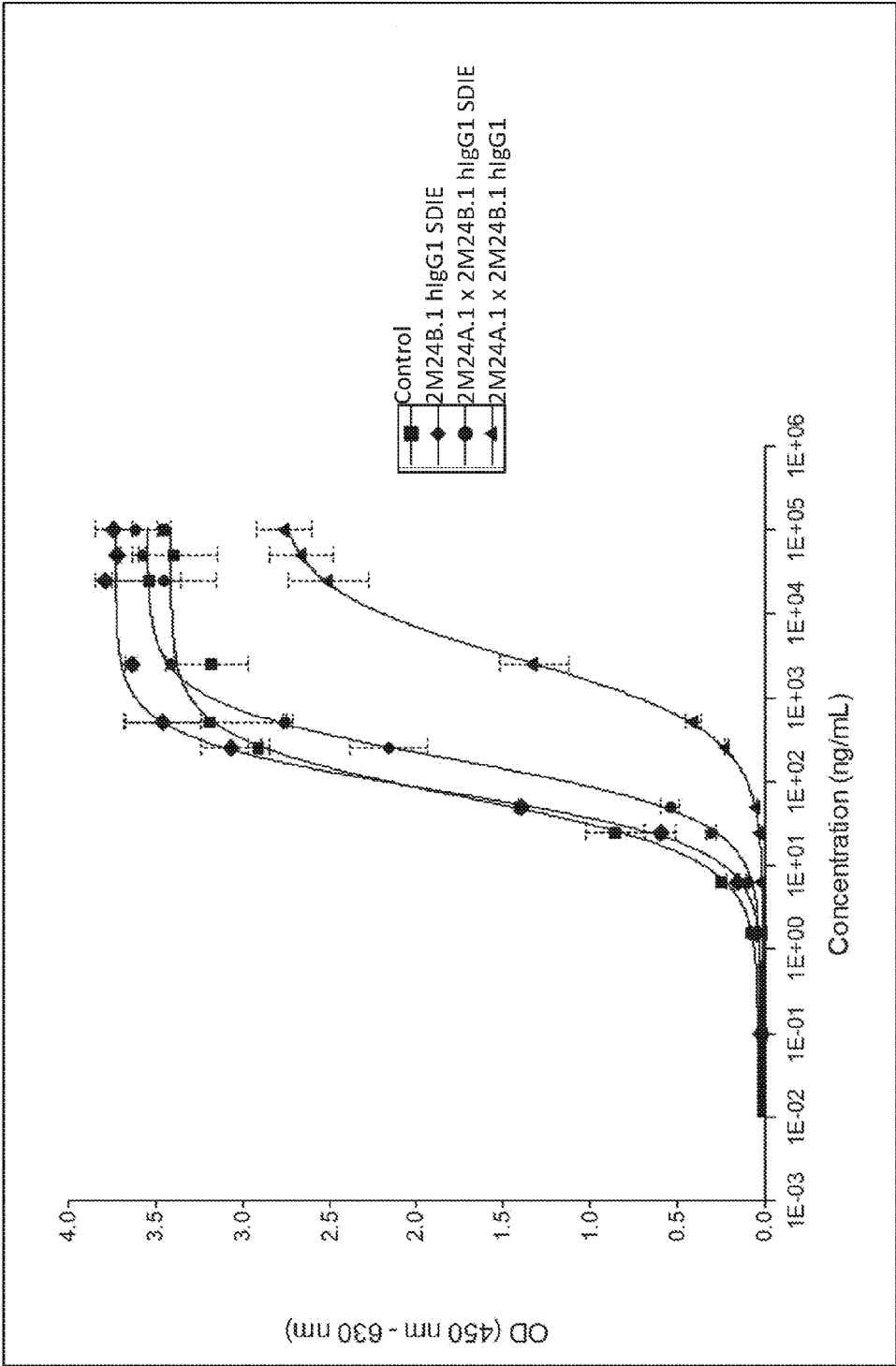


FIG. 70A

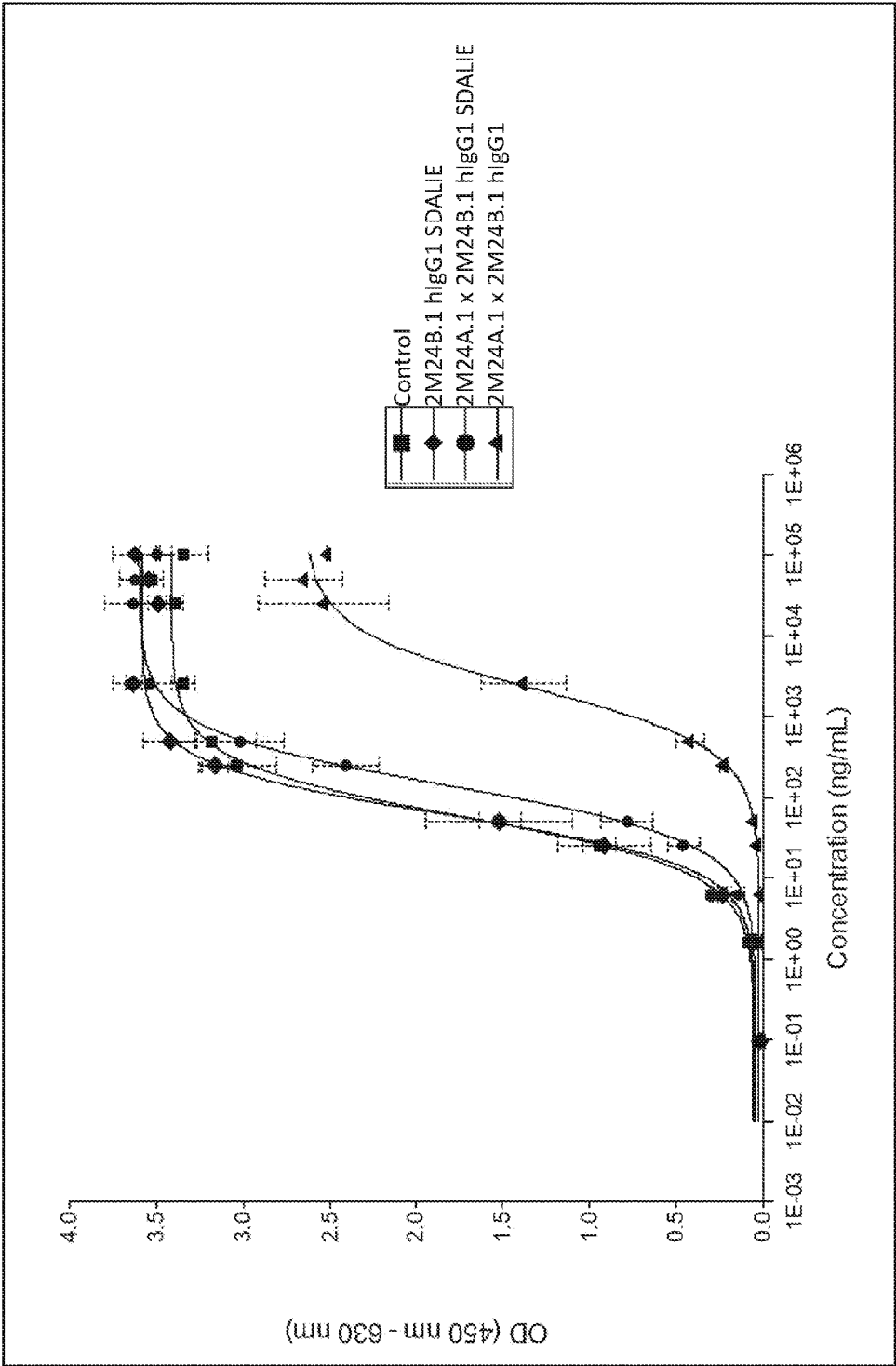


FIG. 70B

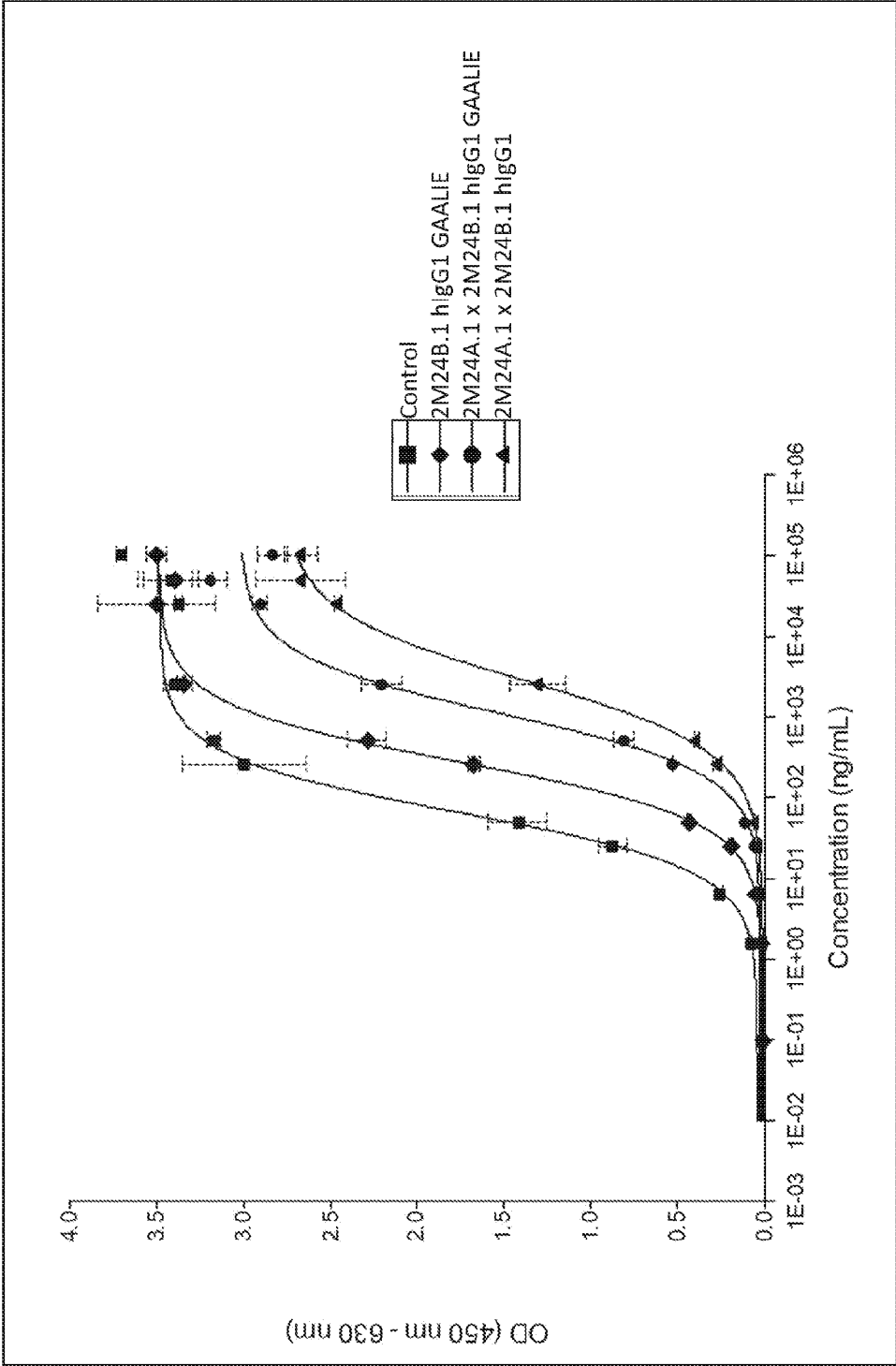


FIG. 70C

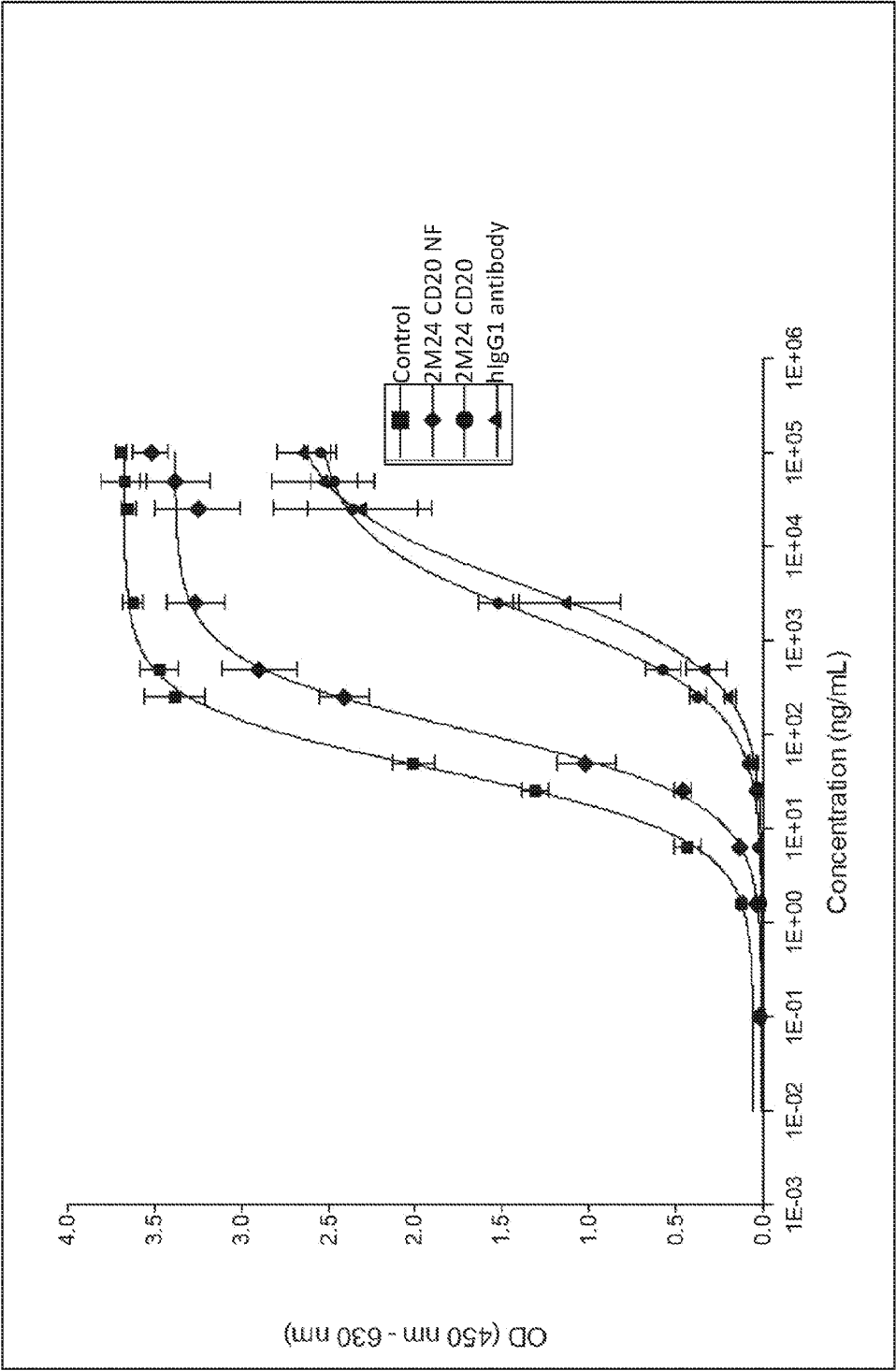


FIG. 70D

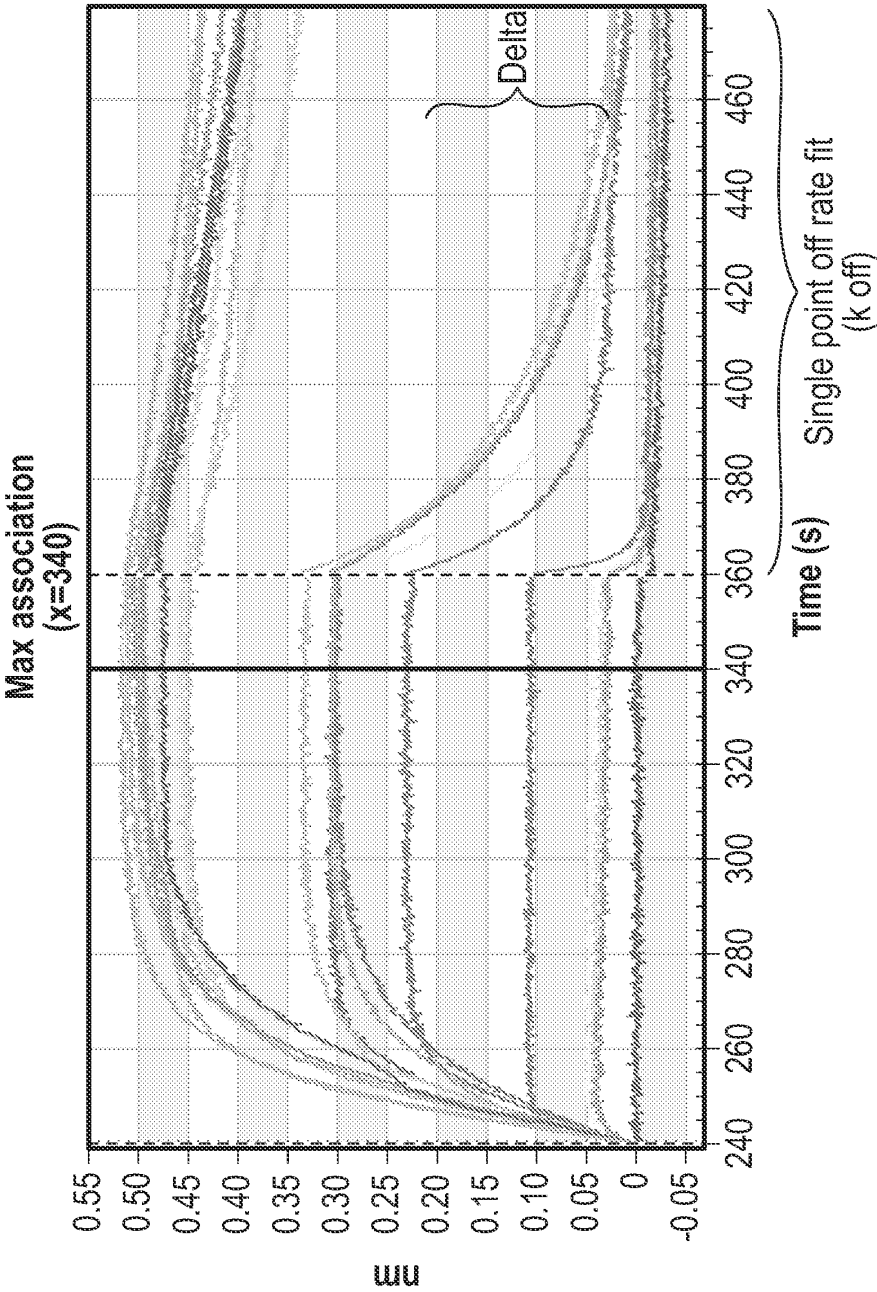


