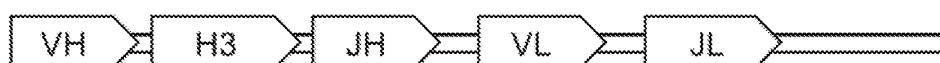
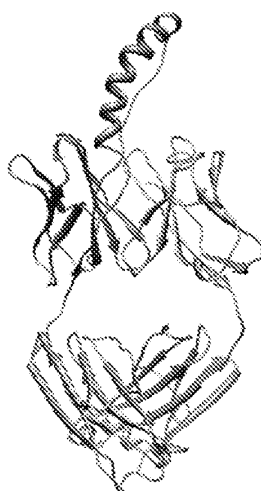
**FIG. 1A****FIG. 1B****FIG. 2**

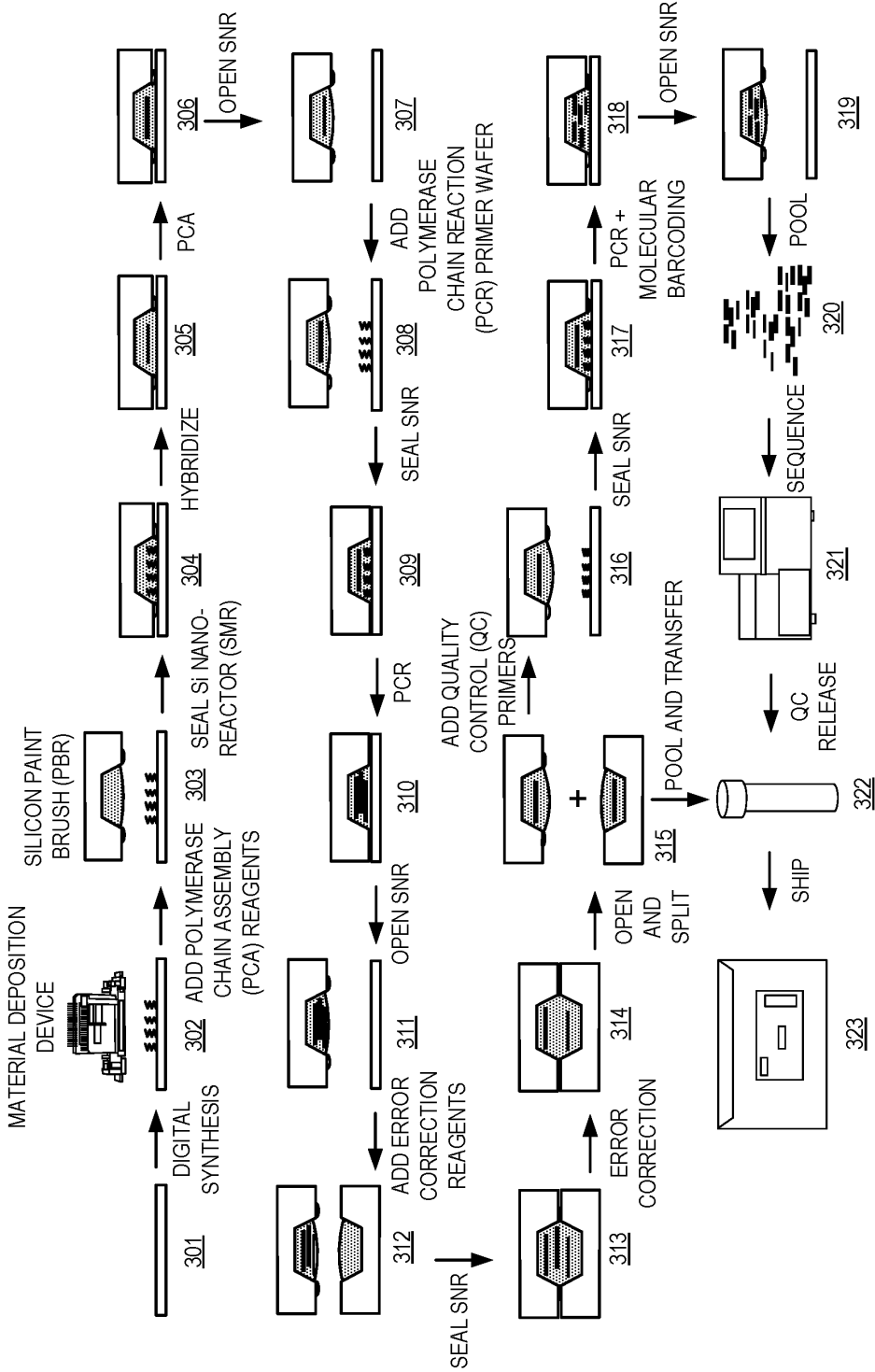


FIG. 3

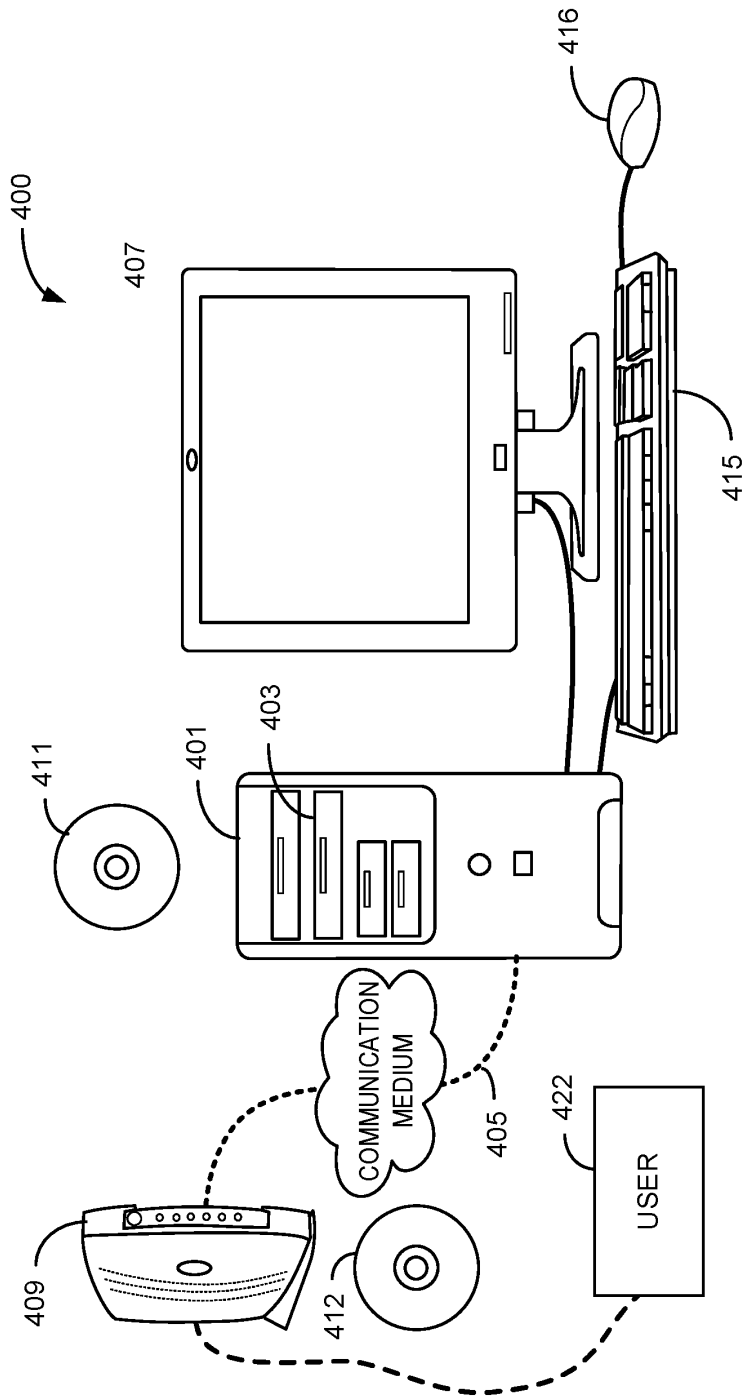


FIG. 4

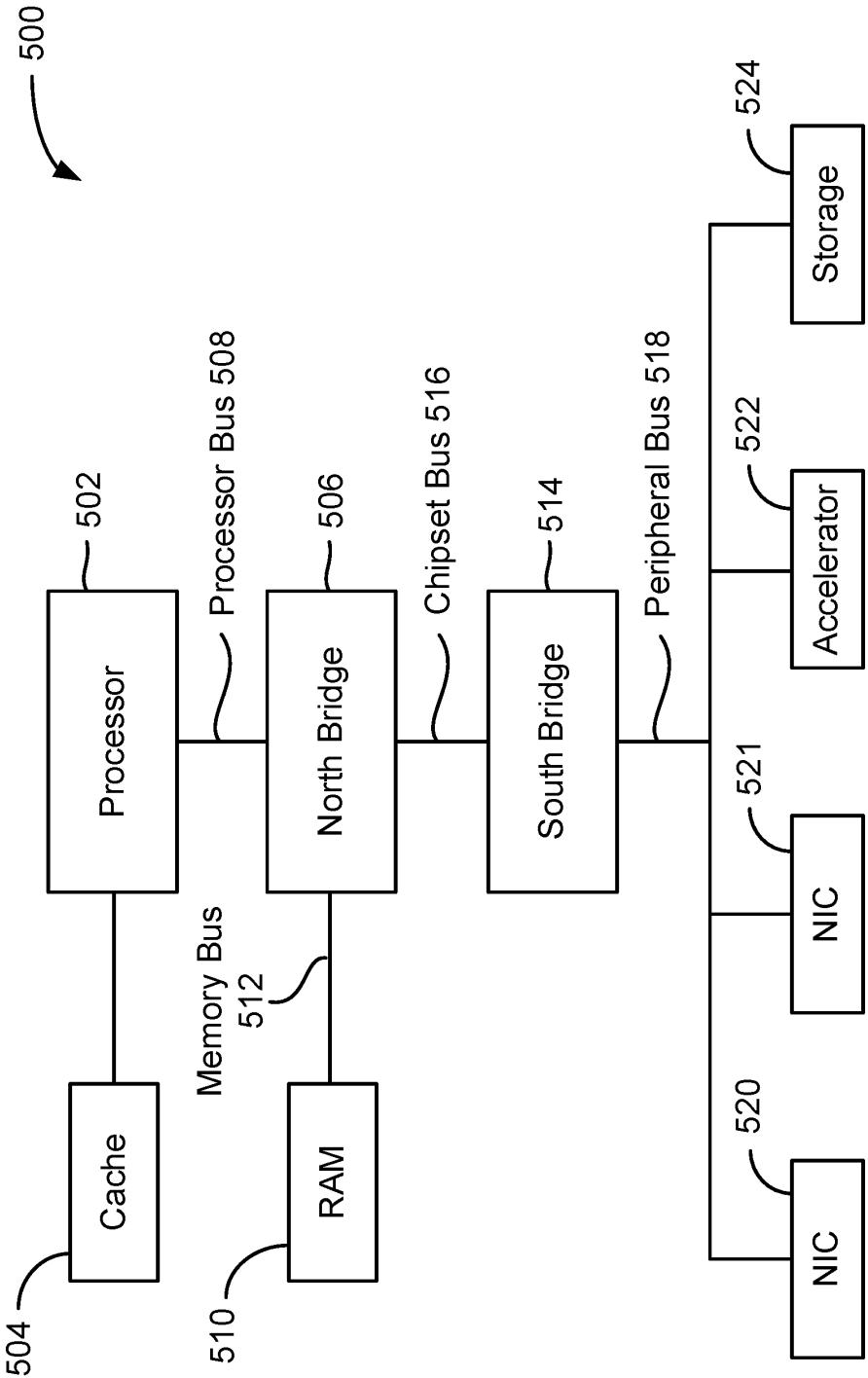


FIG. 5

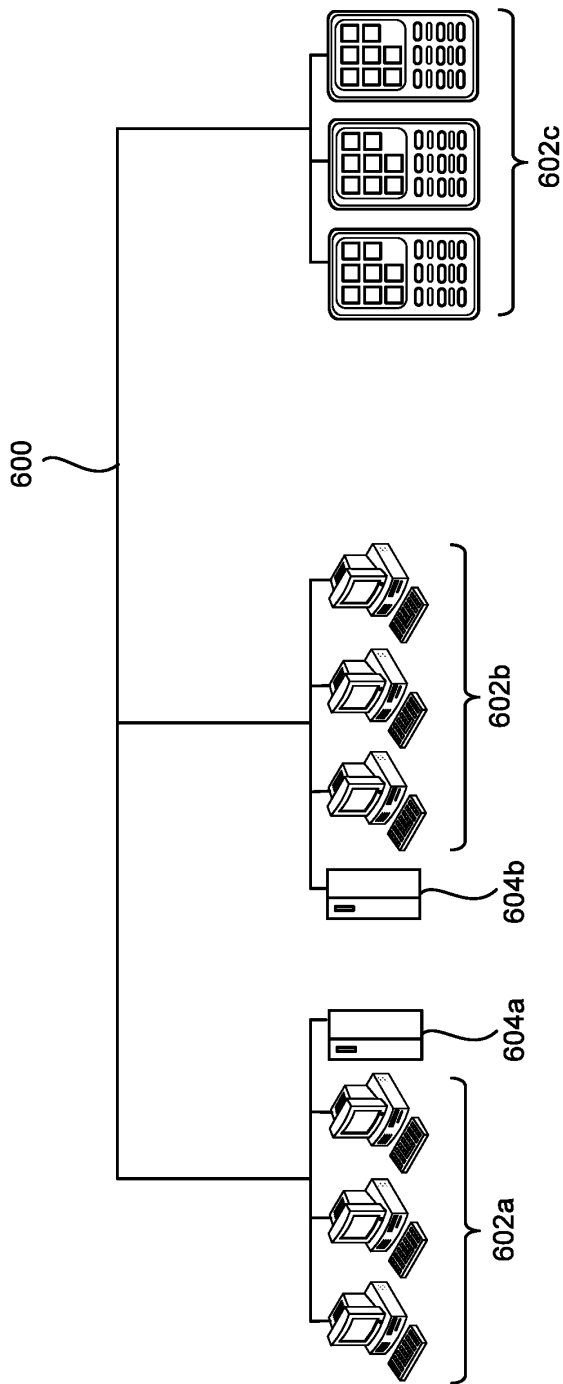
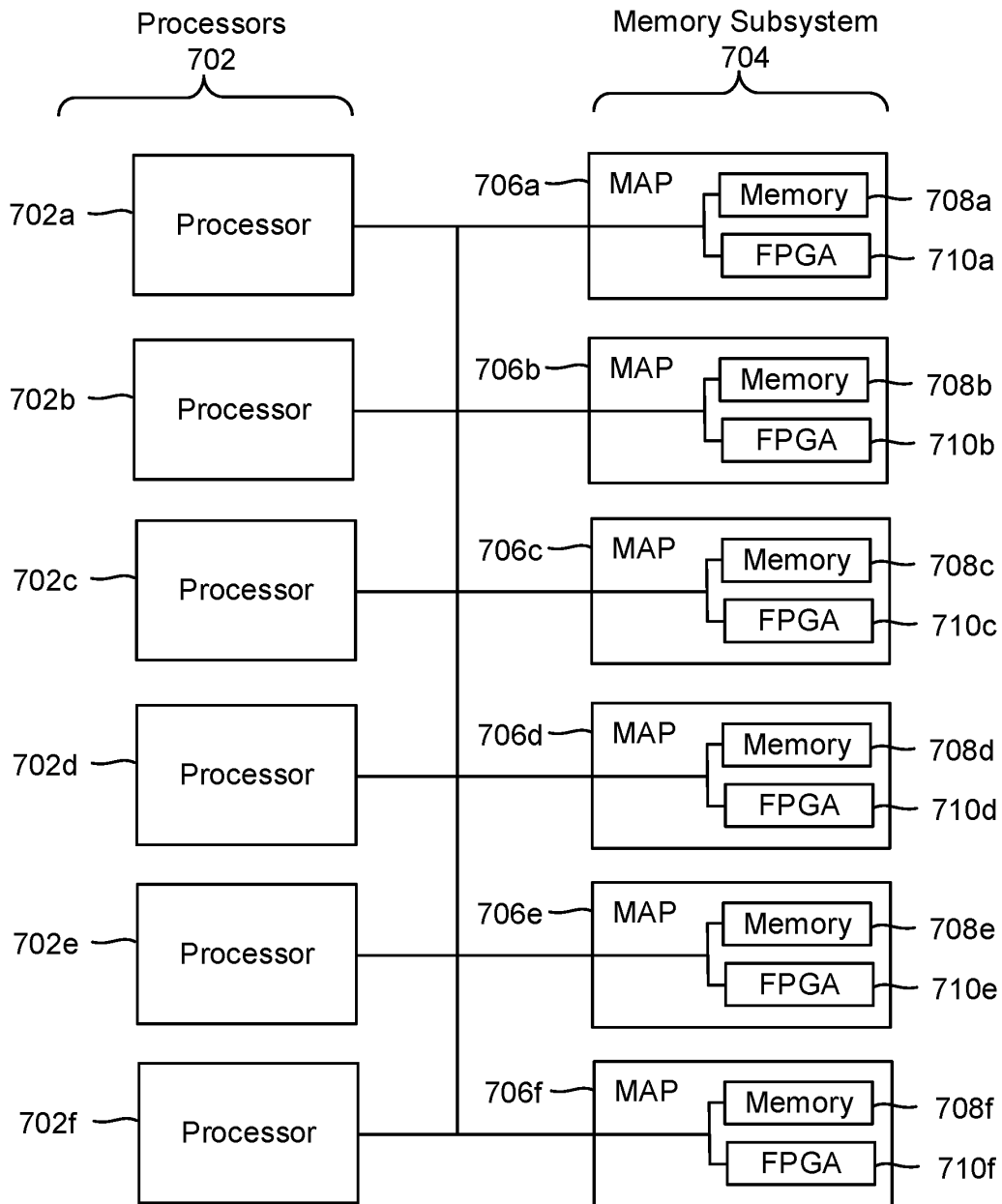