FIG. 71

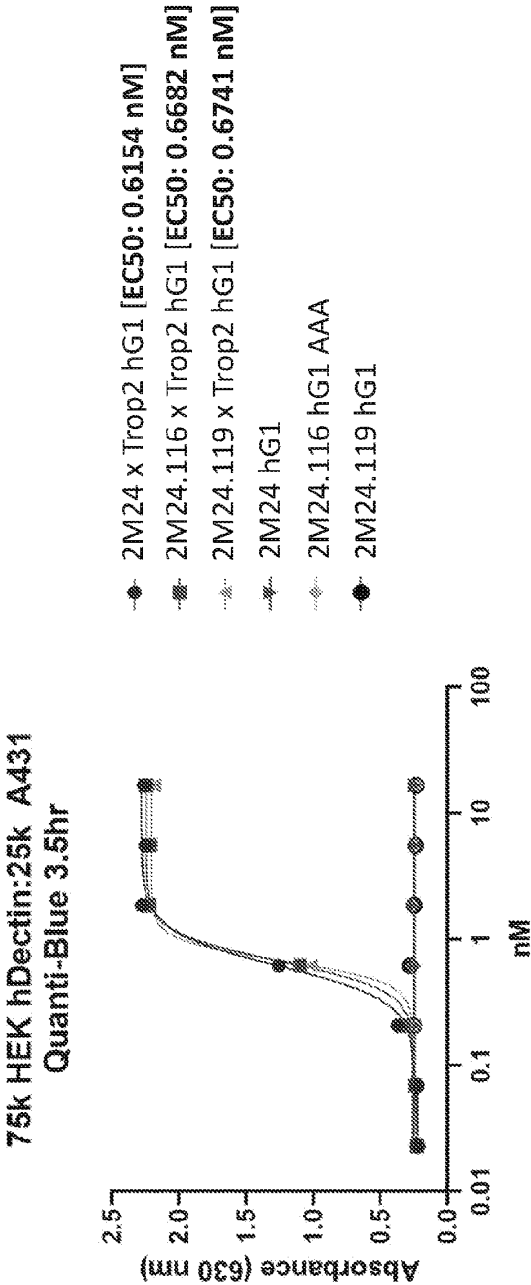


FIG. 72A

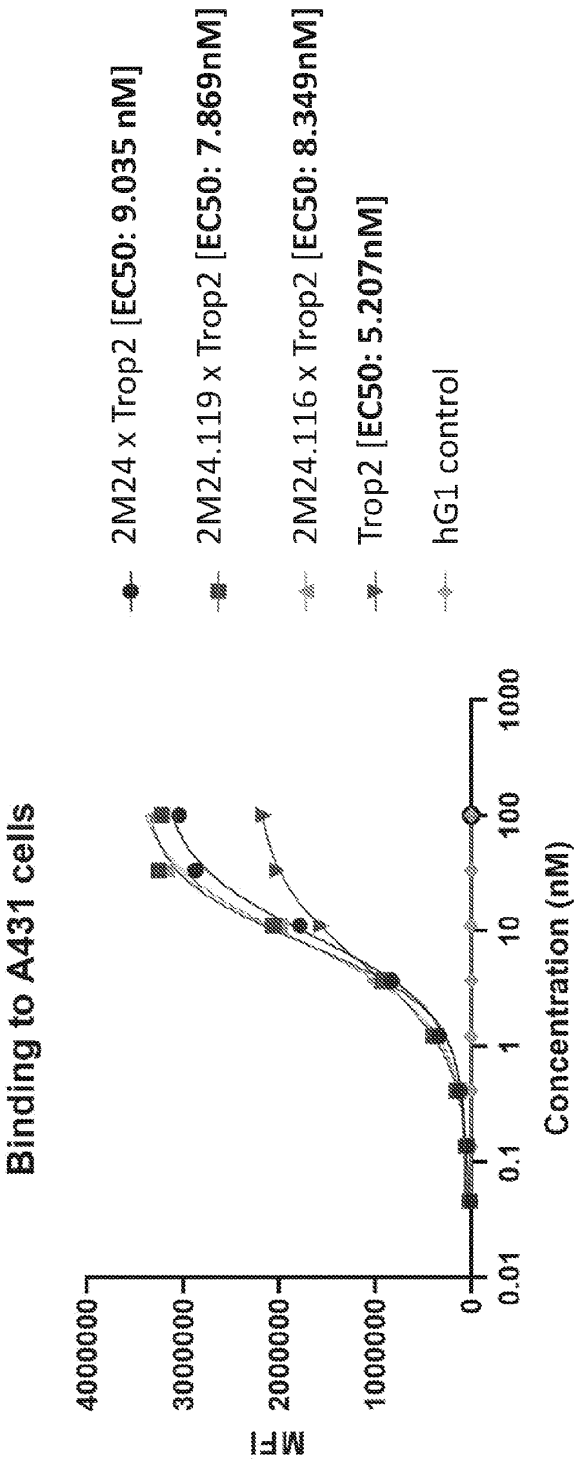


FIG. 72B

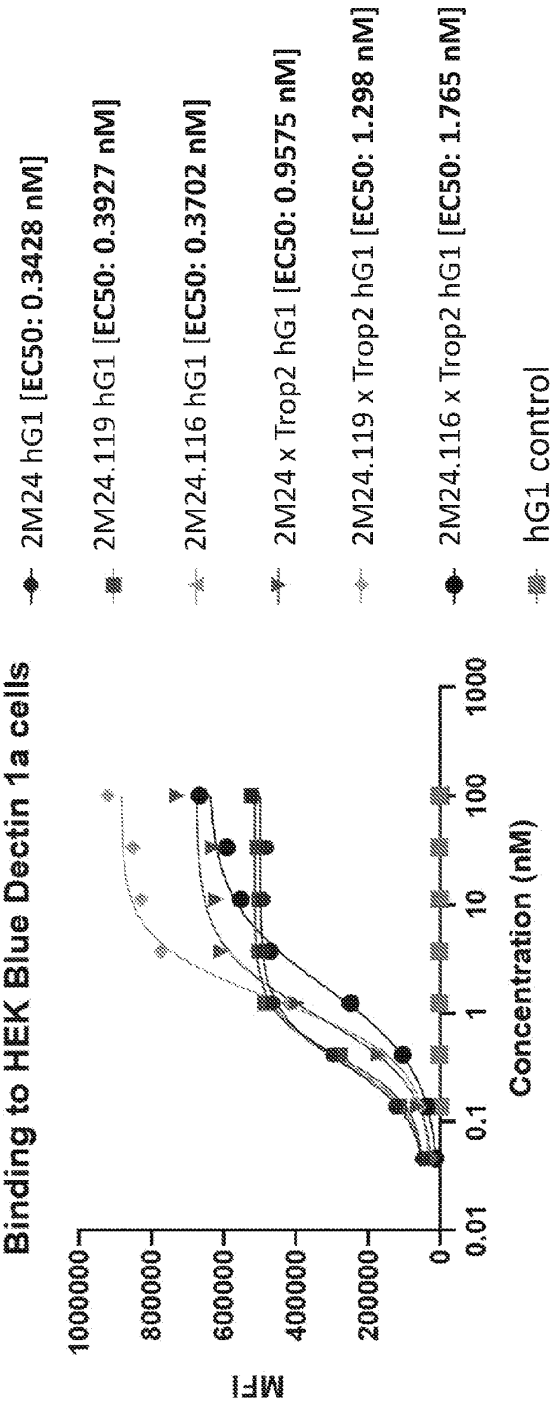


FIG. 72C

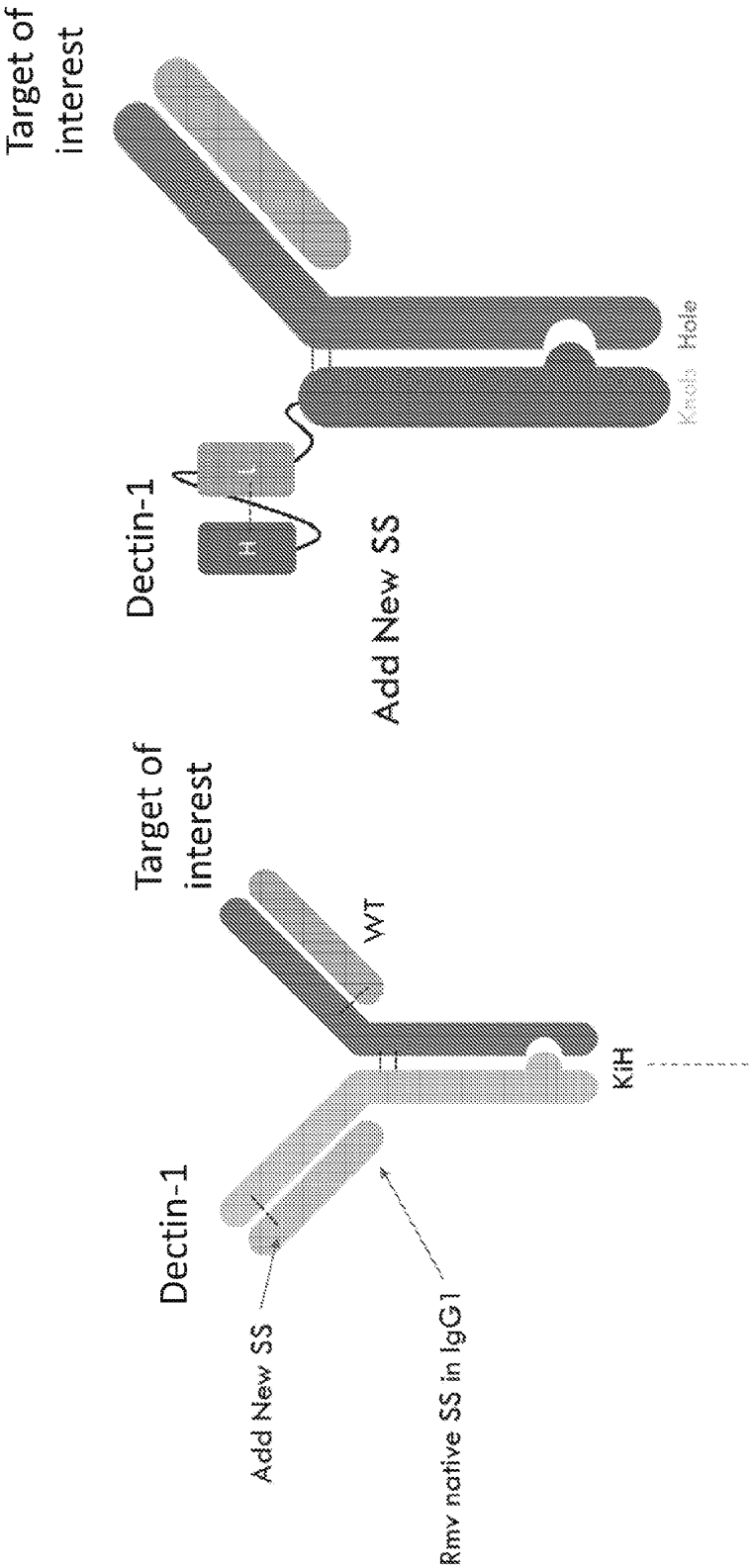


FIG. 73

```

6XLQ_B
2M24_H
*****
QVQLVQSGAEVKKPGASVKVSCKASGYTFTGYYMHWVRQAPGQGLEWMGWINPNPNSGGTKY
QVQLVQSGAEVKKPGASVKVSCKSSGYTFTDYYIHWRQAPGQGLEWMGWINPNPNSGDTNY
*****
AQLFQGRITMTRDTSISTAYMELSLRLSRDDTAVYFCARRHSDMIGYYYGMDVWGQGTGTVT
AQLFQGRITMTRDTSISTAYLELSRLSRDDTAVFYCARNSGS-----YSFGYWGCGTLVT
*****
VSS
VSS
**
6XLQ_B
2M24_H
*****
DIQMTQSPSSVSASVGDRVTITCRASQGISSWLAWYQQKPKGPKLLIFGASSLQSGVPS
DIQMTQSPSSVSASVGDRVTITCRASQGISSWLAWYQQKPKGKAPKLLIYAASSLQSGVPS
*****
RFSGSGSGTDFTLTIVSSLPQPEDFATYCCQQAYSEFPFTFGPGTKVDIE
RFSGSGSGTDFTLTIVSSLPQPEDFATYCCQQATDFPPTFGGGTKVEIK
*****

```

FIG. 74A

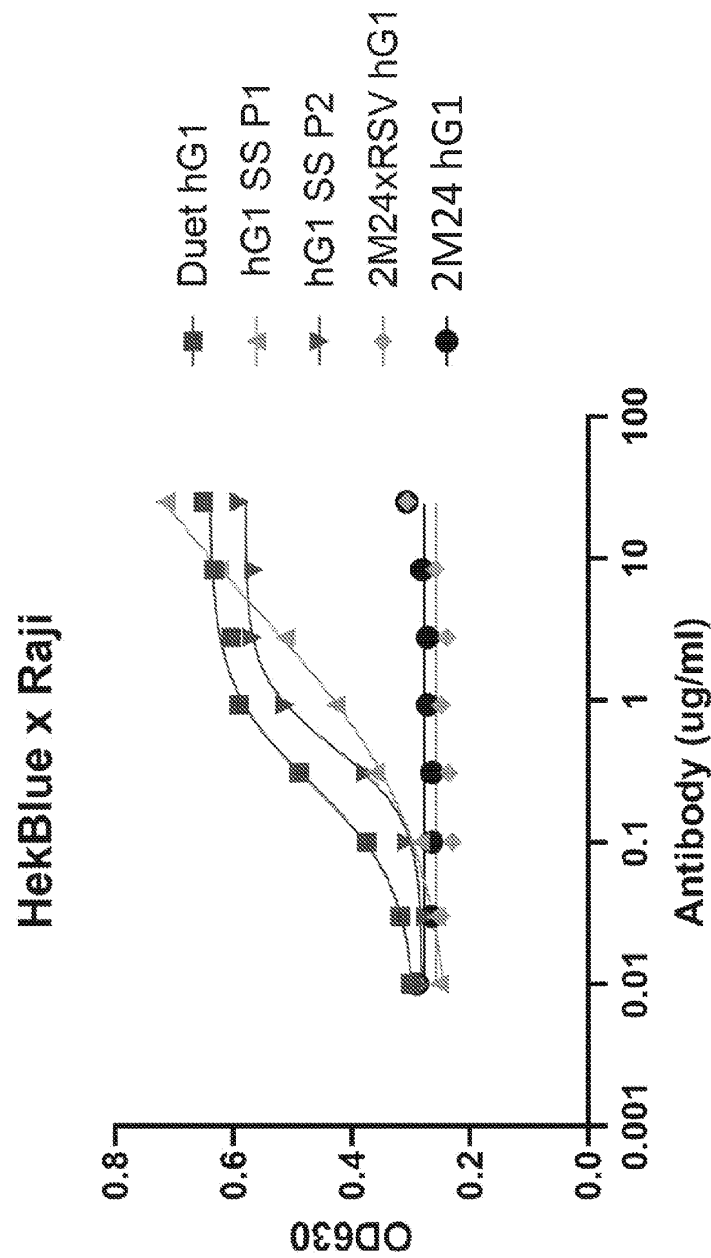


FIG. 75A

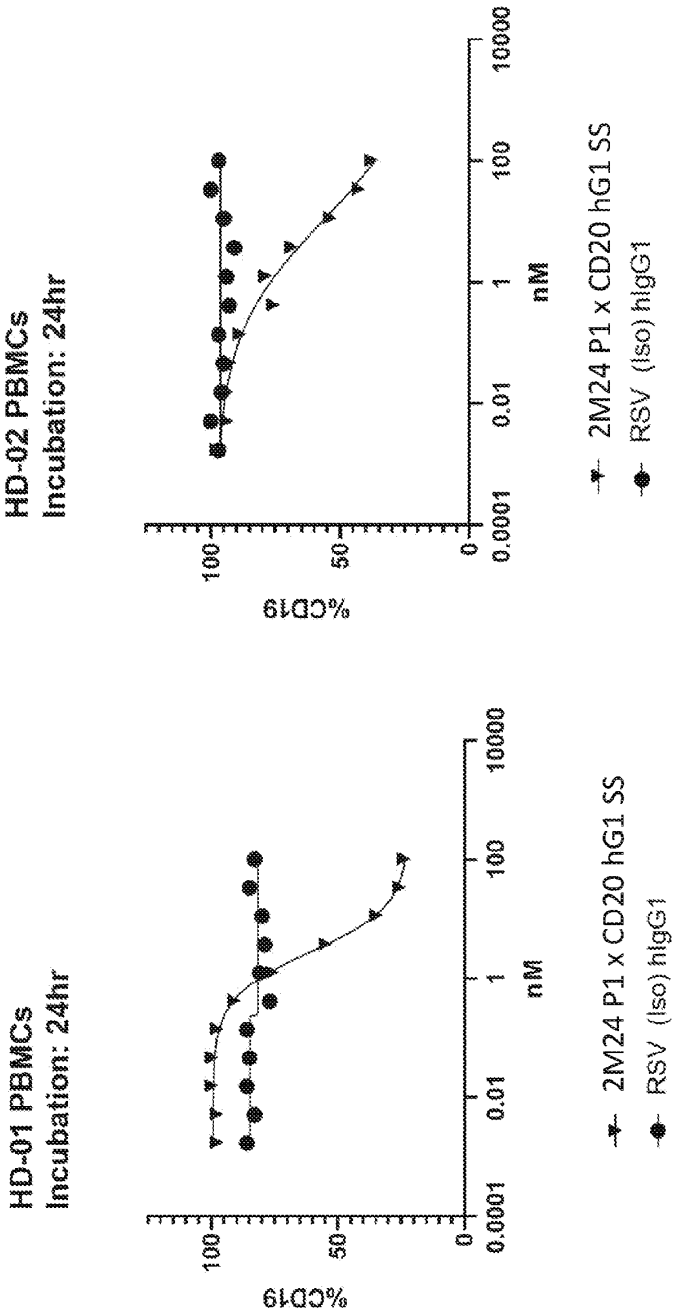