FIG. 6

**FIG. 7**

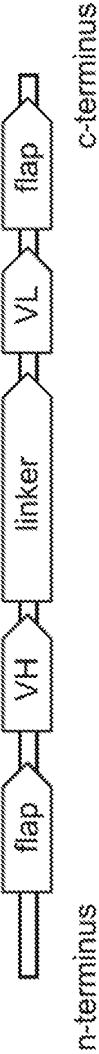


FIG. 8A

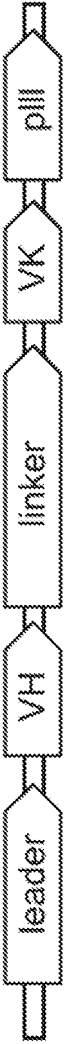


FIG. 8B

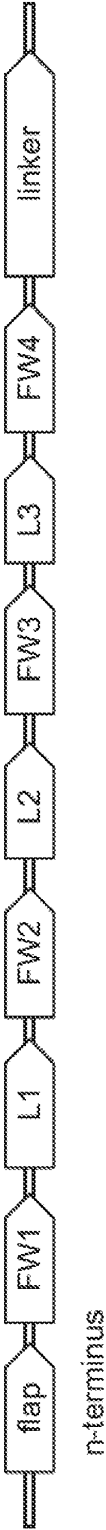


FIG. 8C

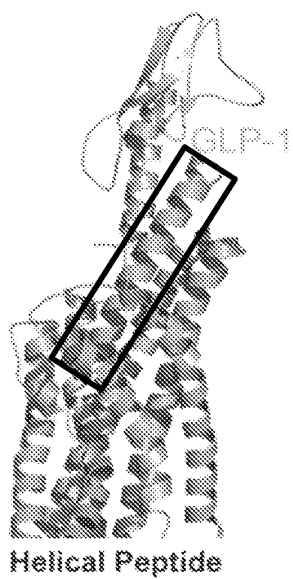


FIG. 9A

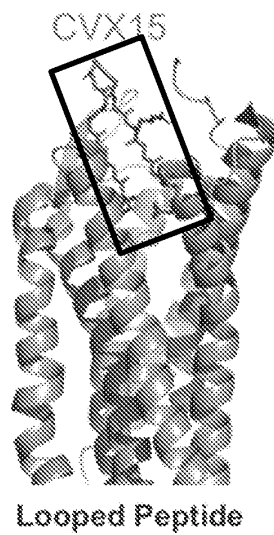


FIG. 9B

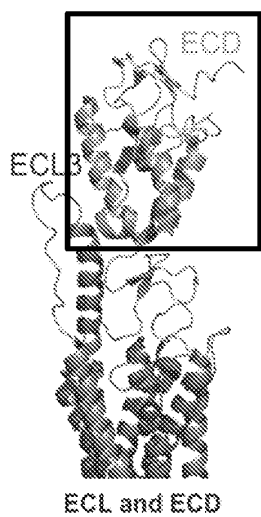


FIG. 9C

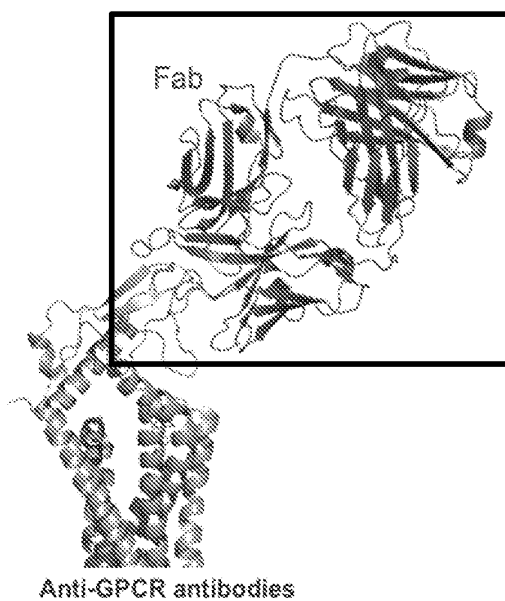


FIG. 9D

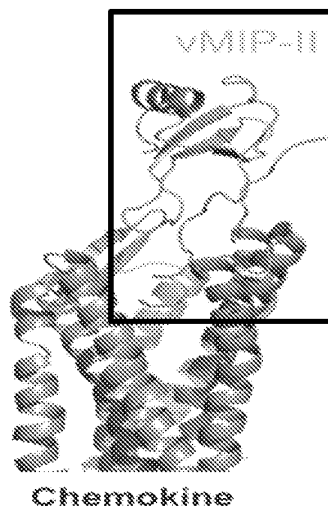


FIG. 9E

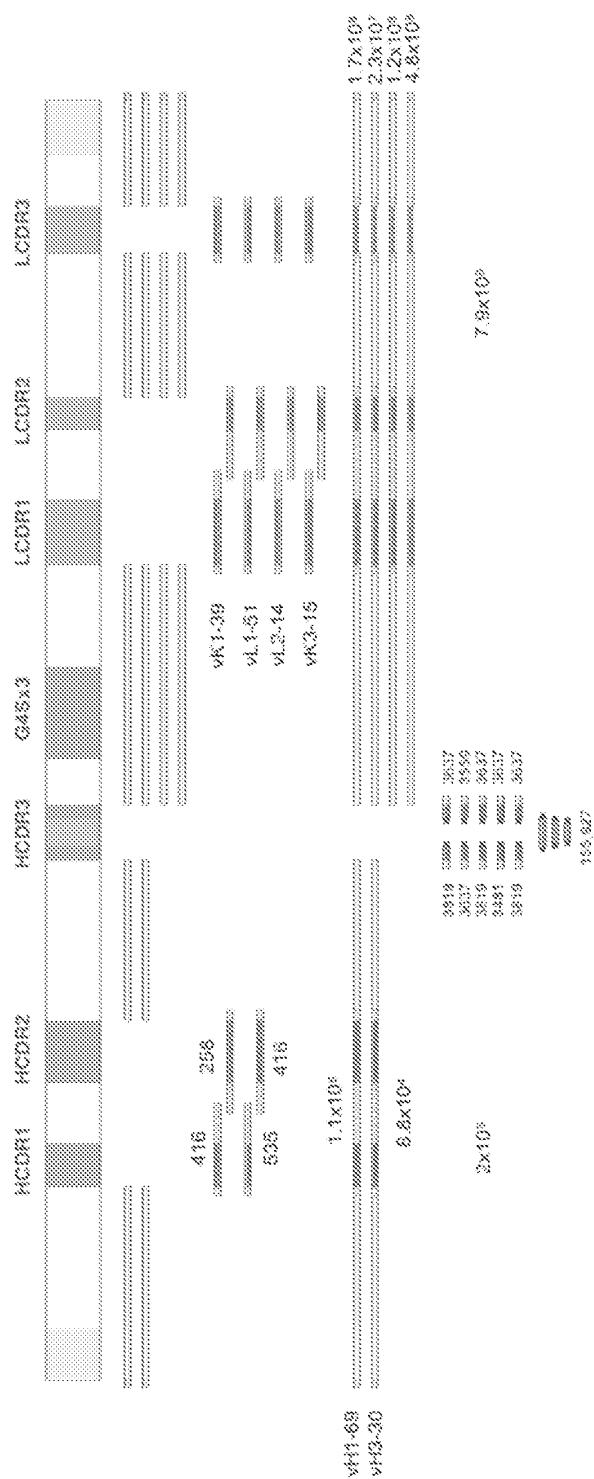
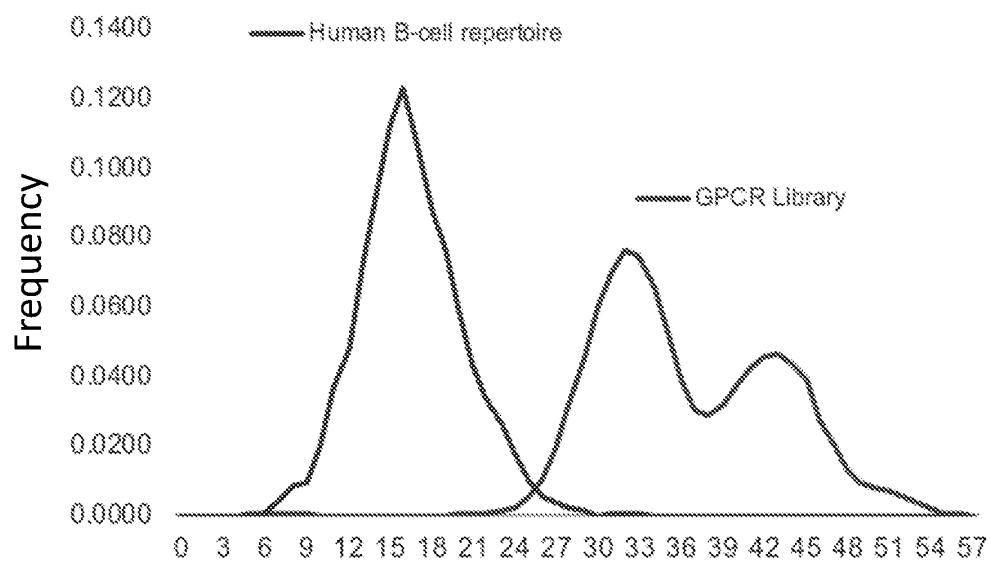


FIG. 10

**FIG. 11**

Clone	ELISA	Library	ProA (mg/ml)	K _D (nM)
TB31-1	5.7	VHH hShuffle	0.29	12
TB31-6	9.6	VHH hShuffle	0.29	14
TB31-26	5.1	VHH hShuffle	0.31	19
TB30-30	8.0	VHH Shuffle	0.11	23
TB31-32	8.0	VHH hShuffle	0.25	27
TB29-10	5.0	VHH Ratio	0.19	32
TB29-7	7.3	VHH Ratio	0.28	41
TB30-43	13.6	VHH Shuffle	0.18	44
TB31-8	12.7	VHH hShuffle	0.29	46
TB31-56	11.7	VHH hShuffle	0.26	46
TB30-52	4.2	VHH Shuffle	0.22	49
TB31-47	8.8	VHH hShuffle	0.23	53
TB30-15	9.3	VHH Shuffle	0.26	55
TB30-54	5.5	VHH Shuffle	0.30	58
TB30-49	10.3	VHH Shuffle	0.26	62
TB29-22	3.4	VHH Ratio	0.27	65
TB29-30	9.2	VHH Ratio	0.28	65
TB31-35	5.7	VHH hShuffle	0.24	66
TB29-1	10.4	VHH Ratio	0.09	68
TB29-6	6.8	VHH Ratio	0.29	69
TB31-34	6.0	VHH hShuffle	0.32	70
TB29-12	6.2	VHH Ratio	0.23	70
TB30-1	5.4	VHH Shuffle	0.39	71
TB29-33	3.9	VHH Ratio	0.15	74
TB30-20	4.6	VHH Shuffle	0.19	74
TB31-20	6.6	VHH hShuffle	0.37	74
TB31-24	3.1	VHH hShuffle	0.15	75
TB30-14	9.9	VHH Shuffle	0.19	75
TB30-53	7.6	VHH Shuffle	0.24	78
TB31-39	9.9	VHH hShuffle	0.32	78
TB29-18	10.9	VHH Ratio	0.19	78
TB30-9	8.0	VHH Shuffle	0.40	79
TB29-34	8.6	VHH Ratio	0.21	80
TB29-27	8.6	VHH Ratio	0.18	82
TB29-20	5.9	VHH Ratio	0.26	83
TB30-55	6.0	VHH Shuffle	0.41	85
TB30-39	6.1	VHH Shuffle	0.07	88
TB31-15	6.2	VHH hShuffle	0.32	88
TB29-21	4.3	VHH Ratio	0.23	88
TB29-37	5.3	VHH Ratio	0.26	89
TB29-40	6.6	VHH Ratio	0.31	90
TB31-30	3.2	VHH hShuffle	0.33	93
TB31-10	12.3	VHH hShuffle	0.31	94
TB29-3	13.6	VHH Ratio	0.11	94
TB30-57	5.2	VHH Shuffle	0.24	95
TB29-31	4.4	VHH Ratio	0.18	96
TB31-27	8.1	VHH hShuffle	0.31	96
TB31-33	6.0	VHH hShuffle	0.32	96
TB30-40	7.1	VHH Shuffle	0.21	99
TB31-18	4.1	VHH hShuffle	0.36	99
TB30-5	9.3	VHH Shuffle	0.05	100

FIG. 12

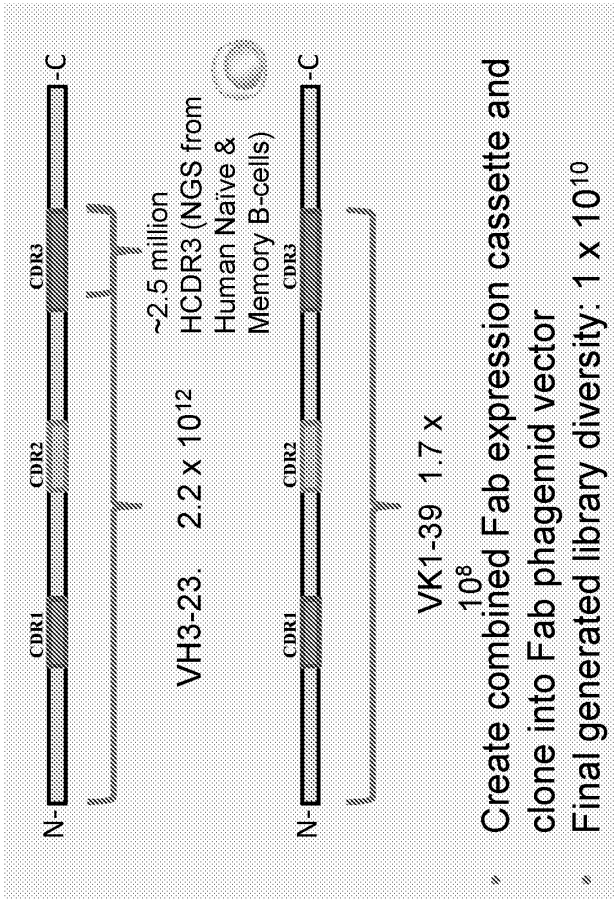
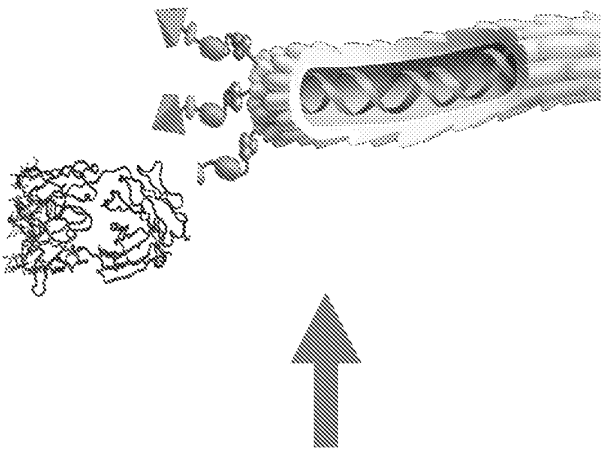