FIG. 75B

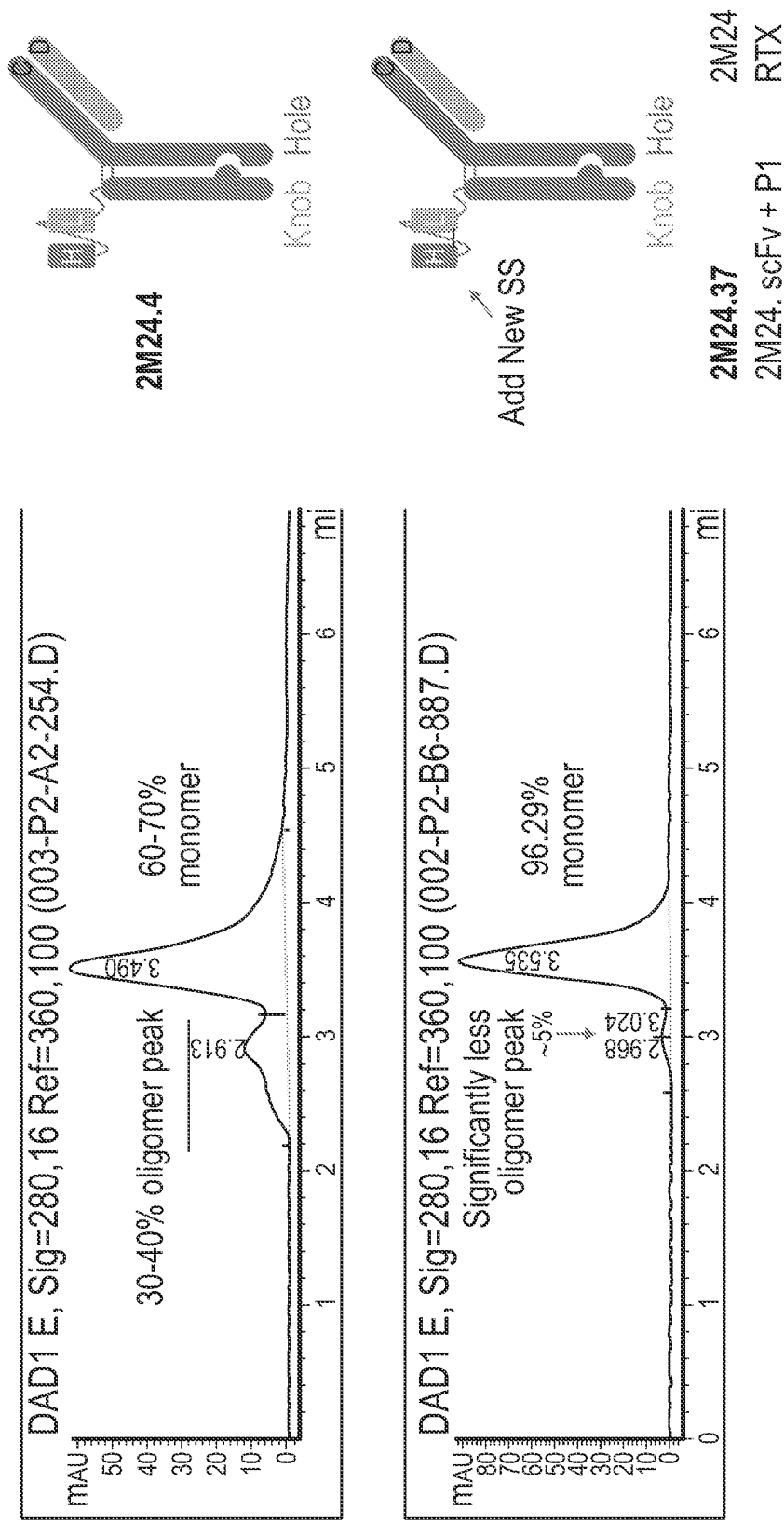


FIG. 76A

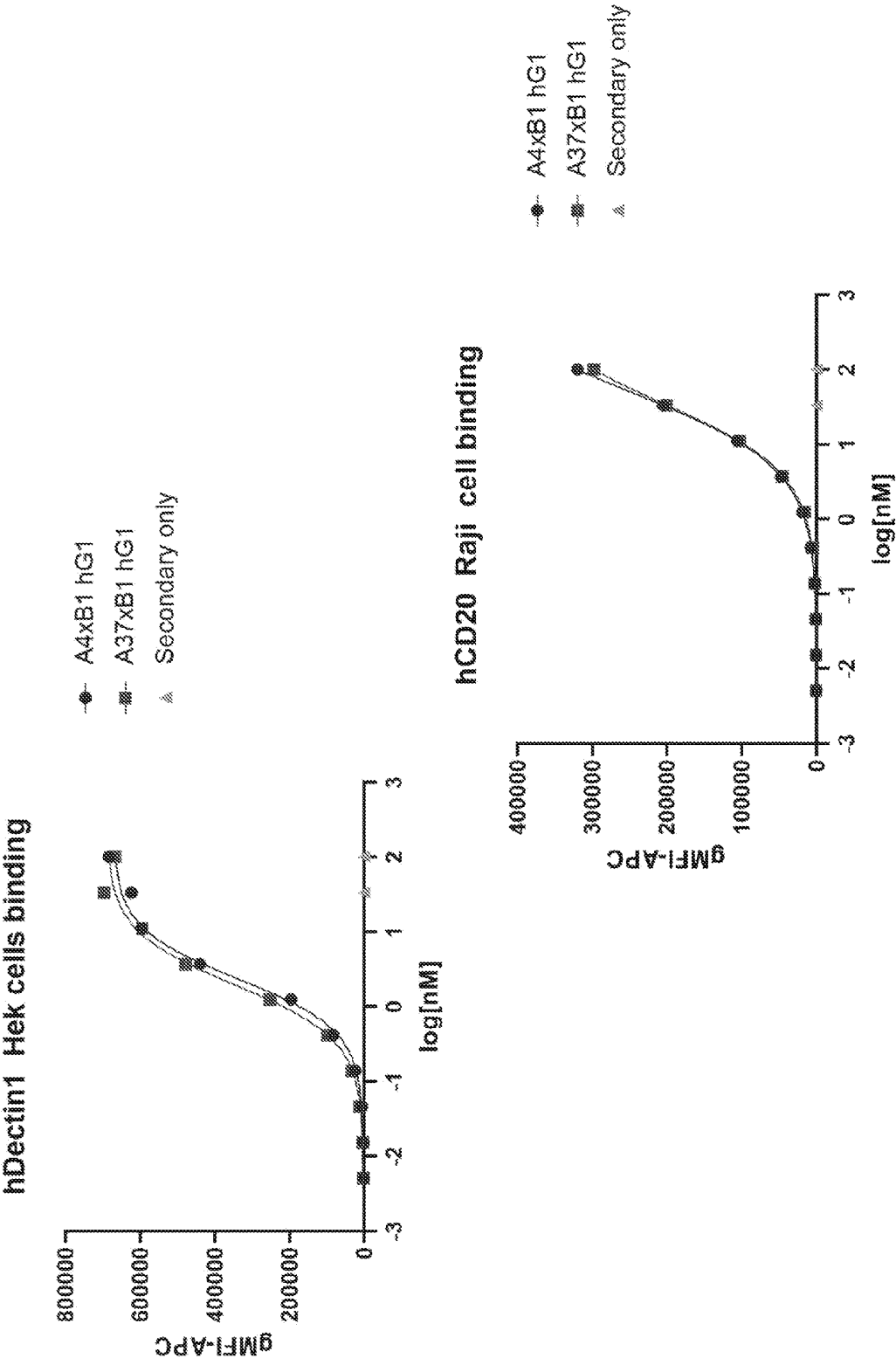