FIG. 13

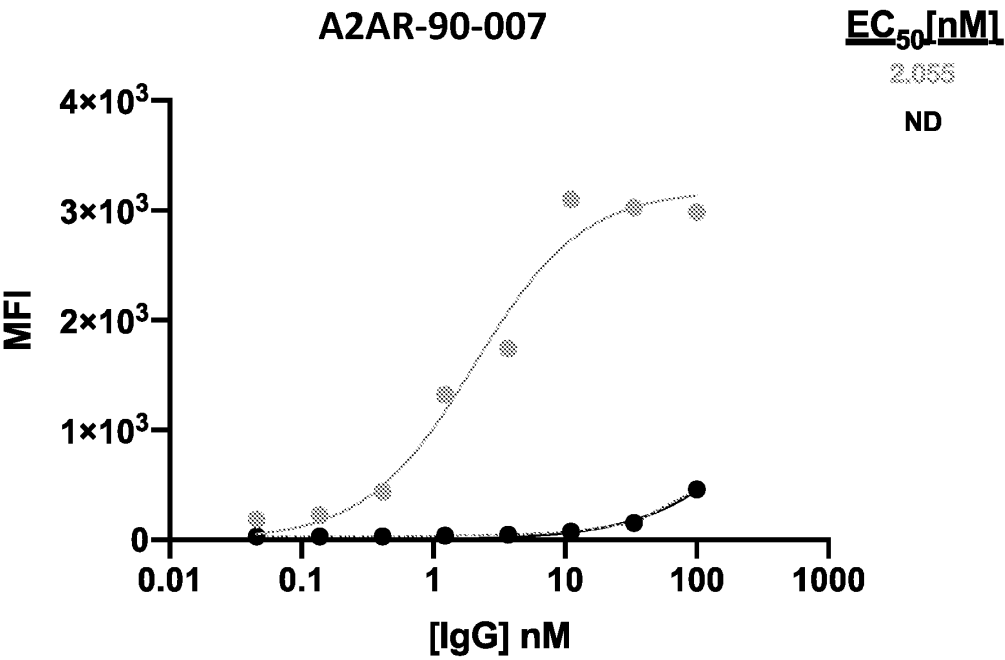


FIG. 14A

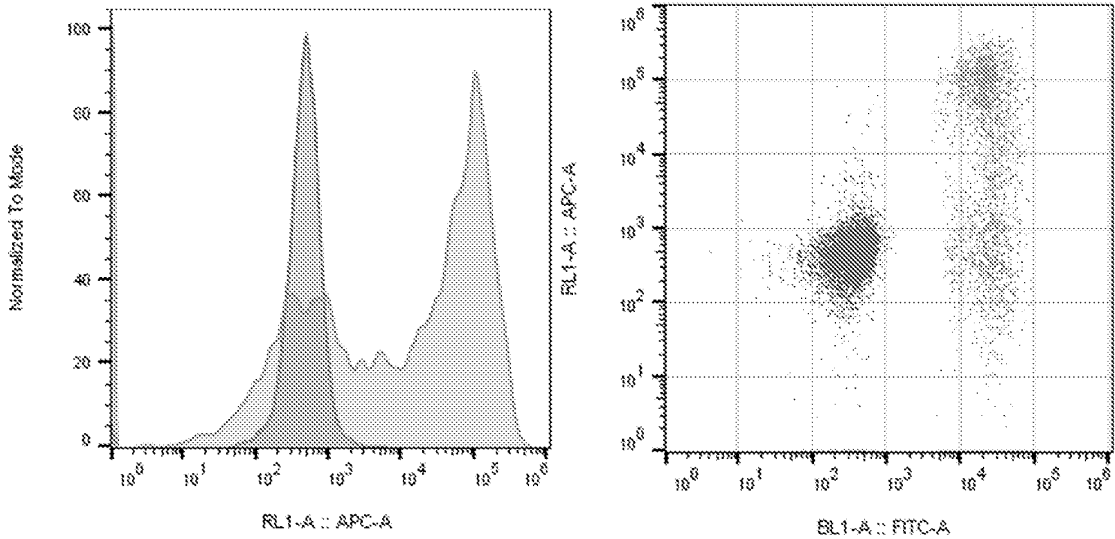


FIG. 14B

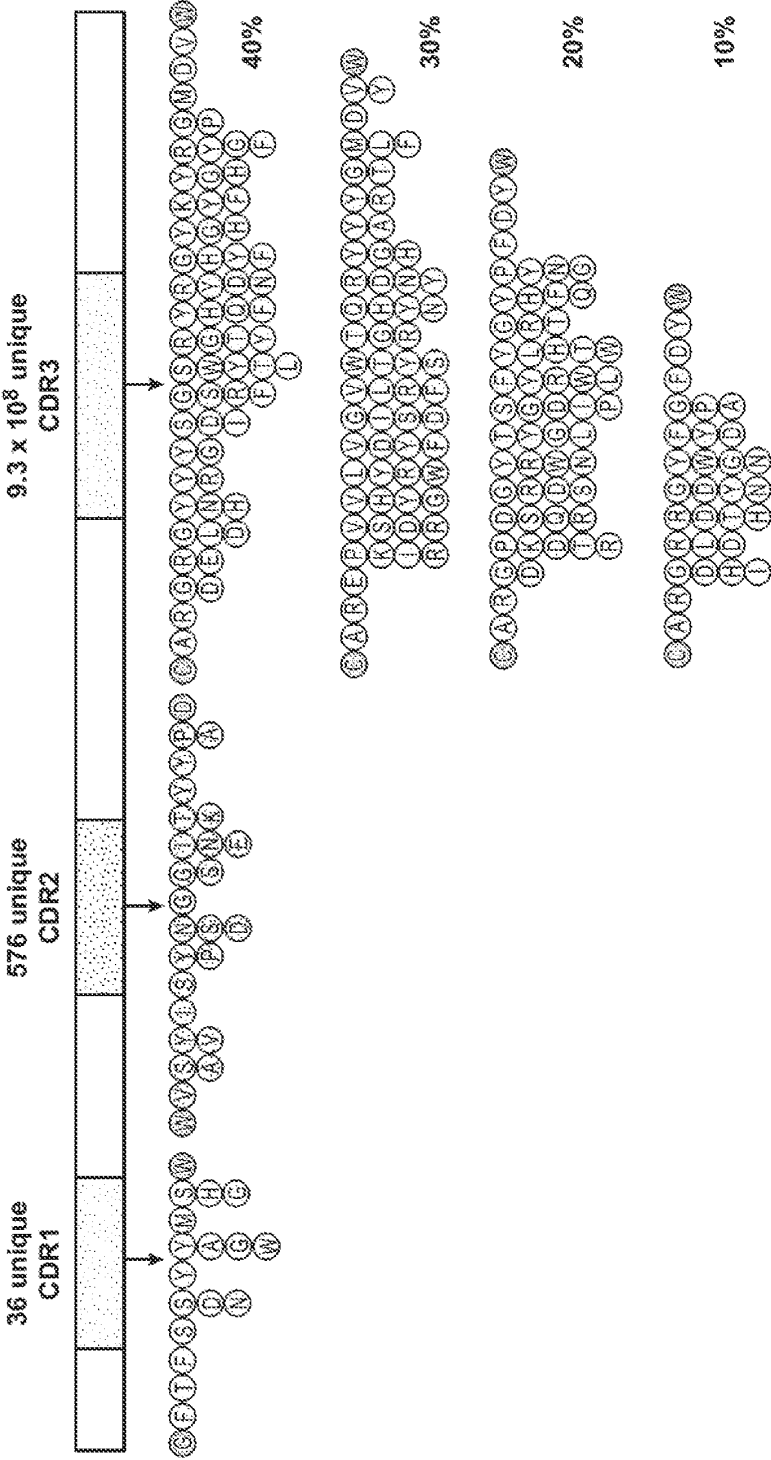


FIG. 15A

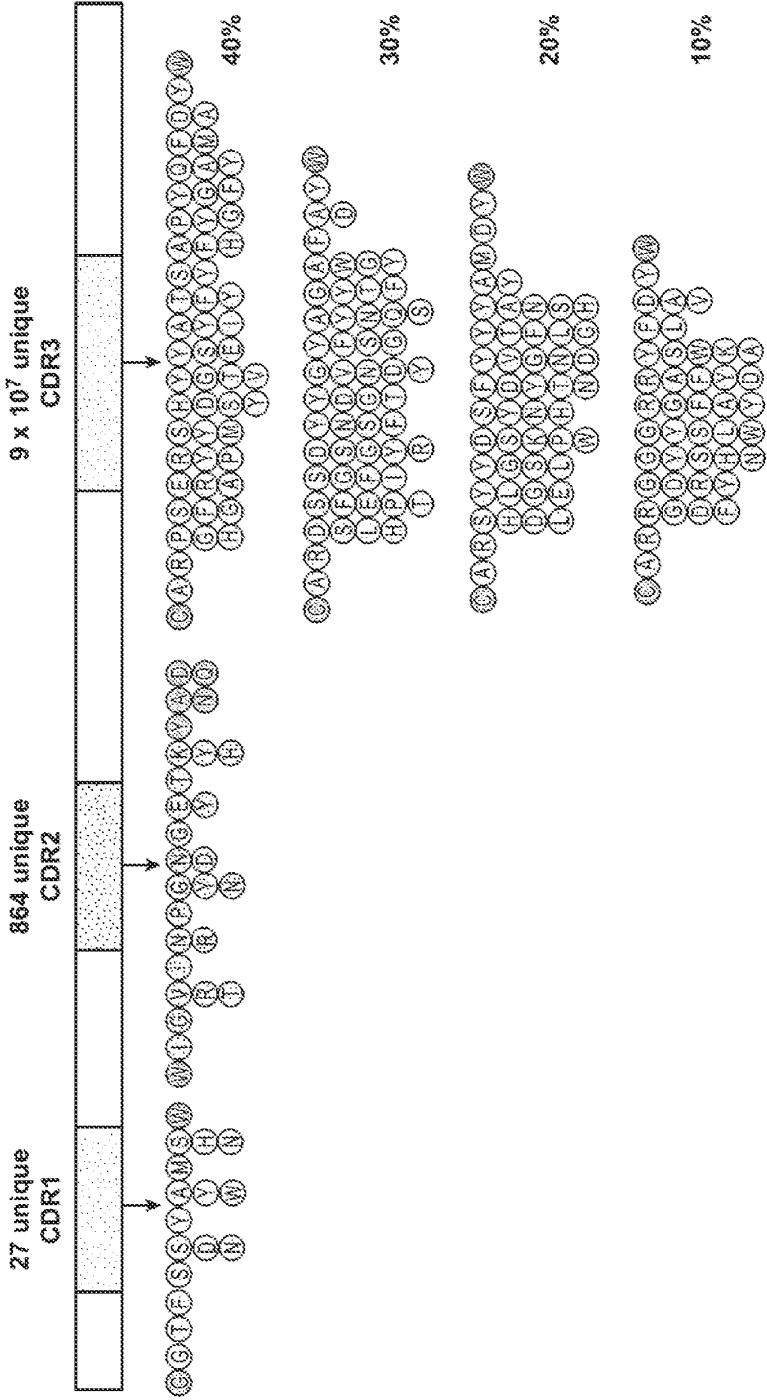


FIG. 15B

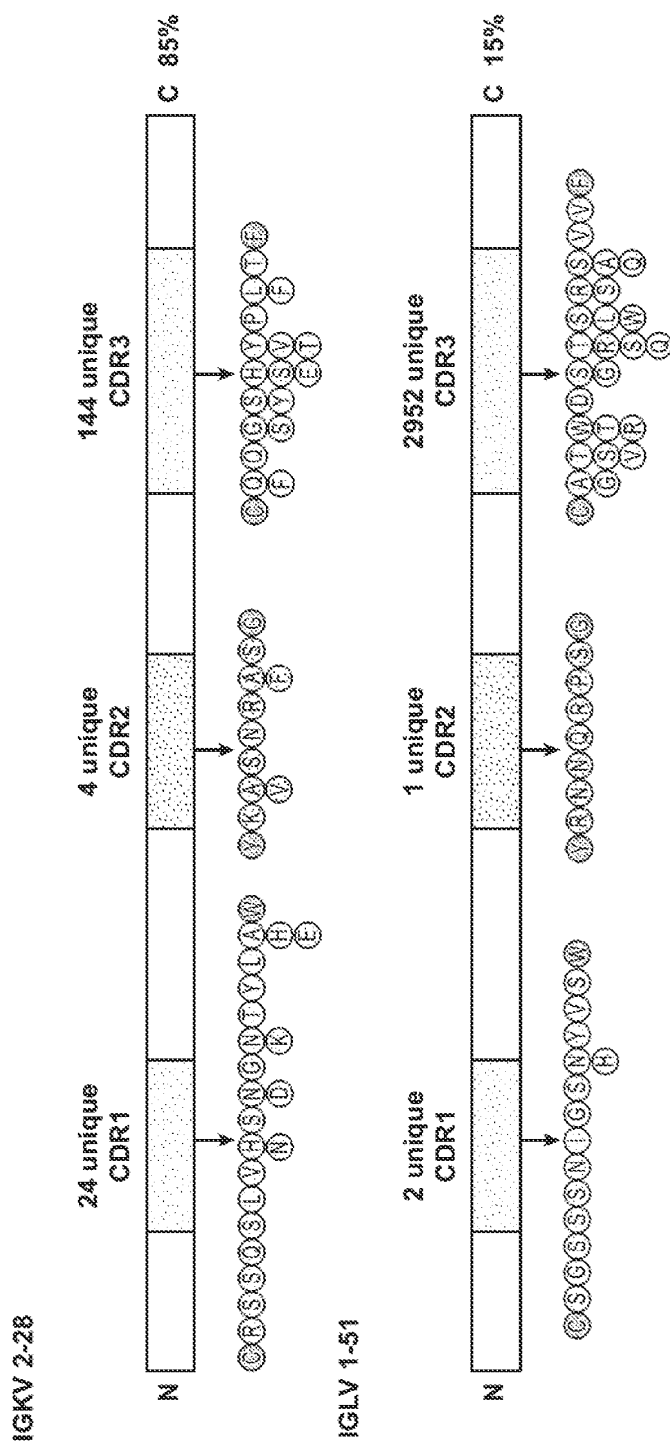


FIG. 15C

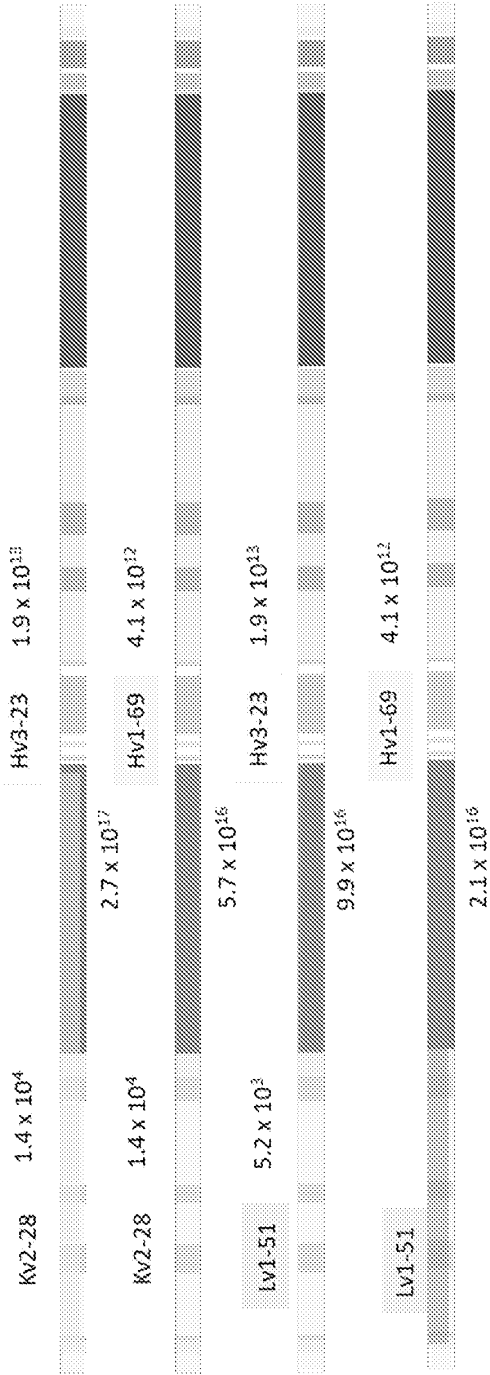


FIG. 15D

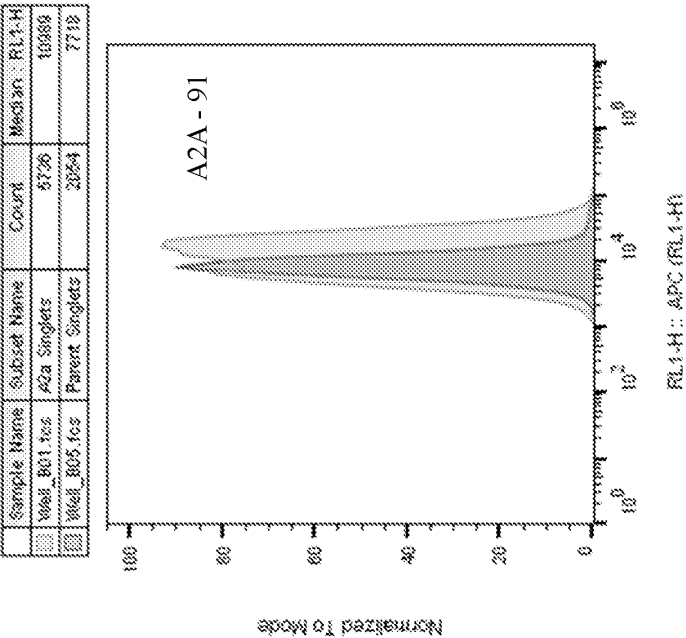


FIG. 16B

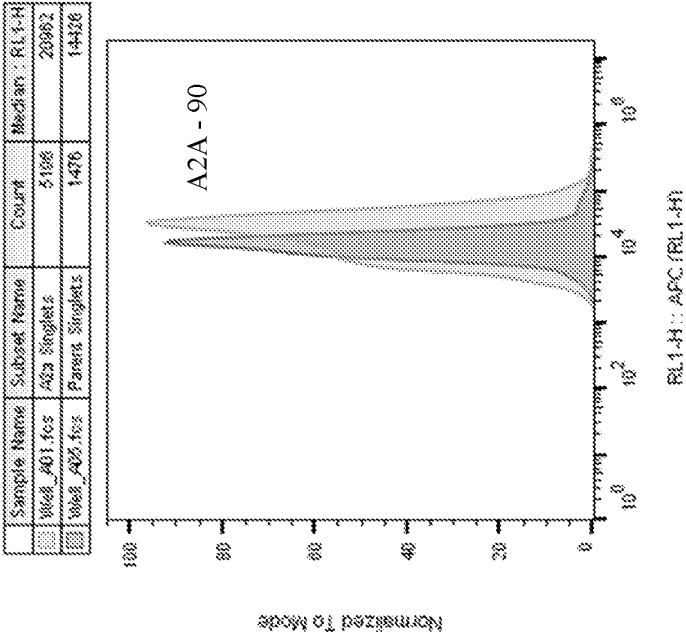


FIG. 16A

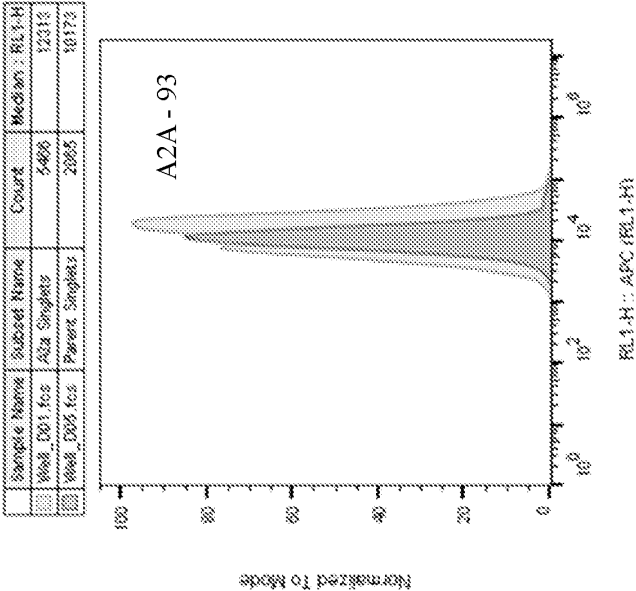


FIG. 16D

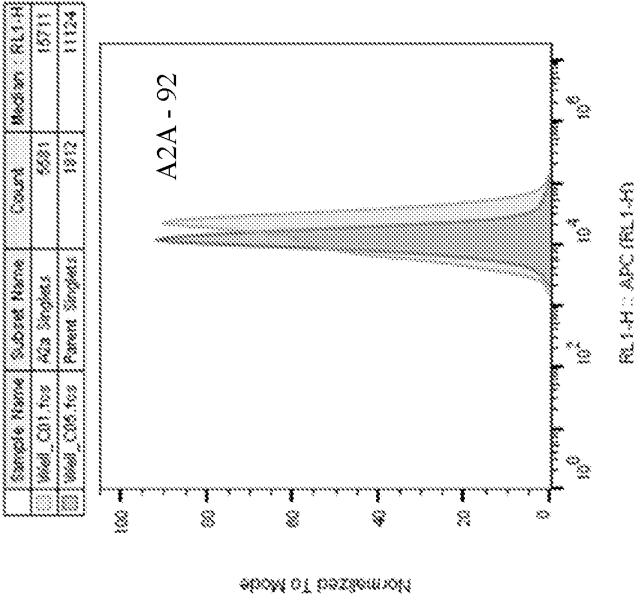


FIG. 16C

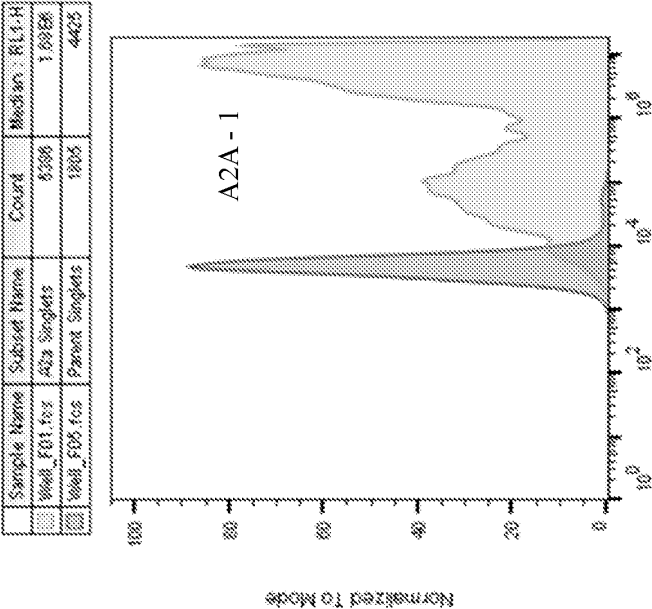


FIG. 16F

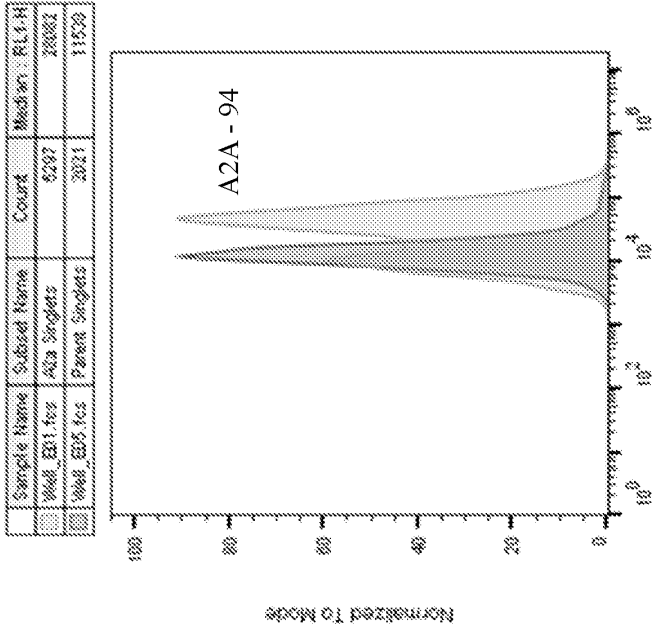


FIG. 16E

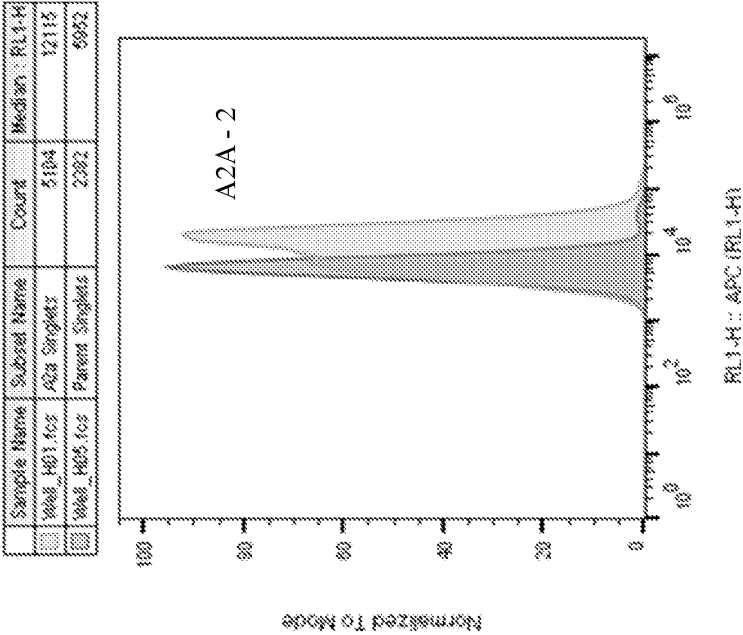


FIG. 16H

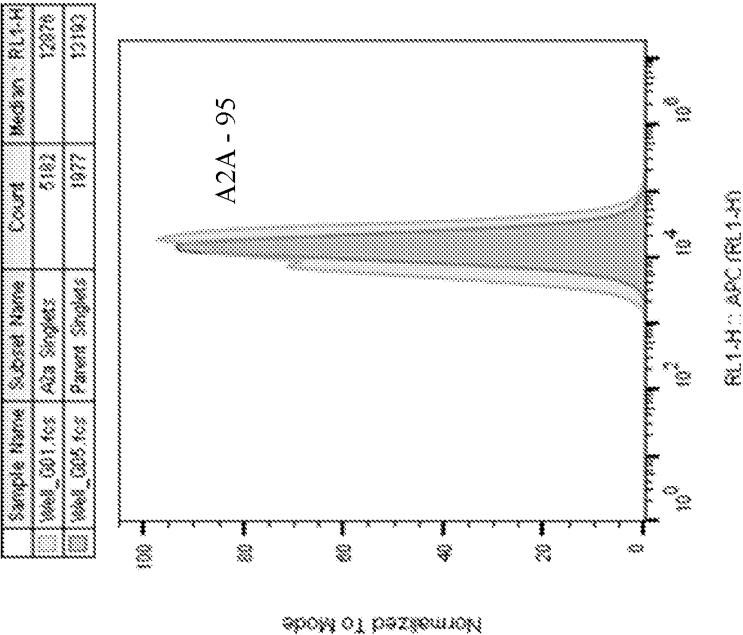


FIG. 16G