FIG. 76B

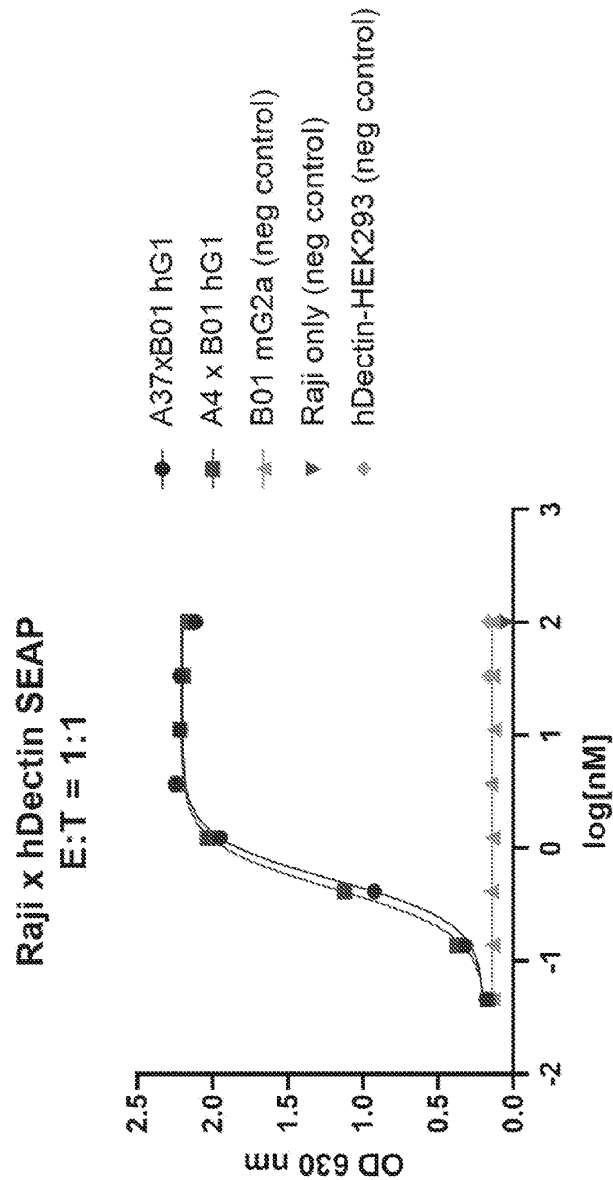


FIG. 76C

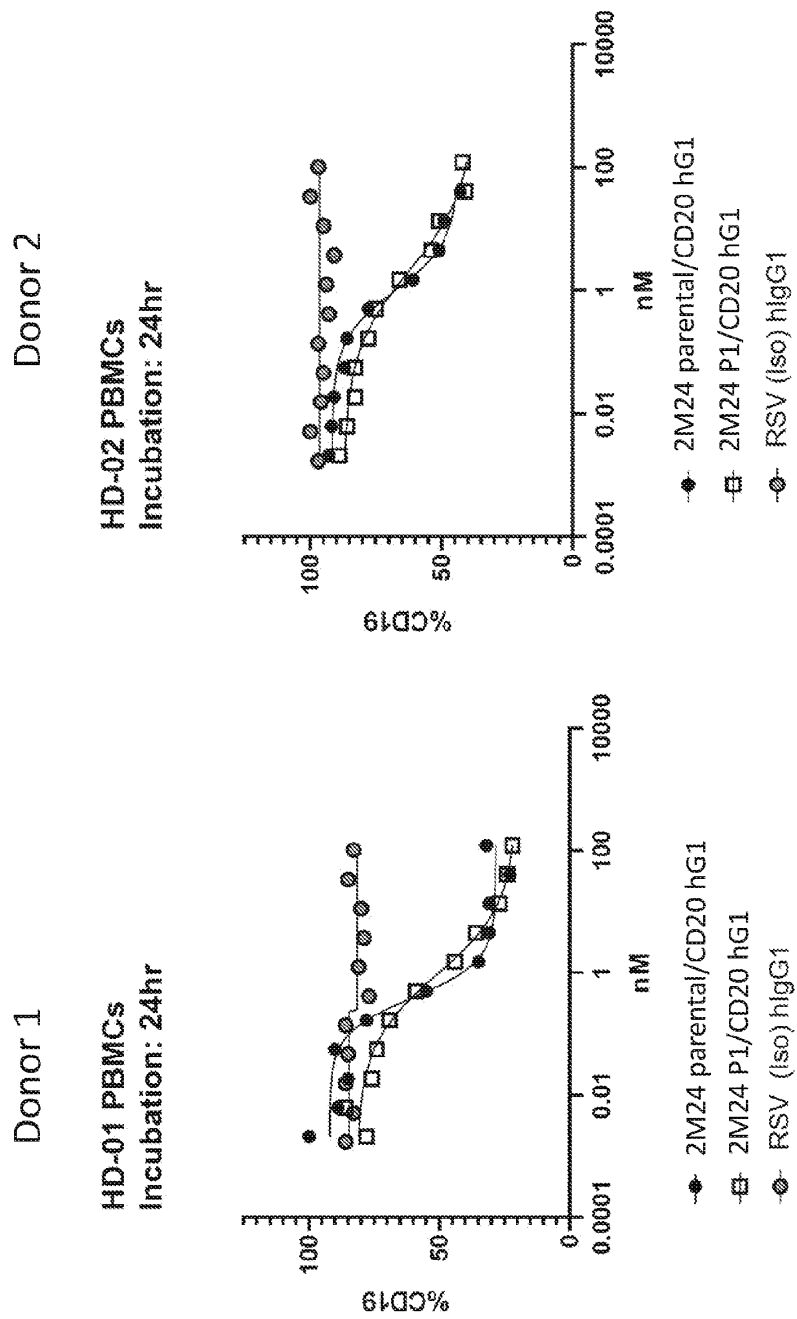