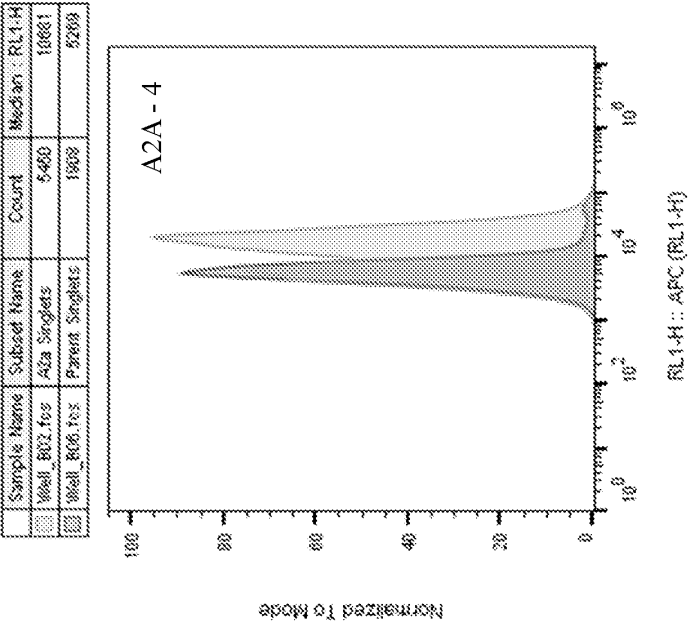


FIG. 16J

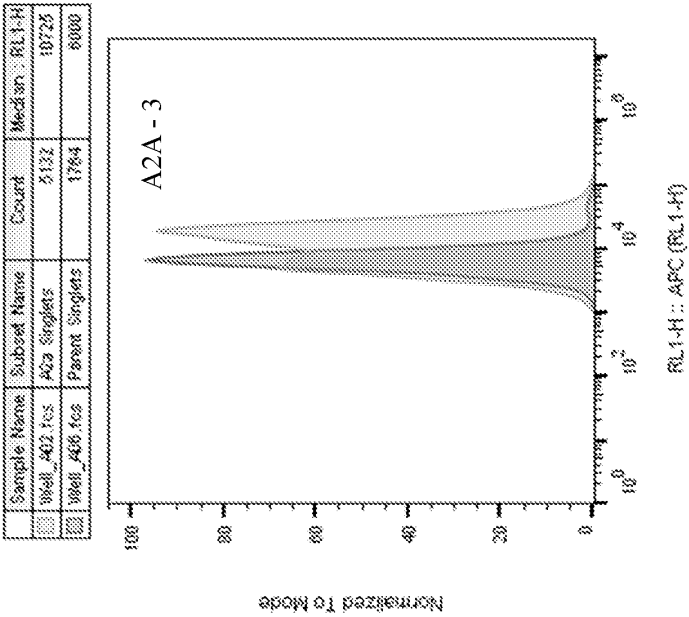


FIG. 16I

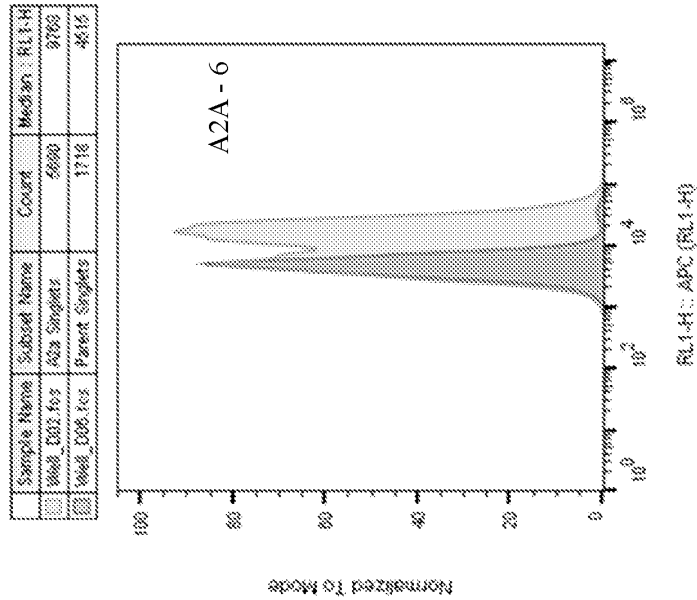


FIG. 16L

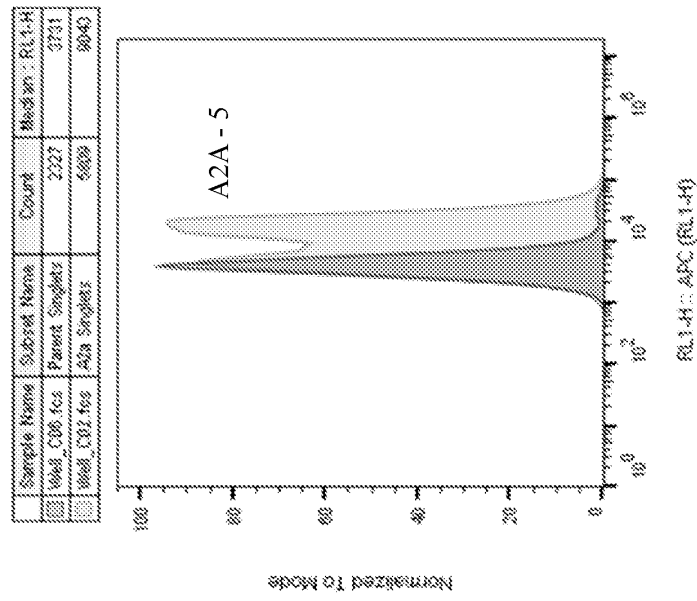


FIG. 16K

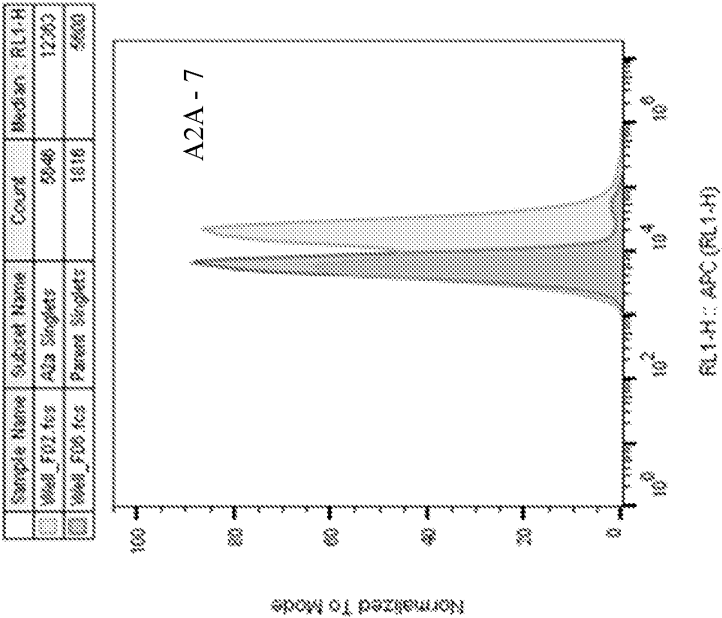


FIG. 16N

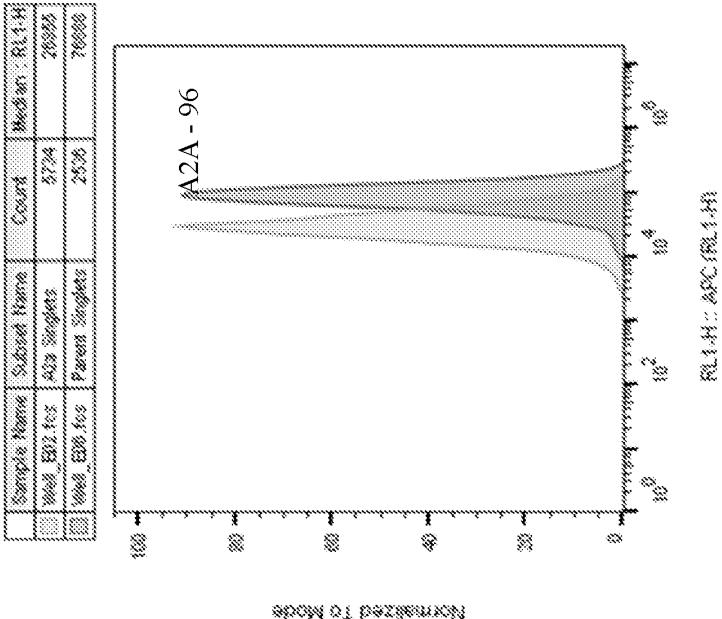


FIG. 16M

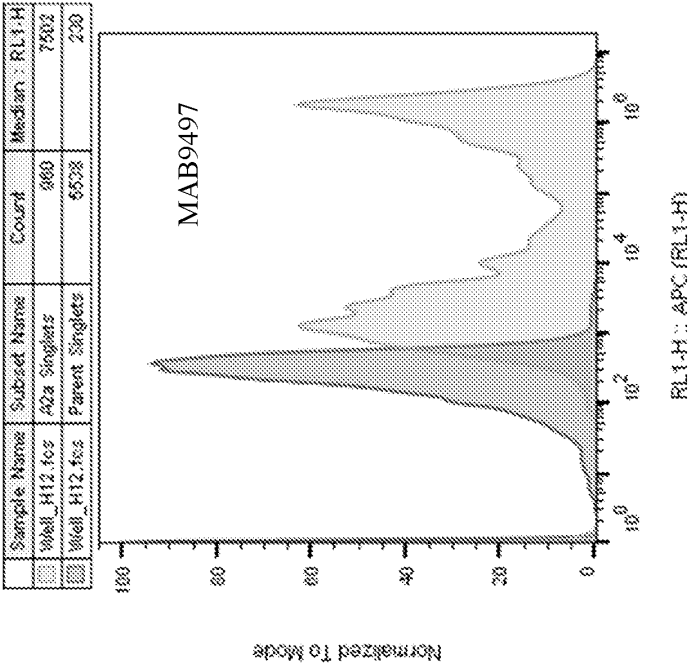


FIG. 160

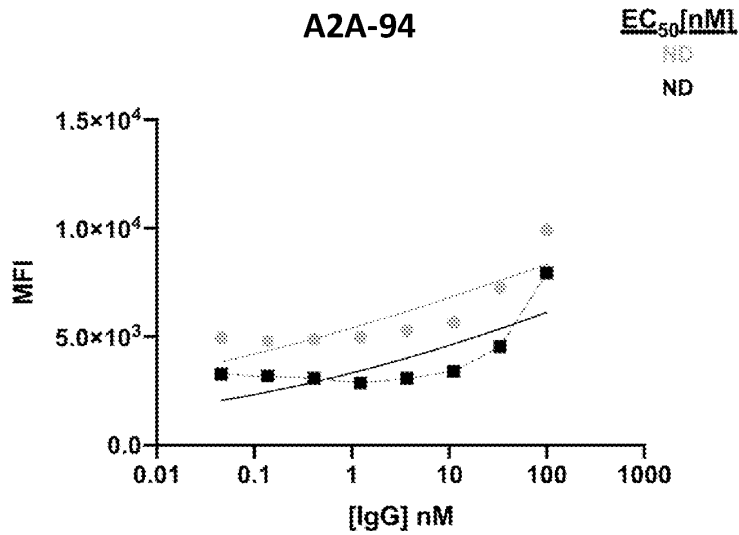


FIG. 17A

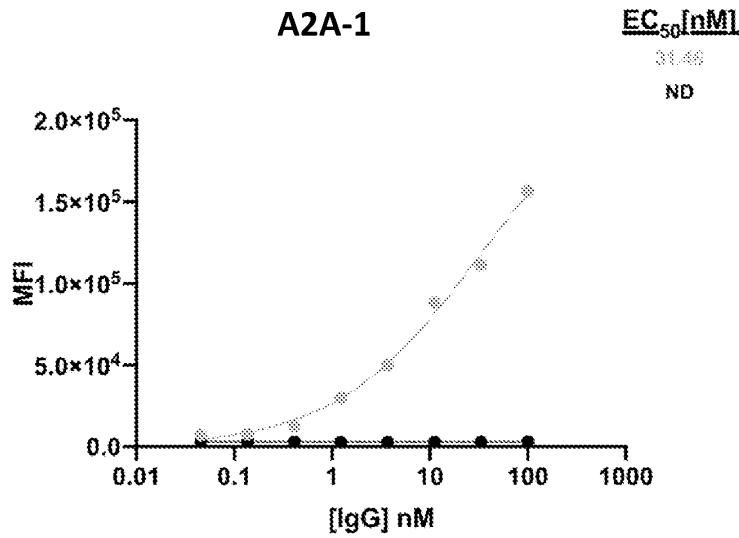


FIG. 17B

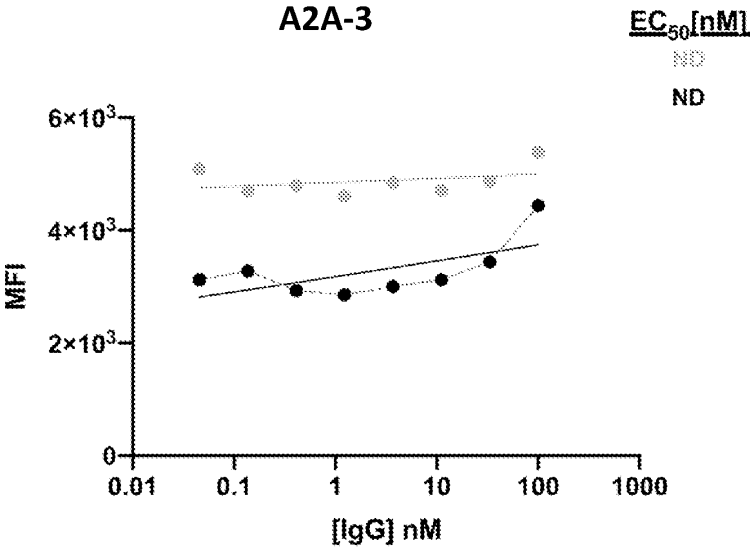


FIG. 17C

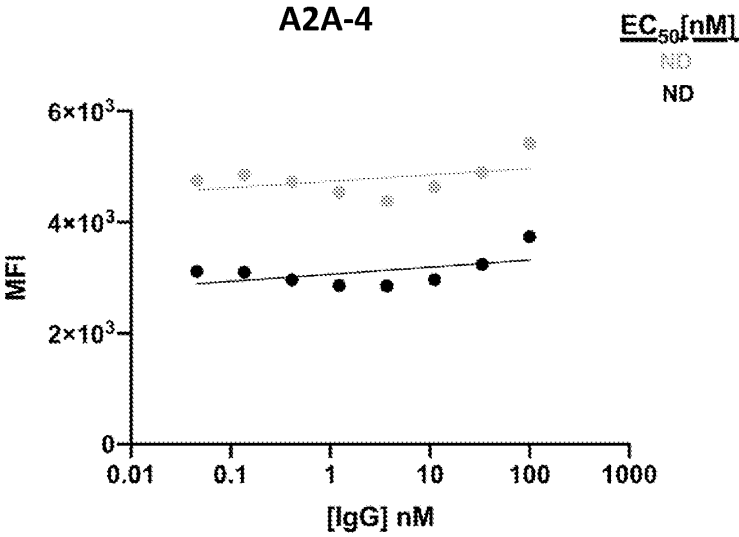


FIG. 17D

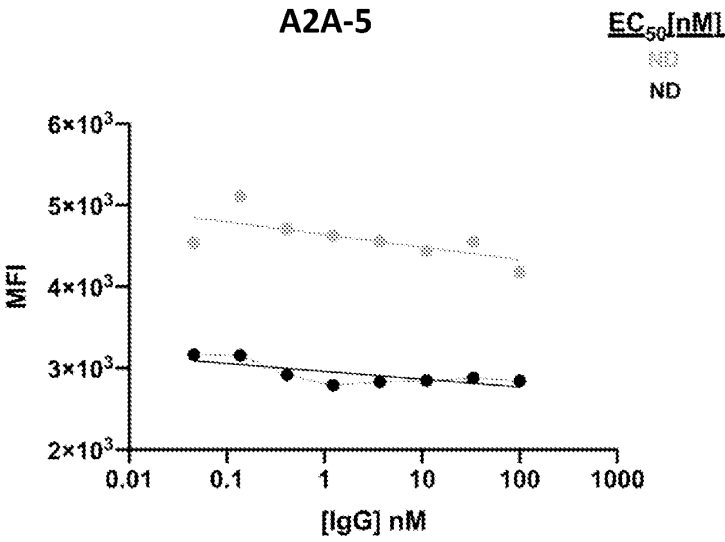


FIG. 17E

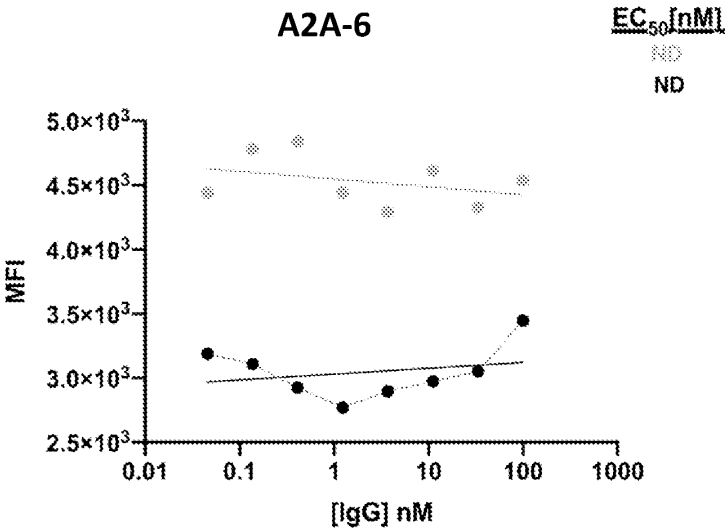


FIG. 17F

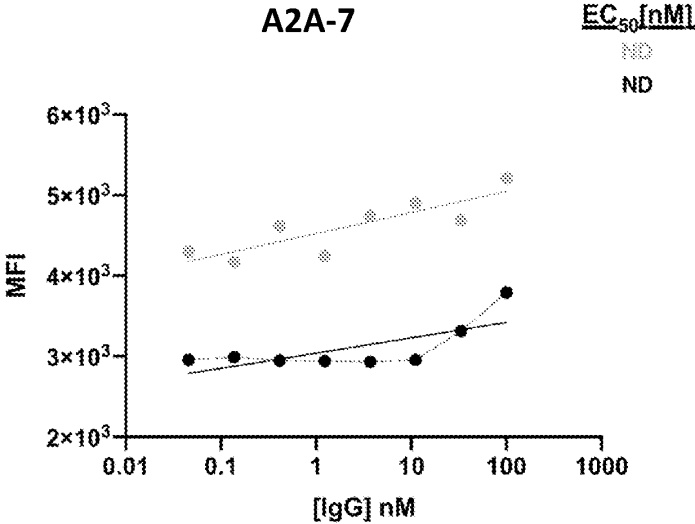


FIG. 17G

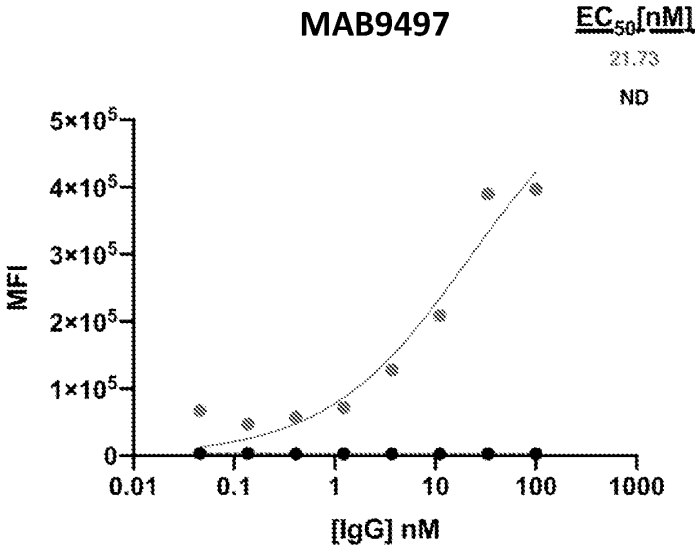


FIG. 17H

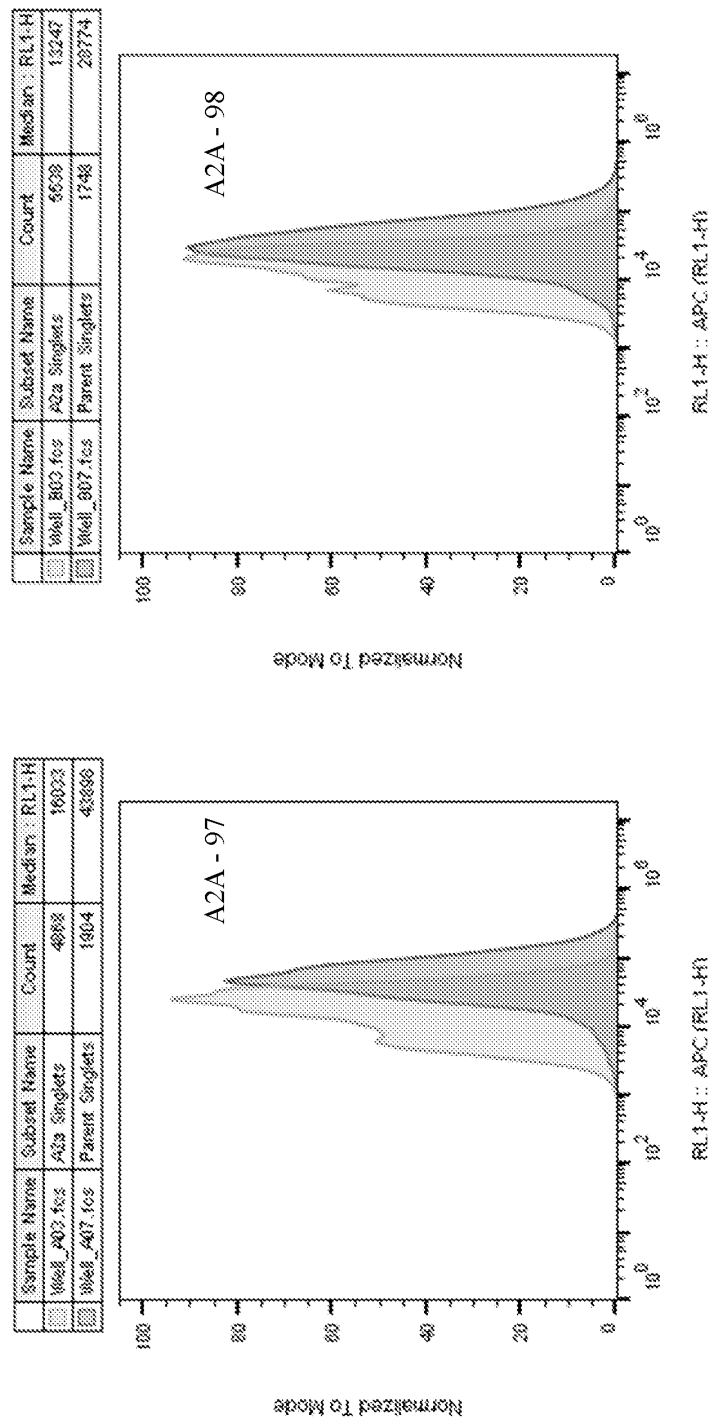


FIG. 18A

FIG. 18B

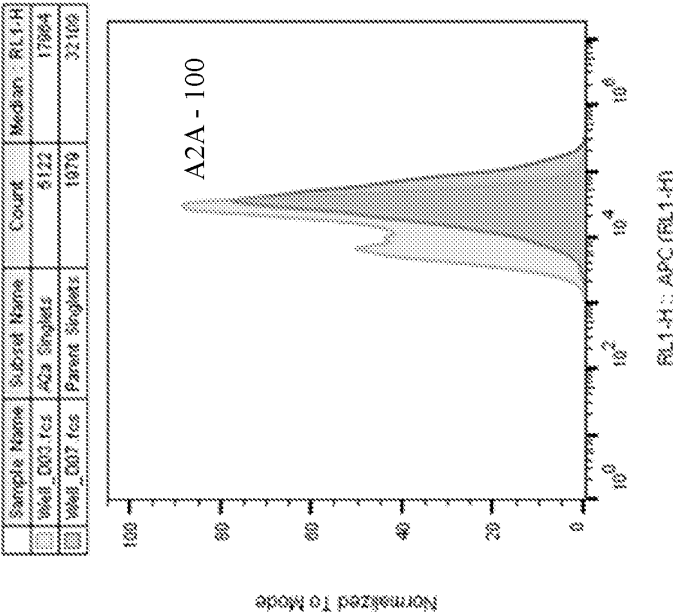


FIG. 18D

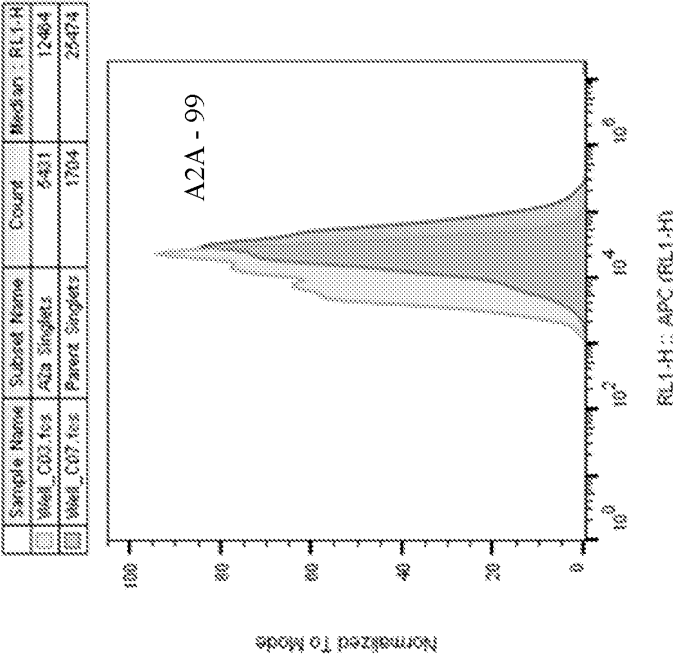


FIG. 18C

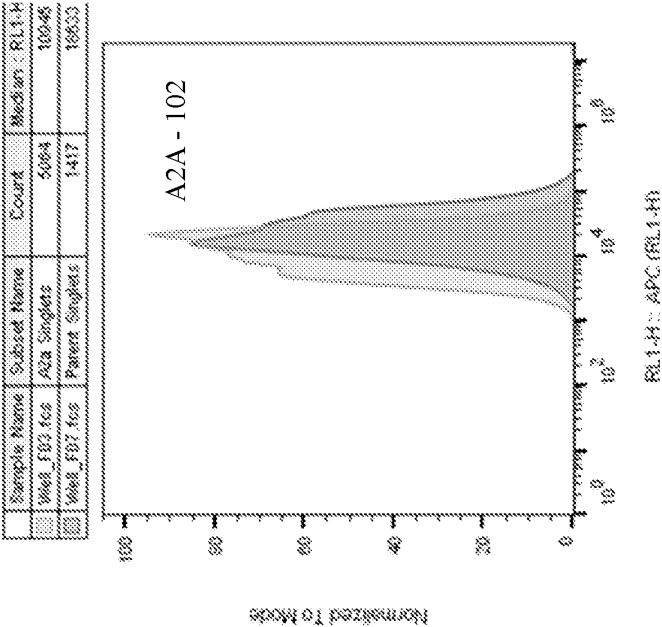


FIG. 18F

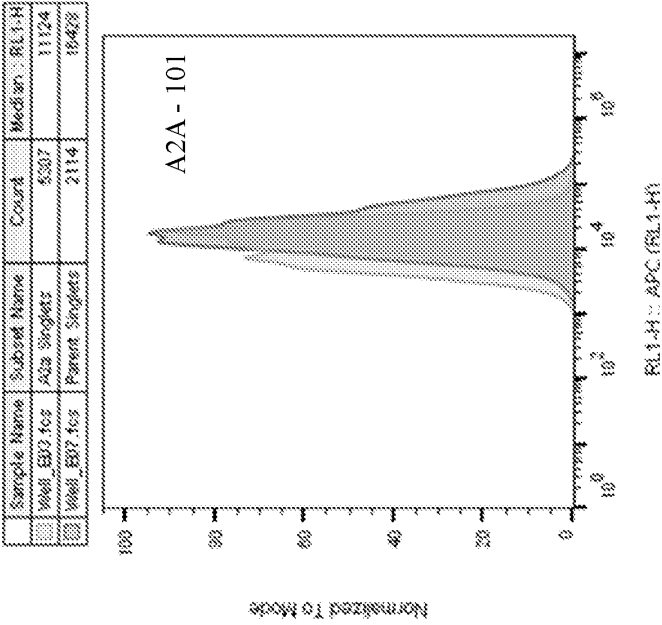


FIG. 18E

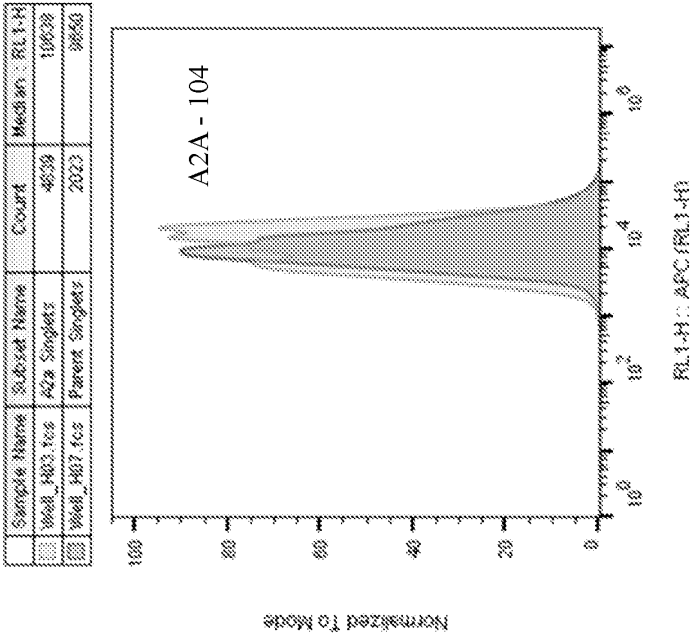


FIG. 18H

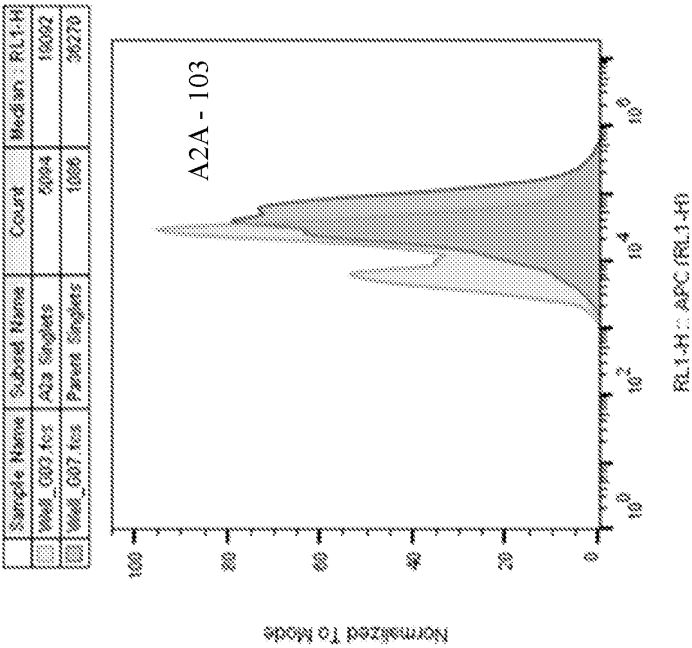


FIG. 18G

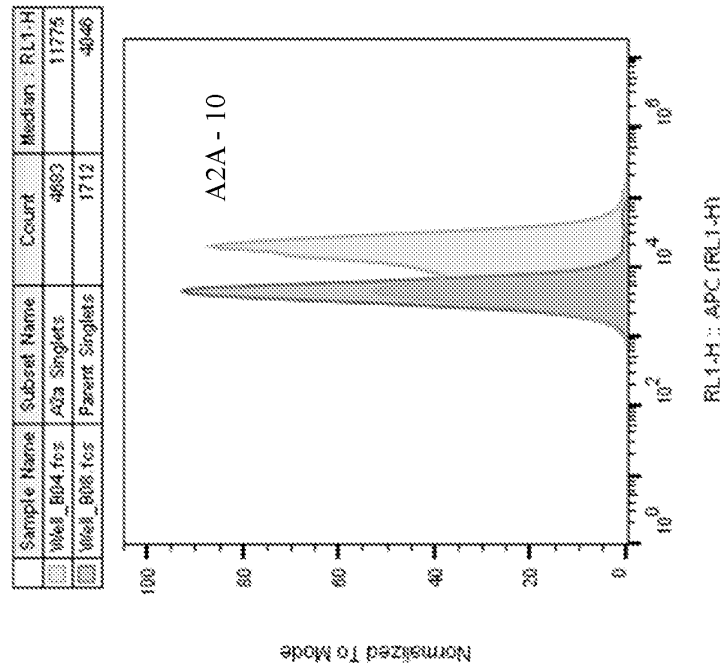


FIG. 18J

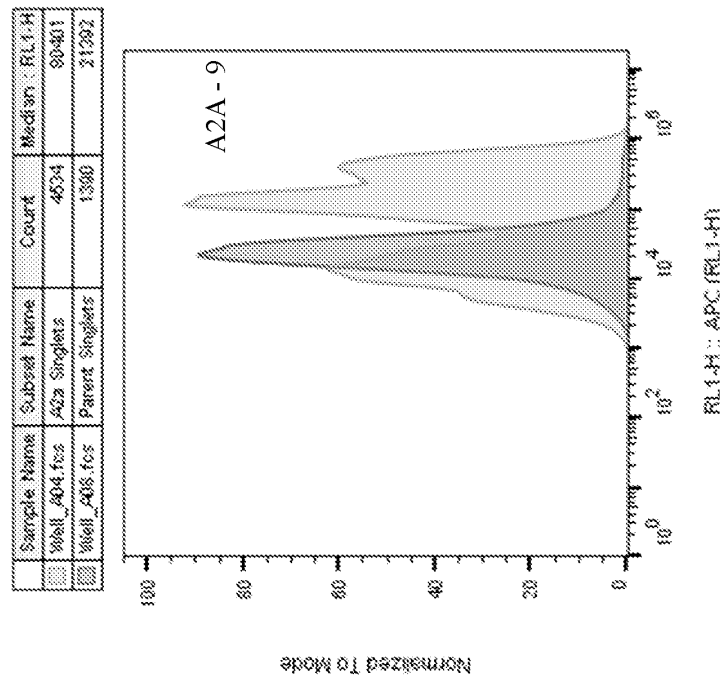


FIG. 18I

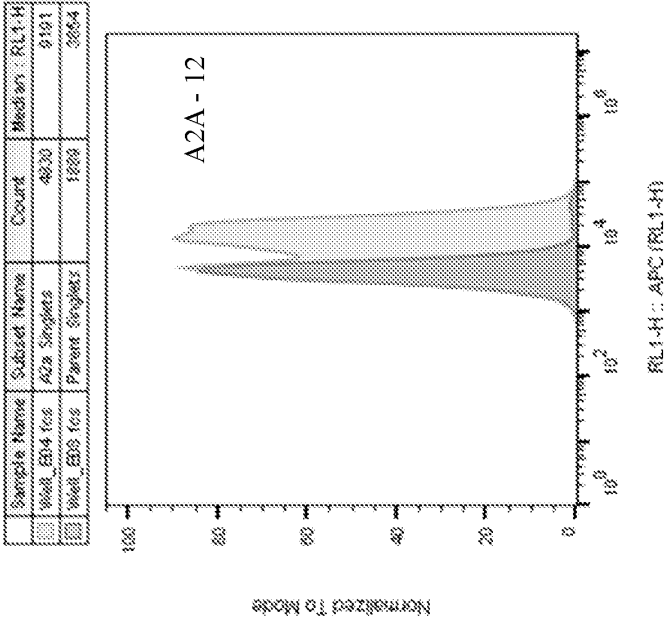


FIG. 18L

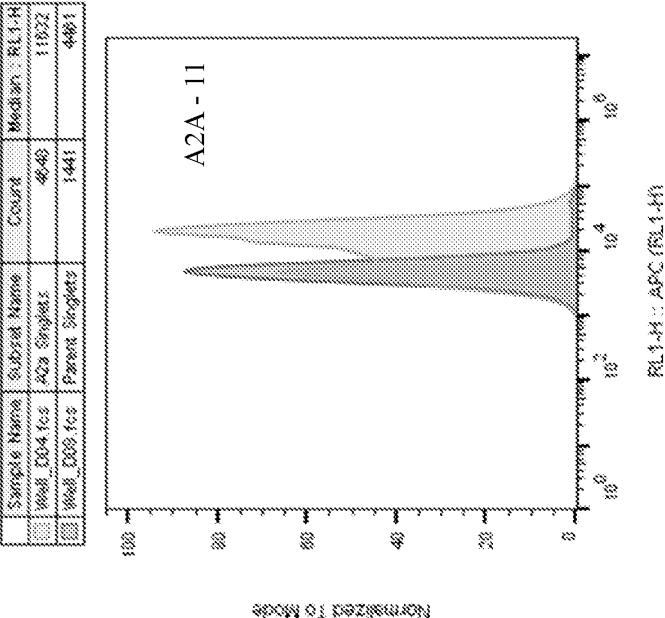


FIG. 18K

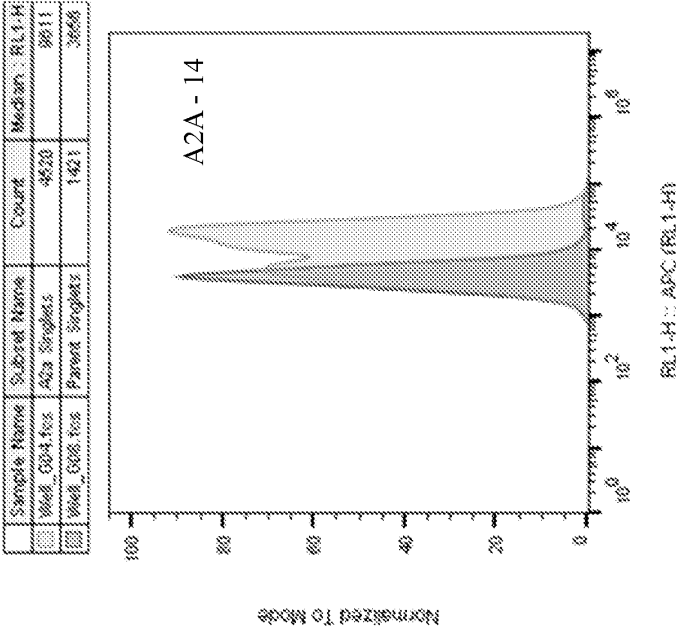


FIG. 18N

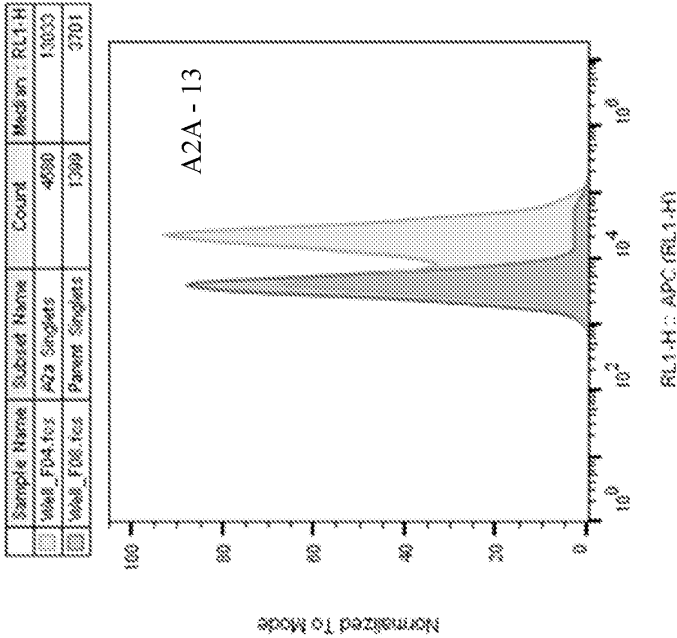


FIG. 18M