FIG. 76D

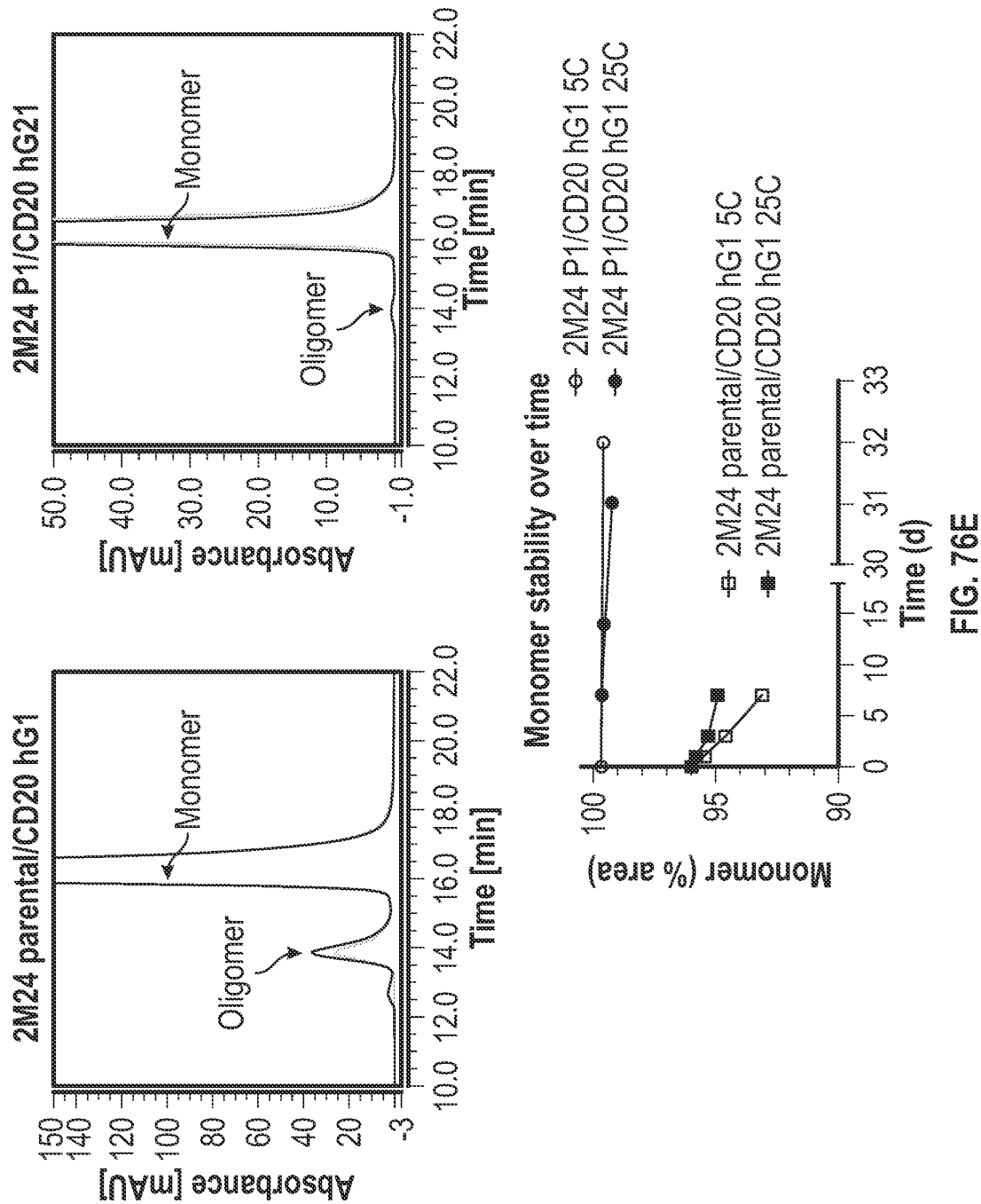


FIG. 76E

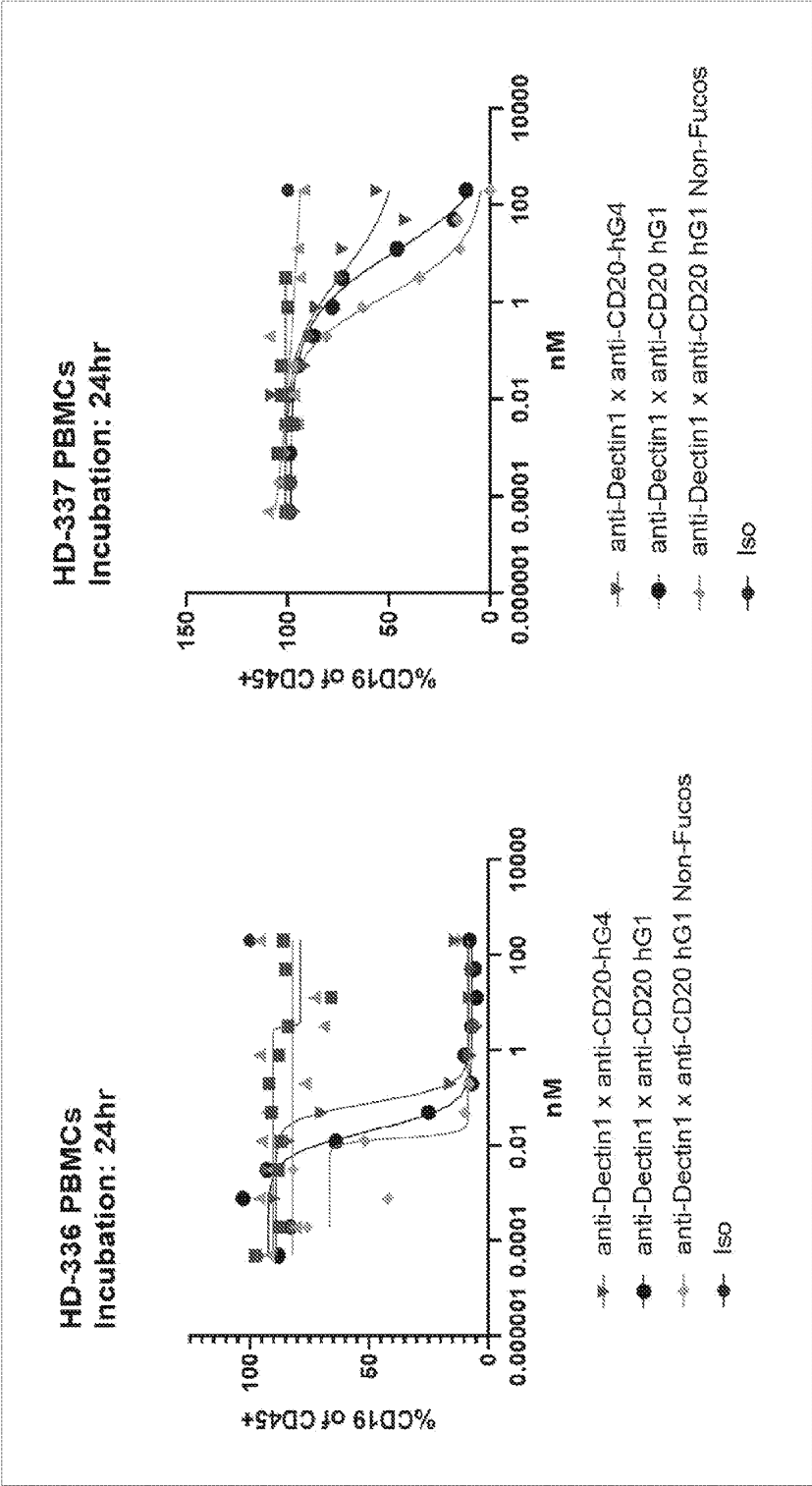


FIG. 77