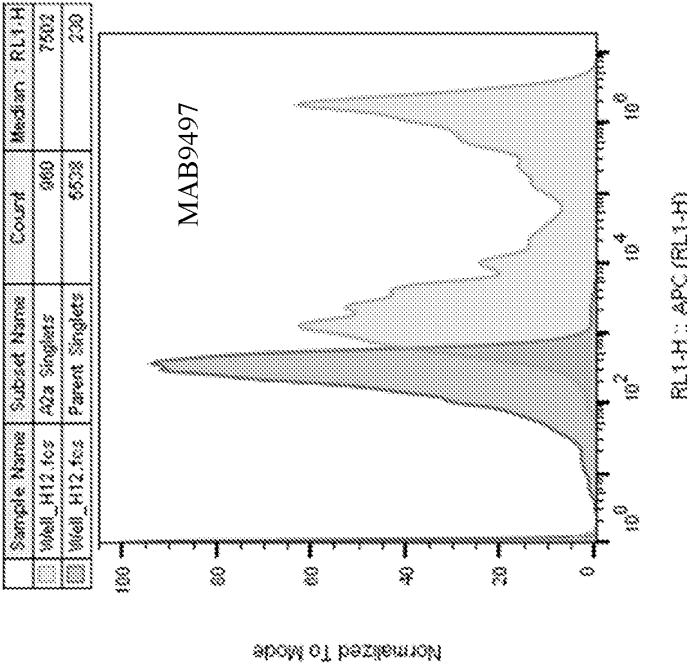


FIG. 180

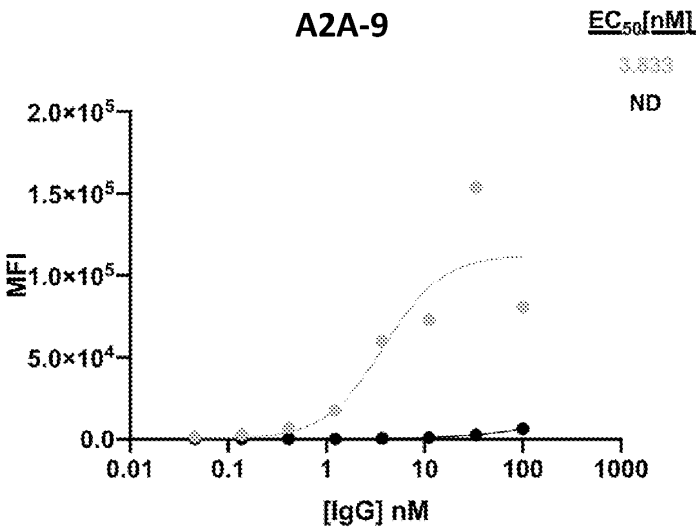


FIG. 19A

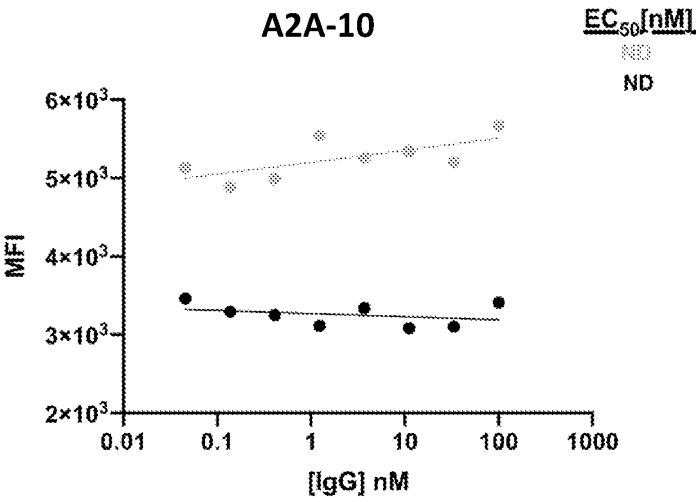


FIG. 19B

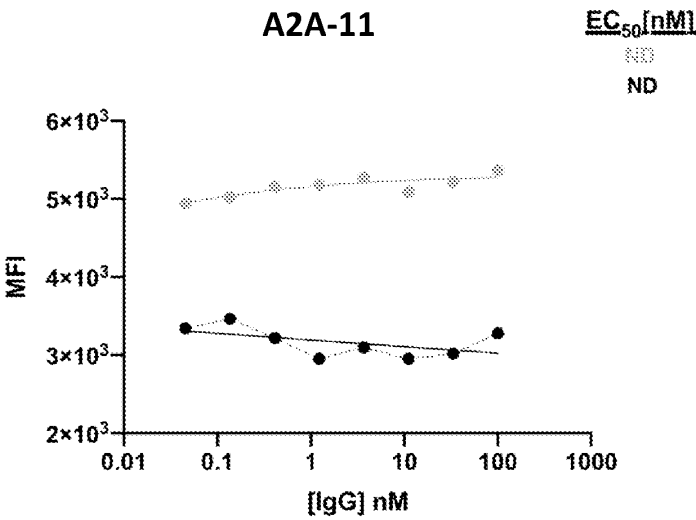


FIG. 19C

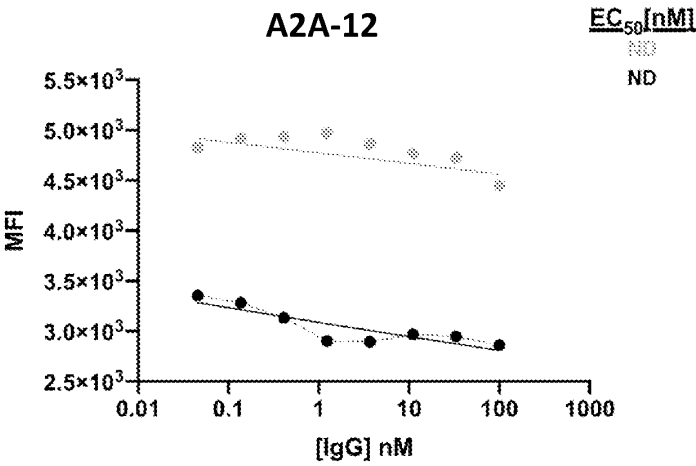


FIG. 19D

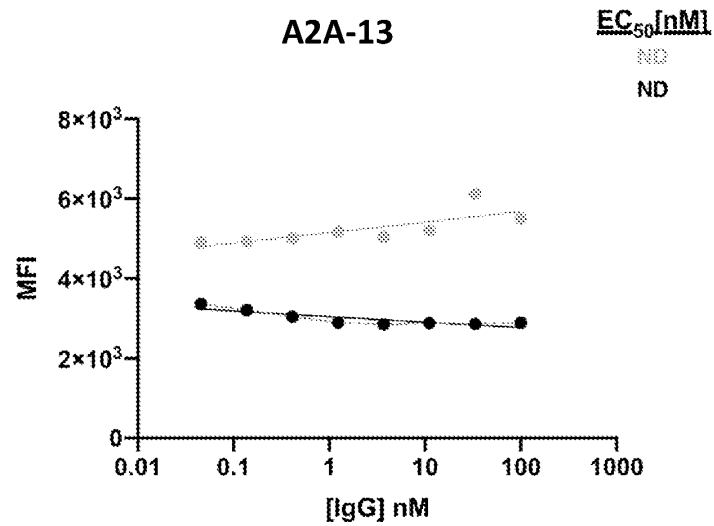


FIG. 19E

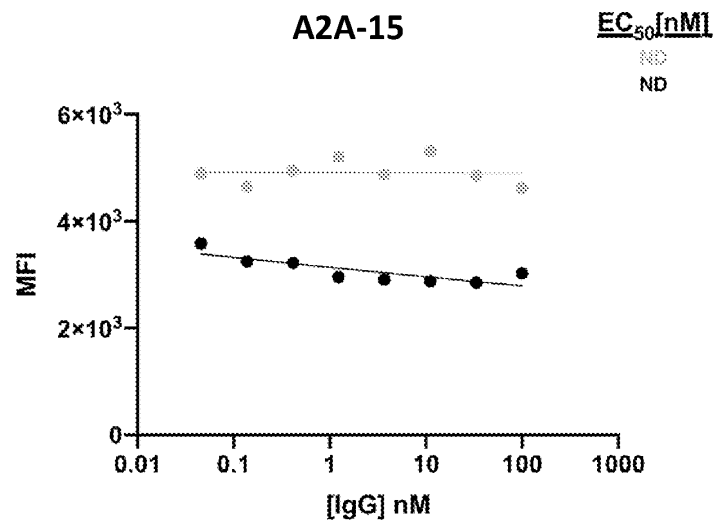


FIG. 19F

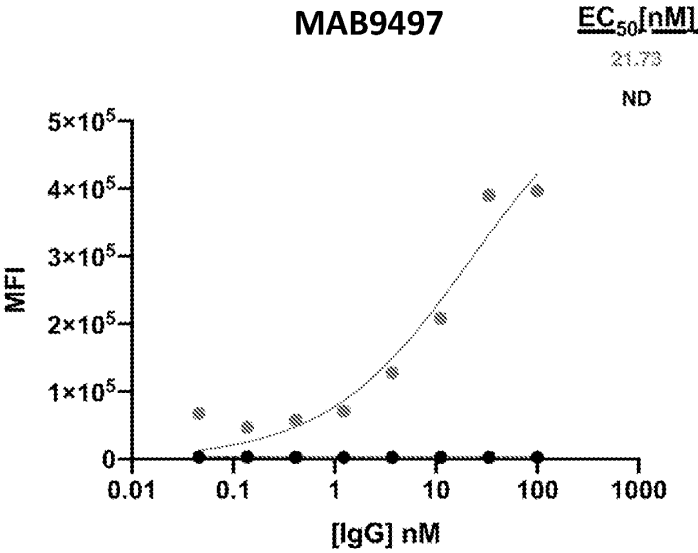


FIG. 19G

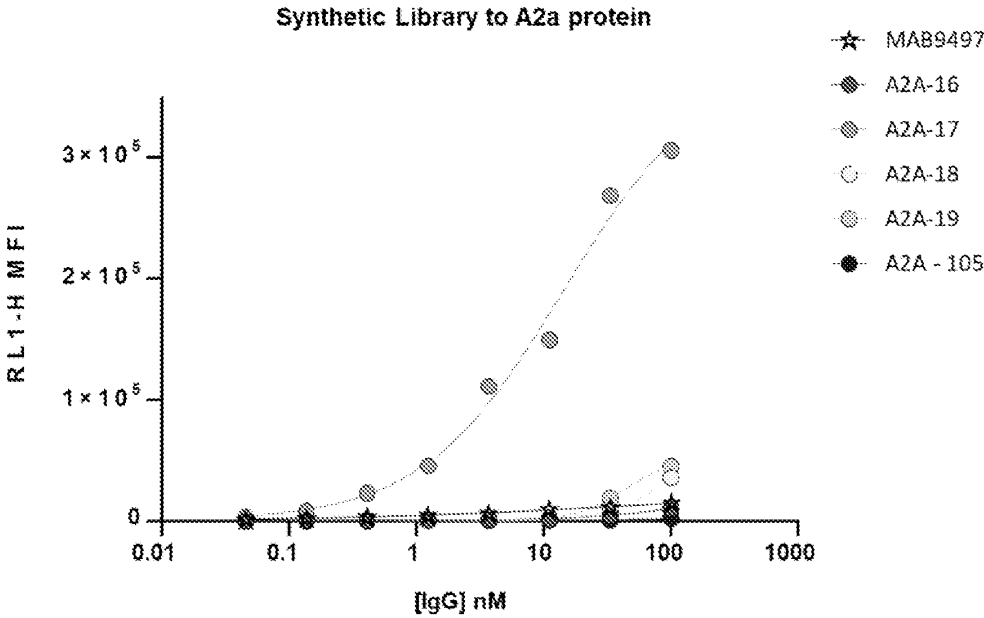


FIG. 20A

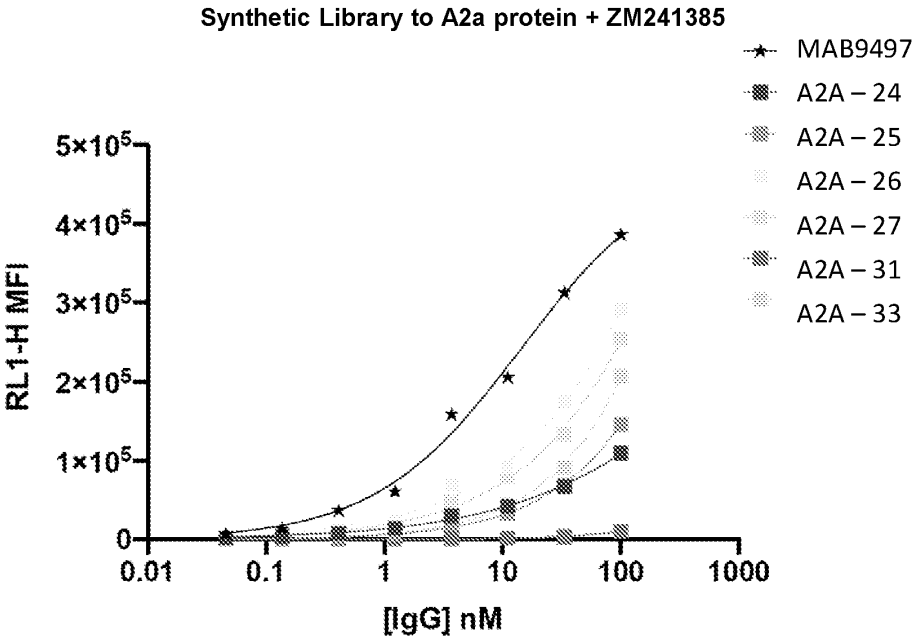


FIG. 20B

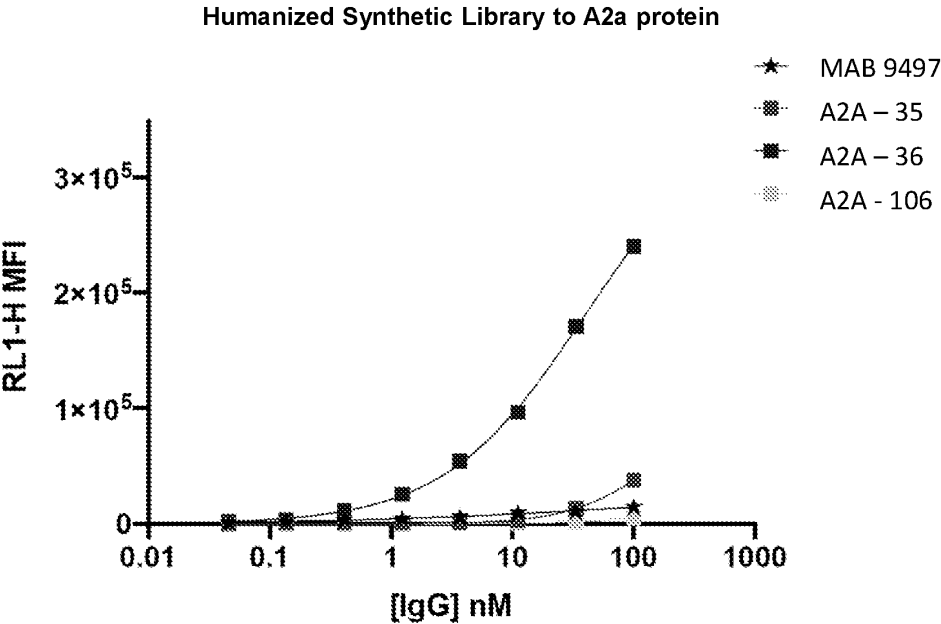


FIG. 20C

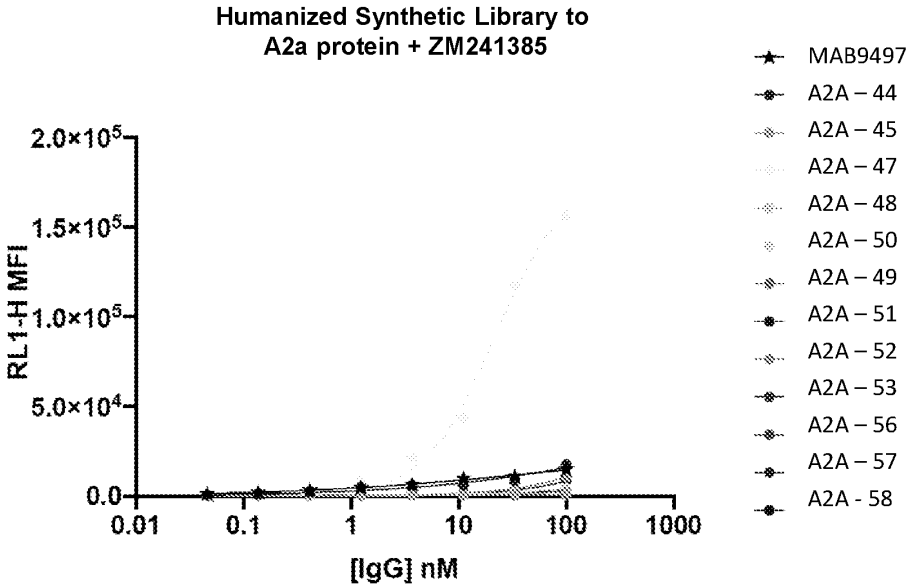


FIG. 20D

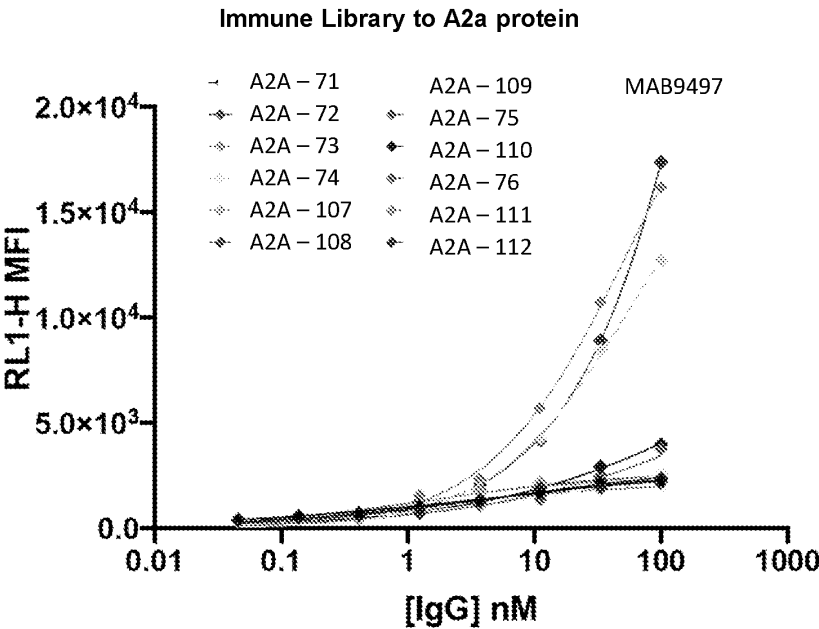


FIG. 20E

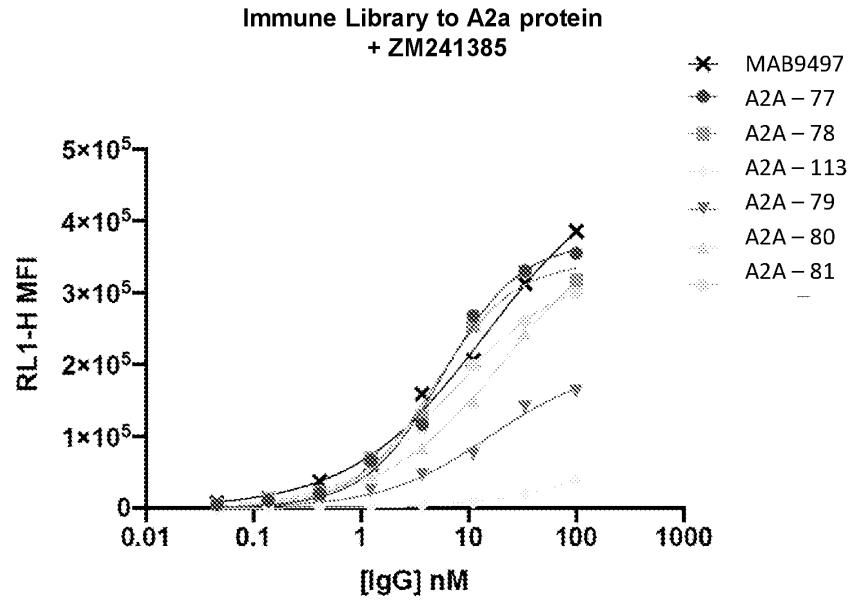
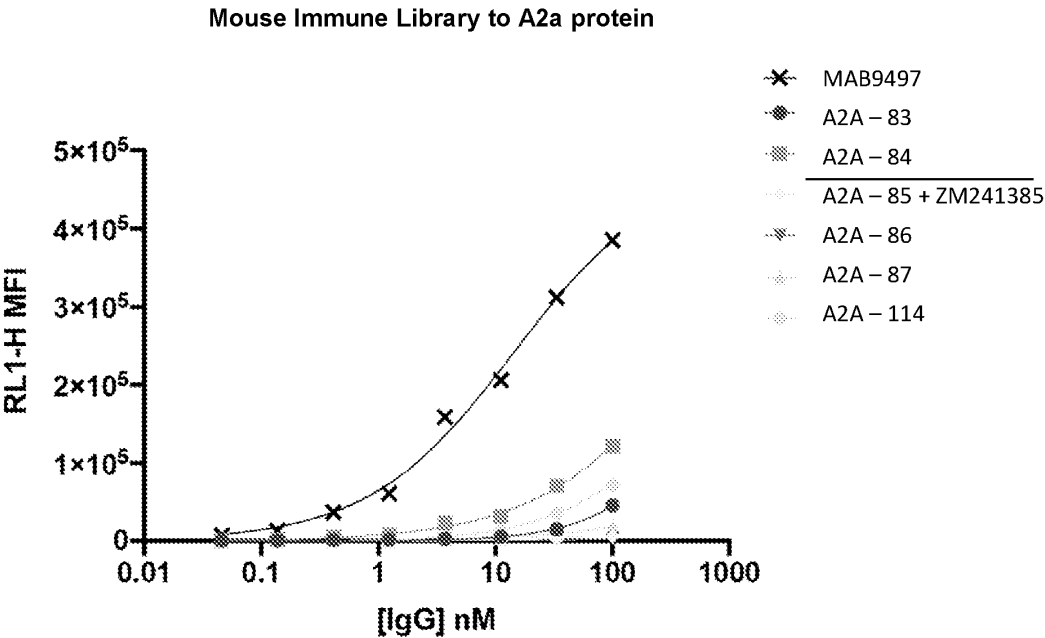


FIG. 20F



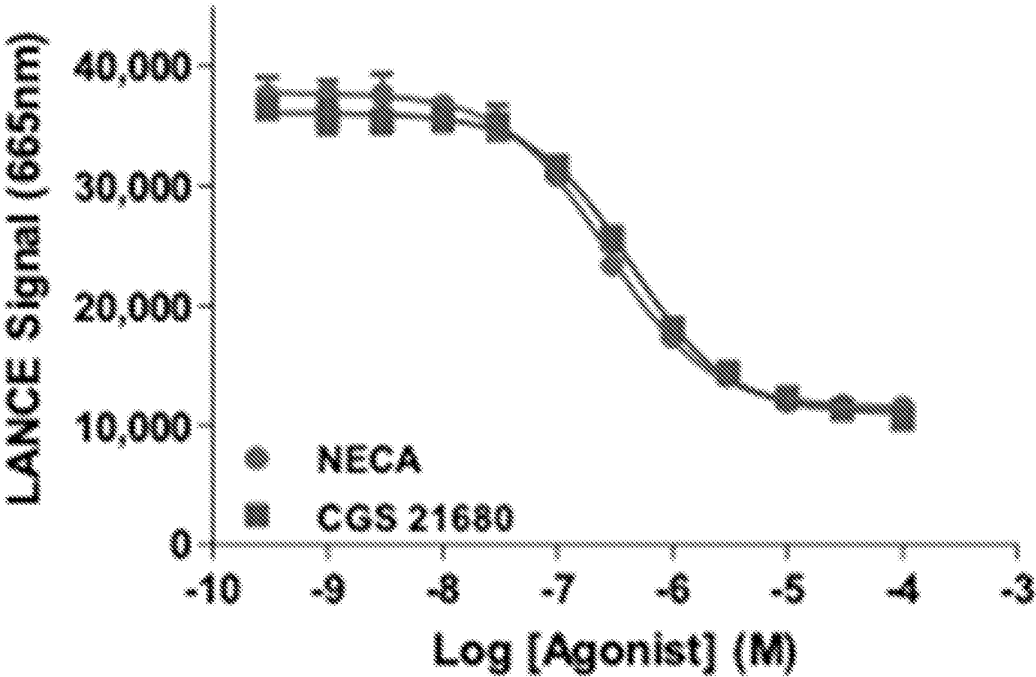


FIG. 21

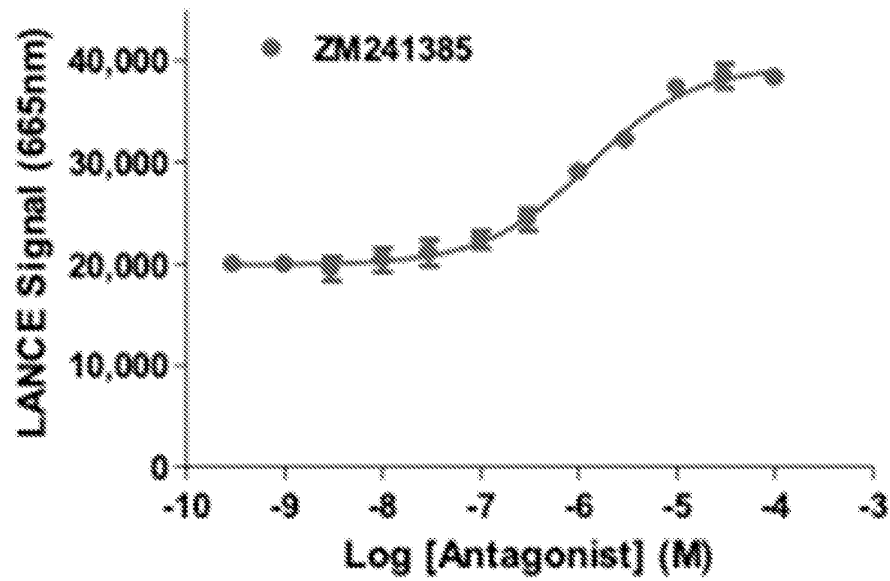


FIG. 22

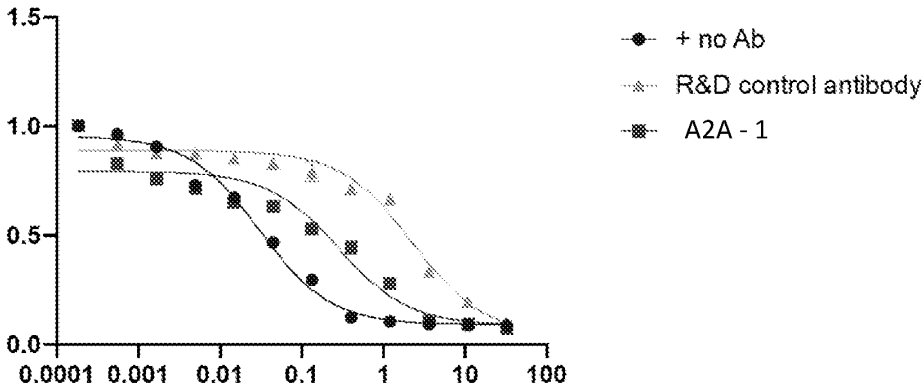


FIG. 23

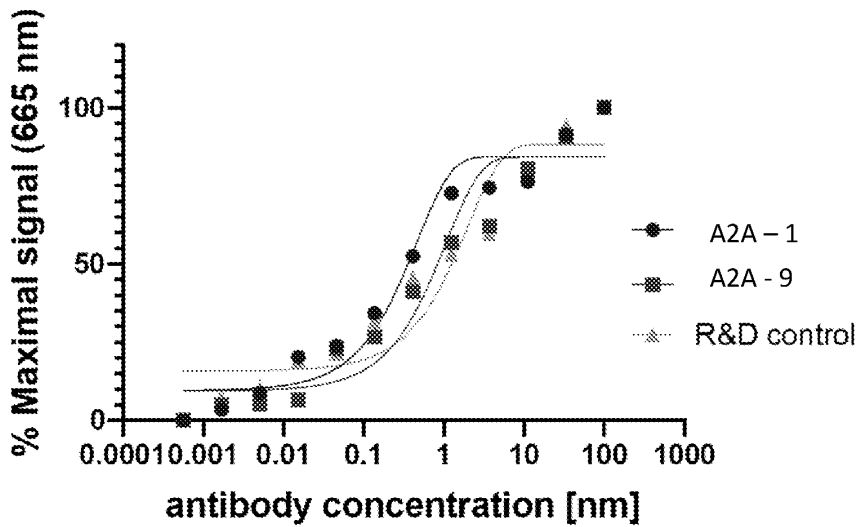


FIG. 24

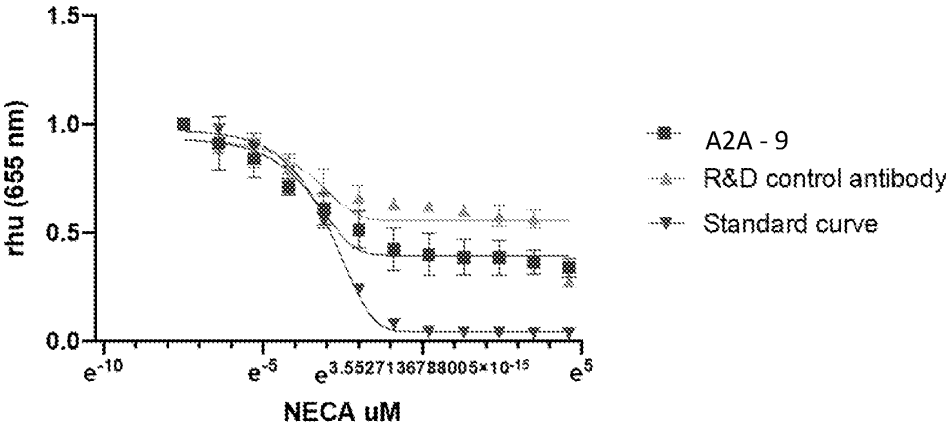


FIG. 25

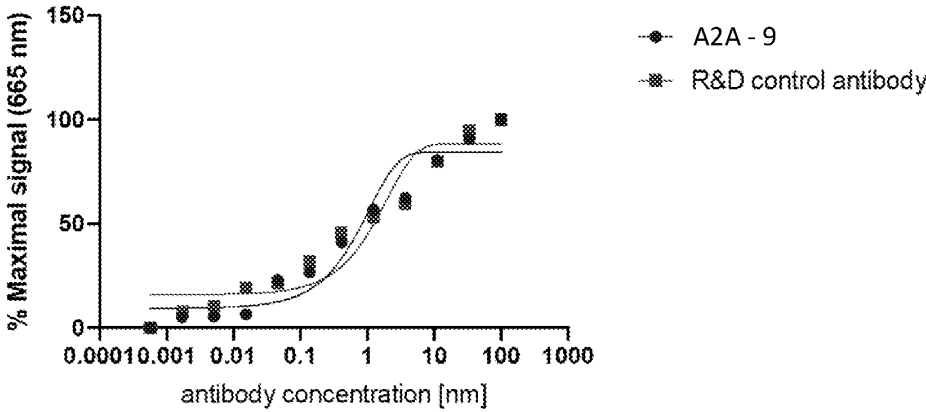


FIG. 26

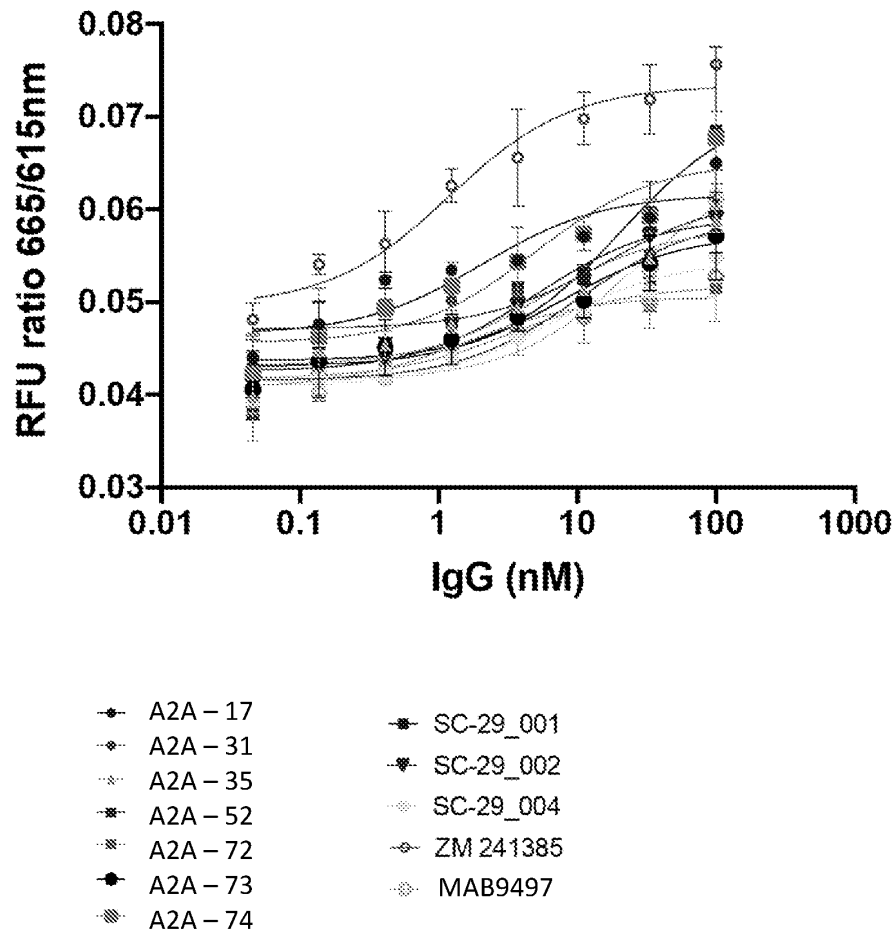


FIG. 27A

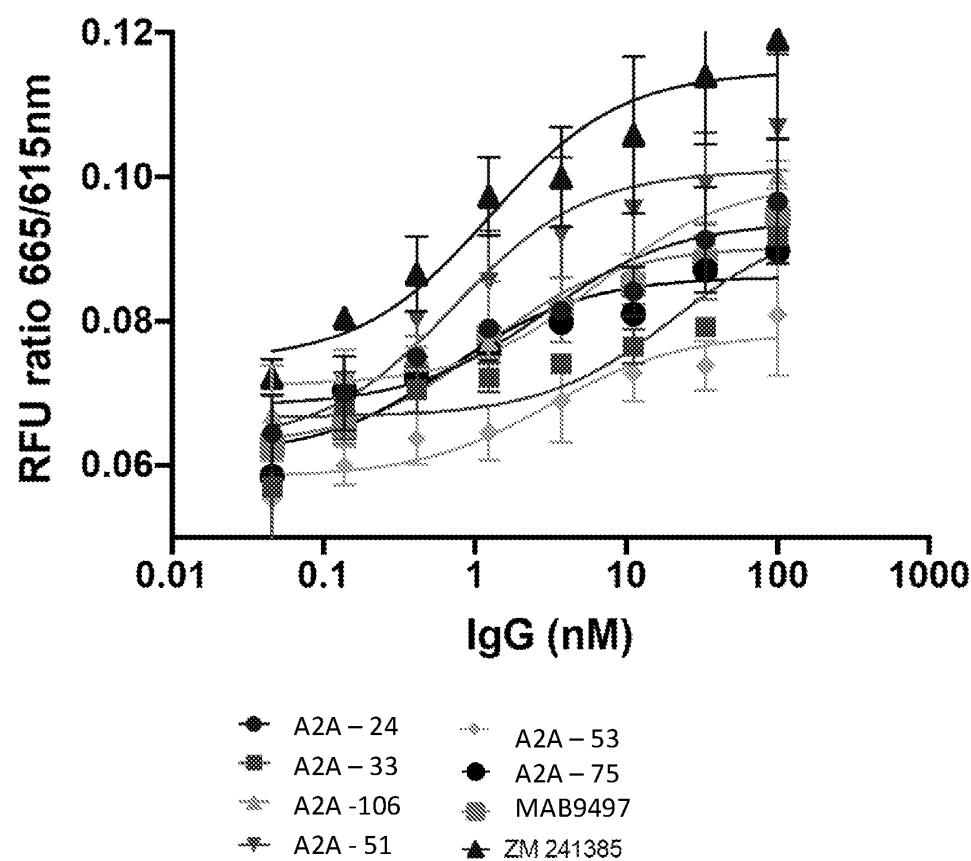


FIG. 27B

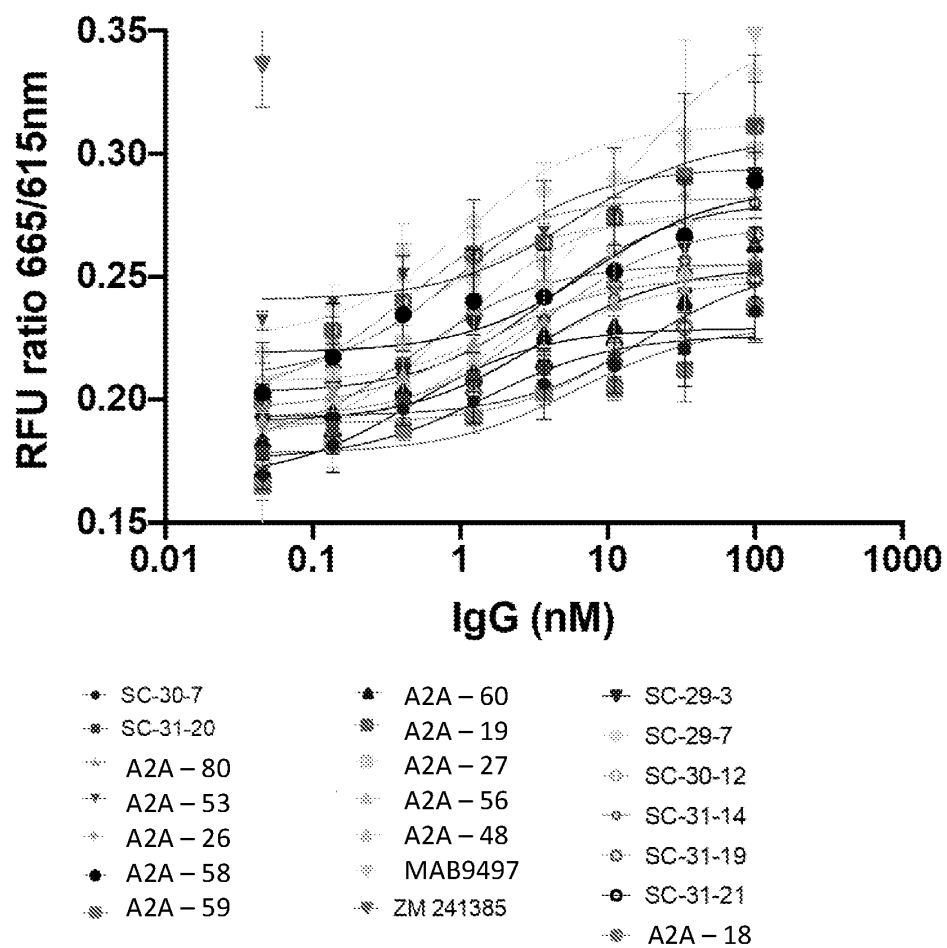


FIG. 27C

A2a antagonistic cAMP assay

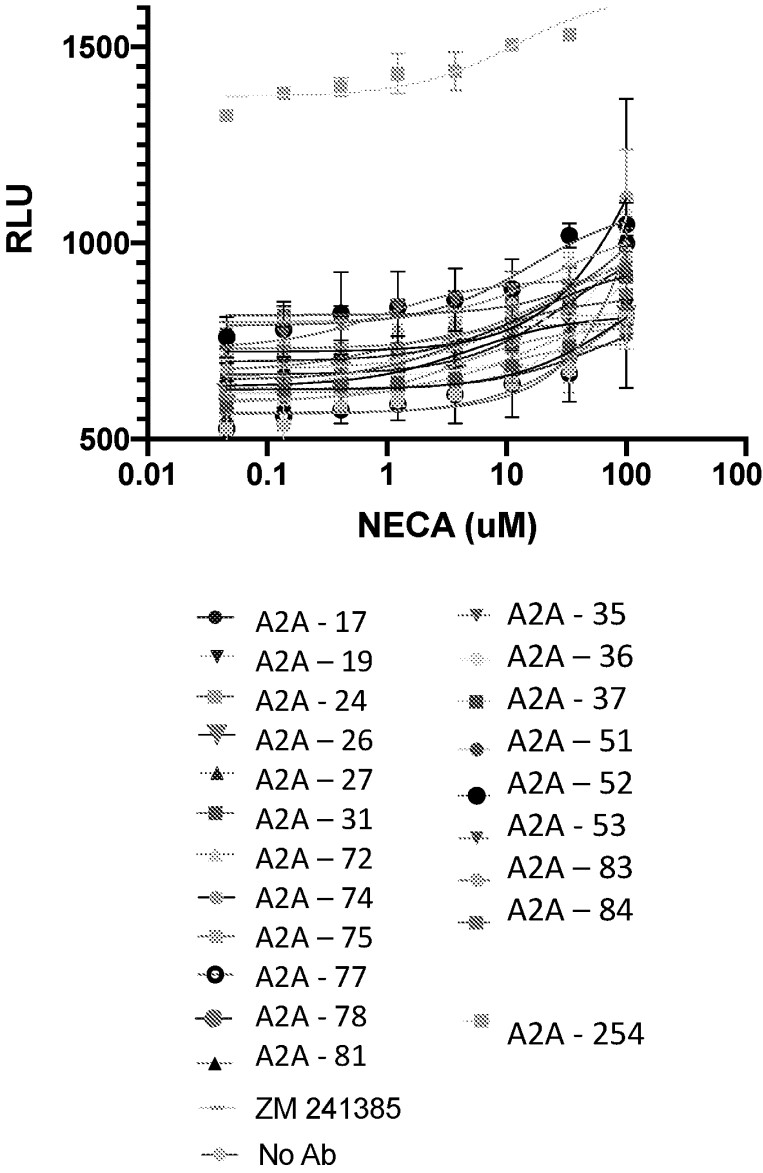


FIG. 28A

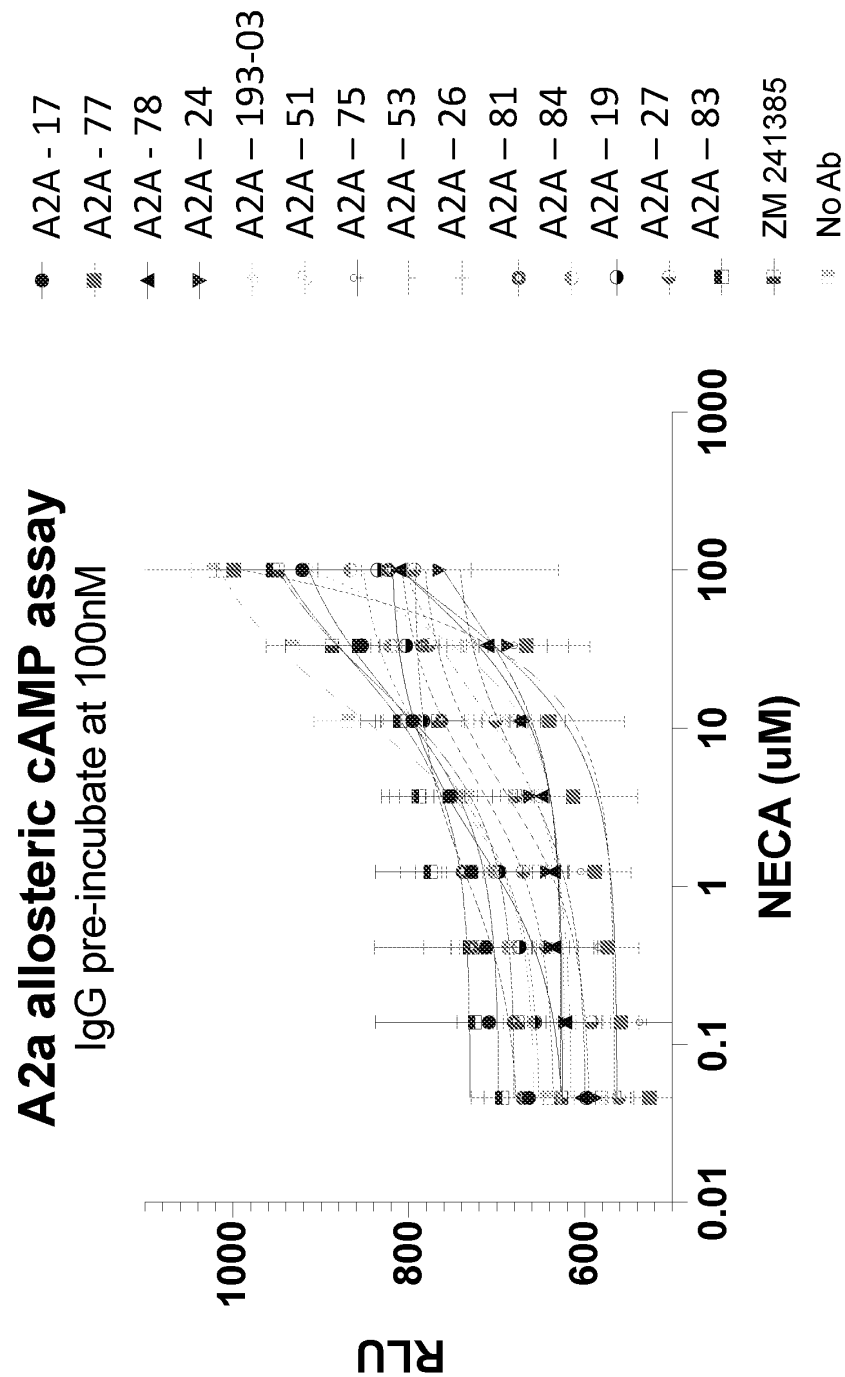


FIG. 28B

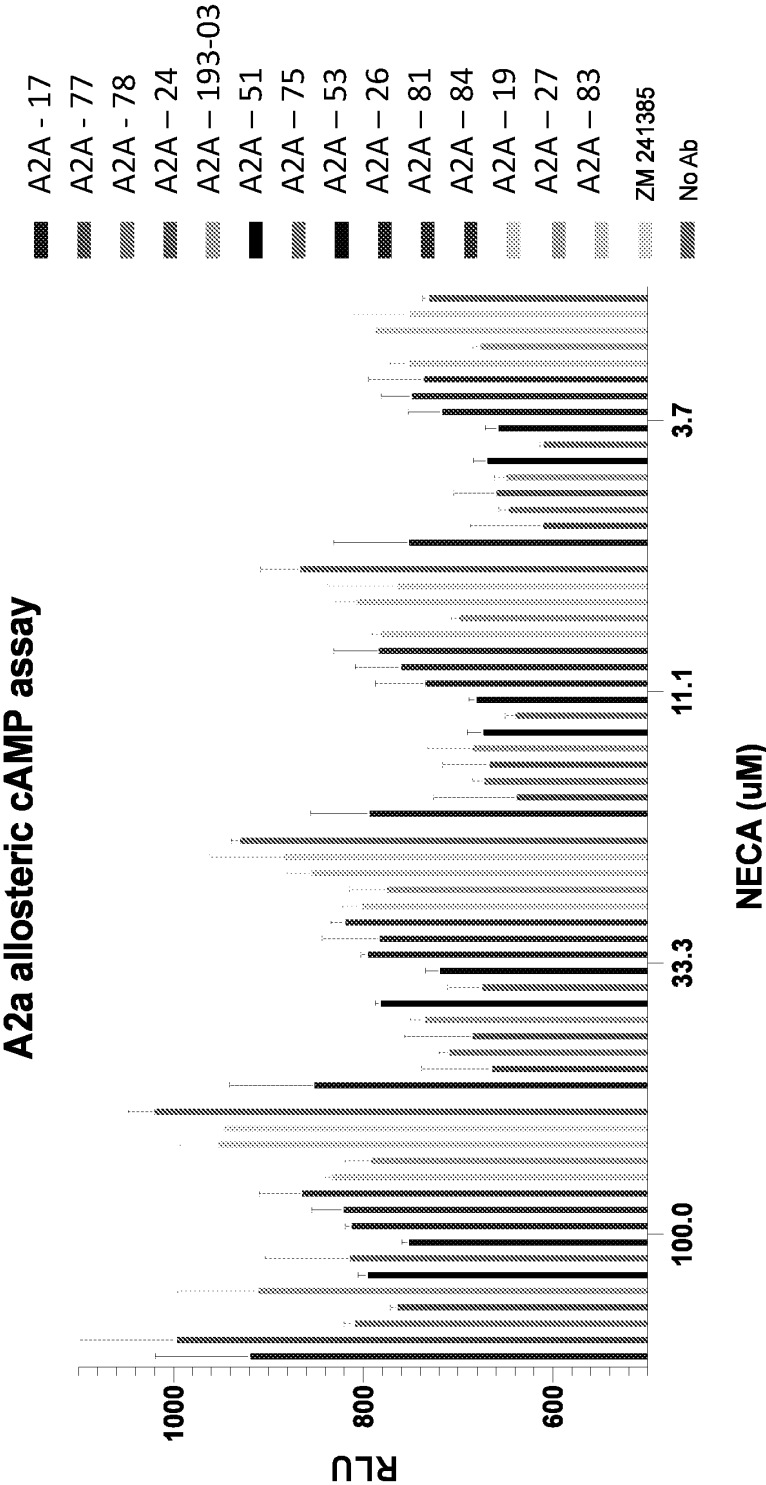


FIG. 28C

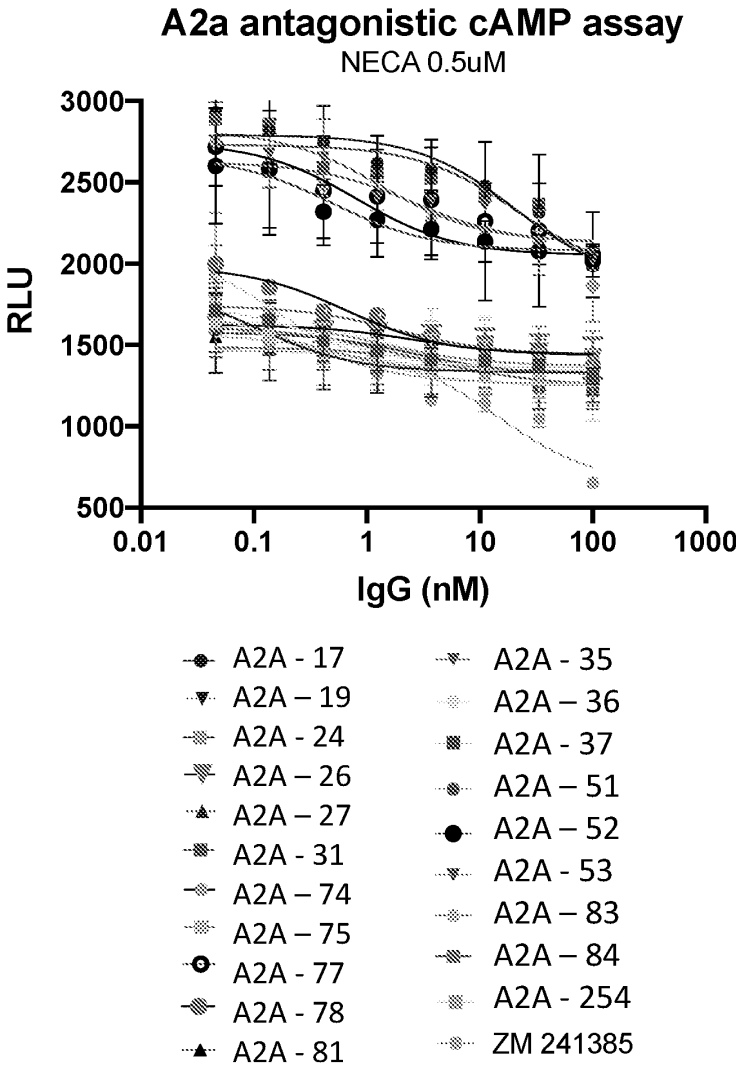


FIG. 29A

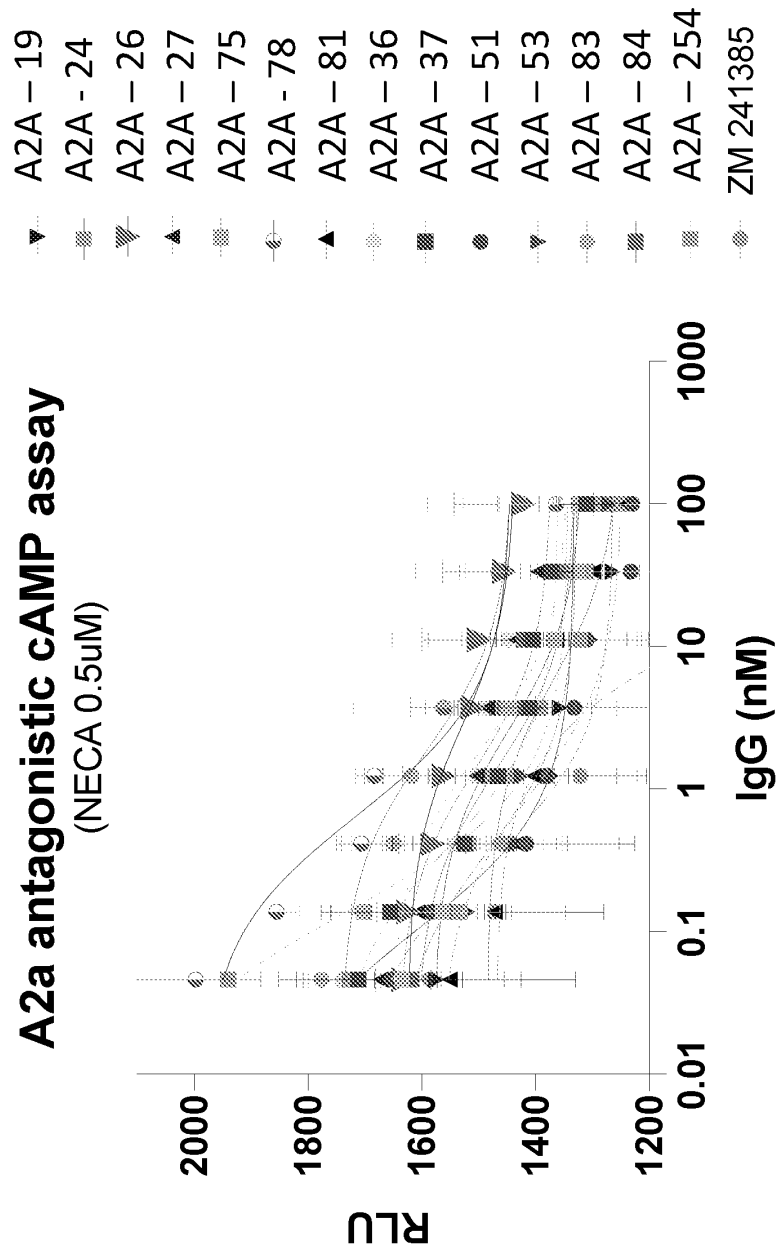


FIG. 29B

A2a antagonistic cAMP assay
NECA 0.5uM

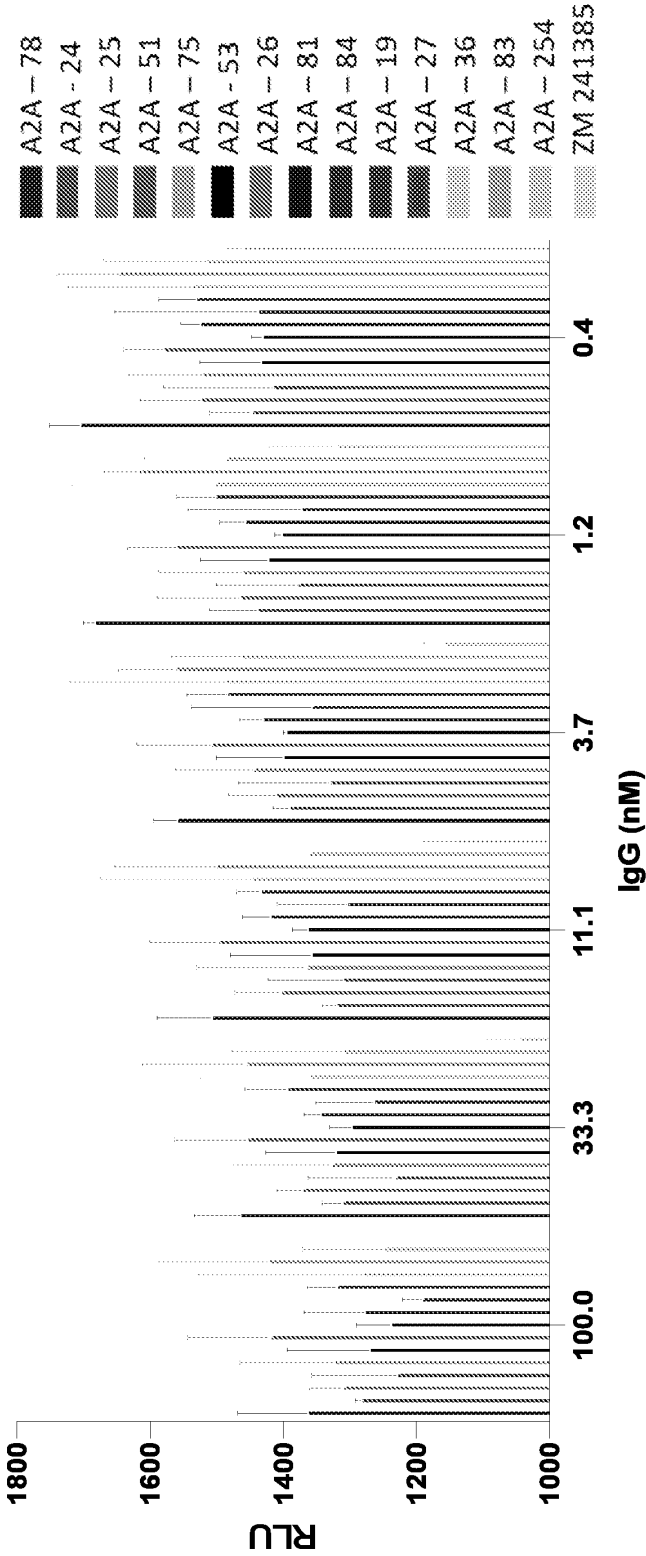


FIG. 29C

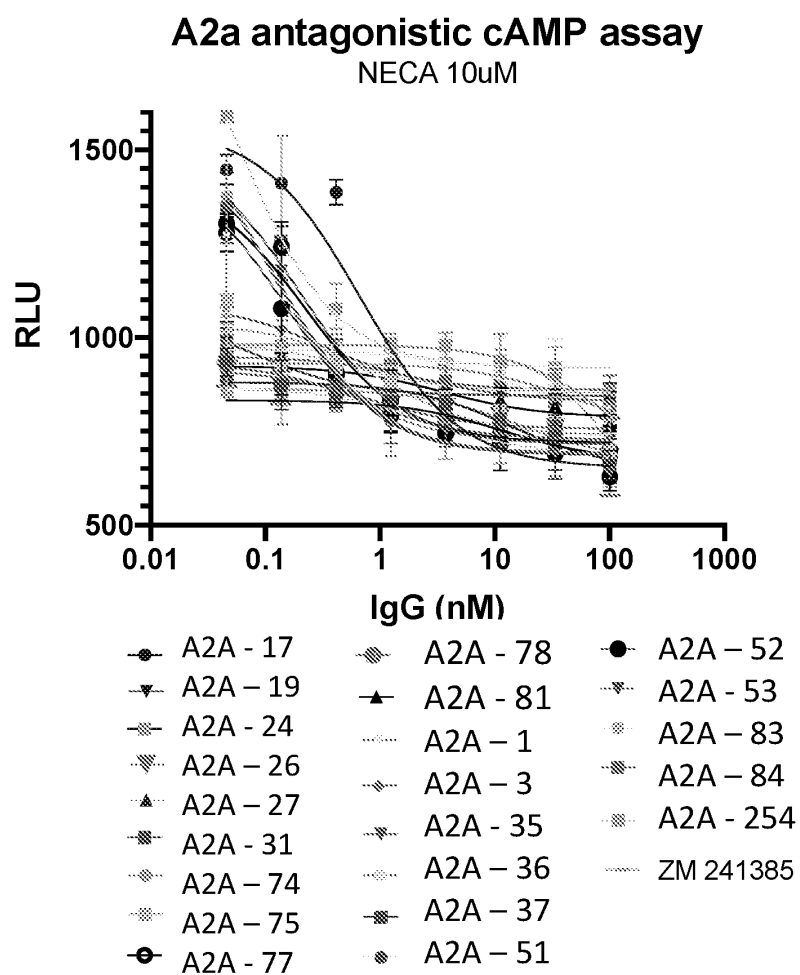


FIG. 30A

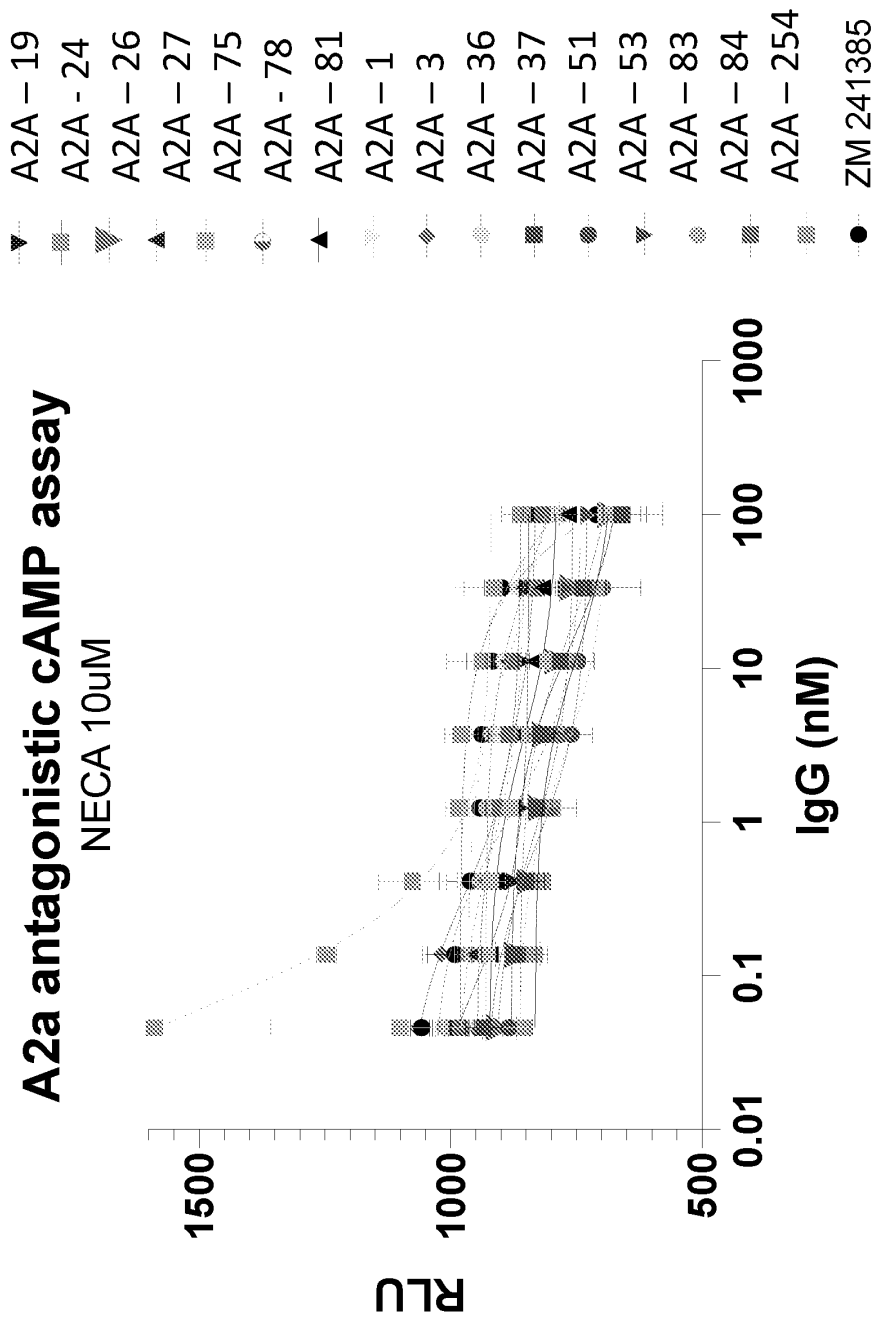


FIG. 30B

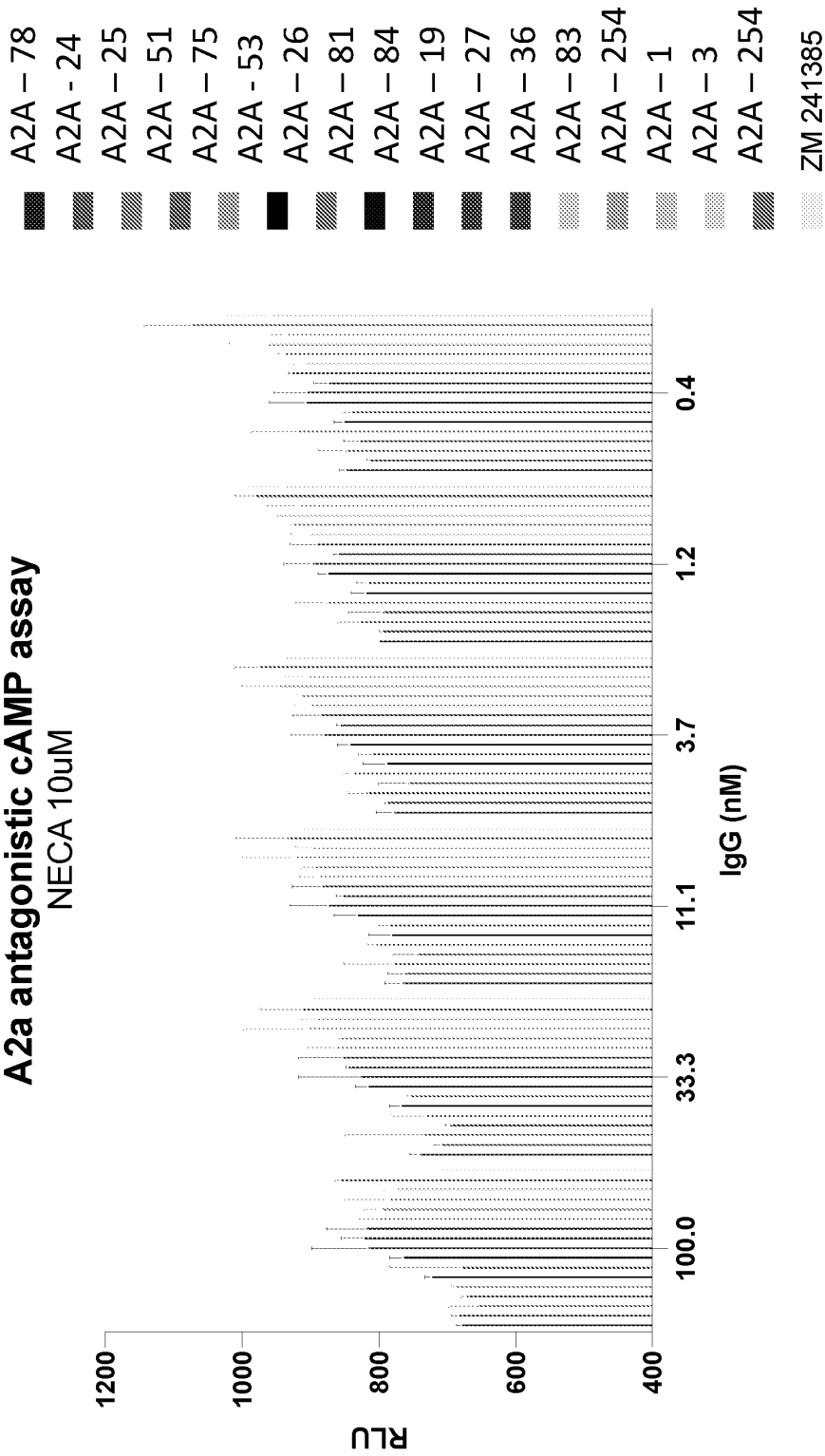


FIG. 30C

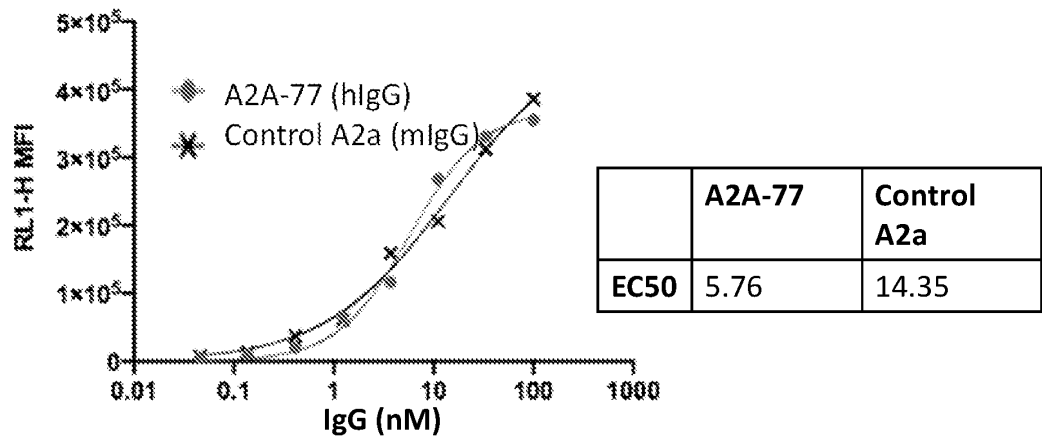


FIG. 31A

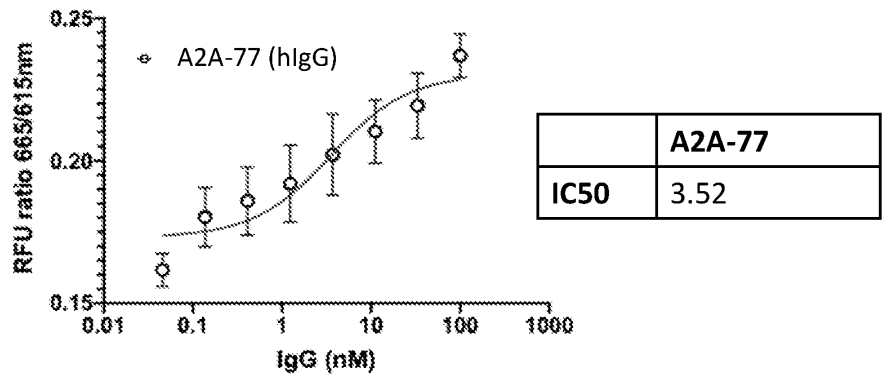


FIG. 31B

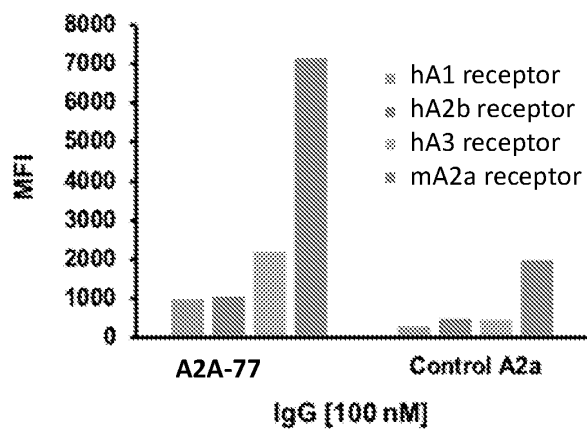


FIG. 31C

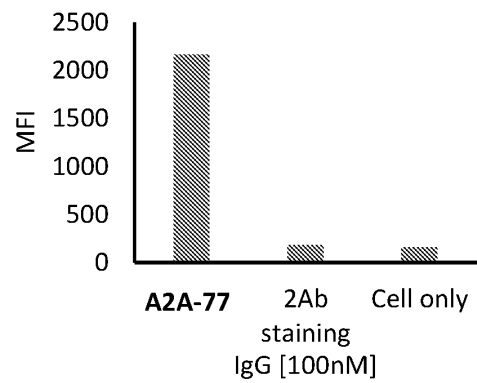


FIG. 31D

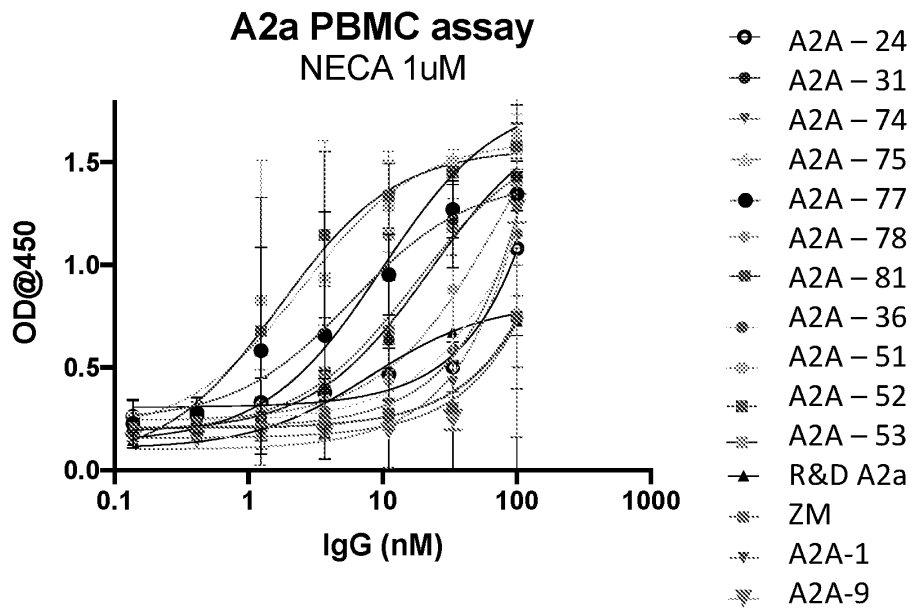


FIG. 32A

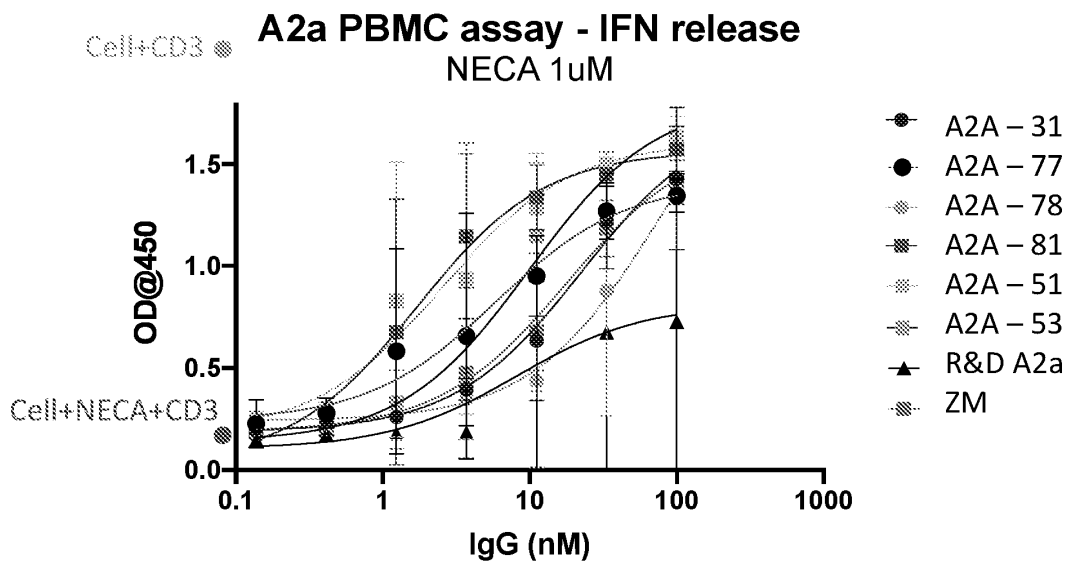


FIG. 32B

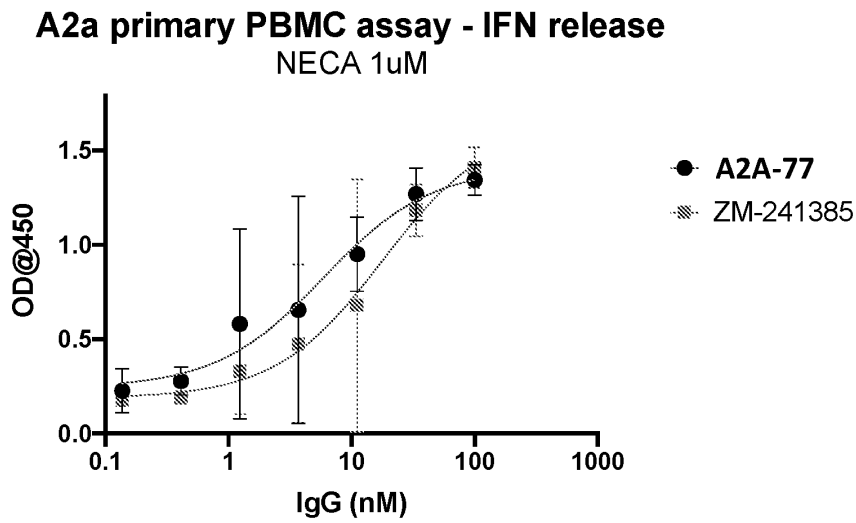


FIG. 32C

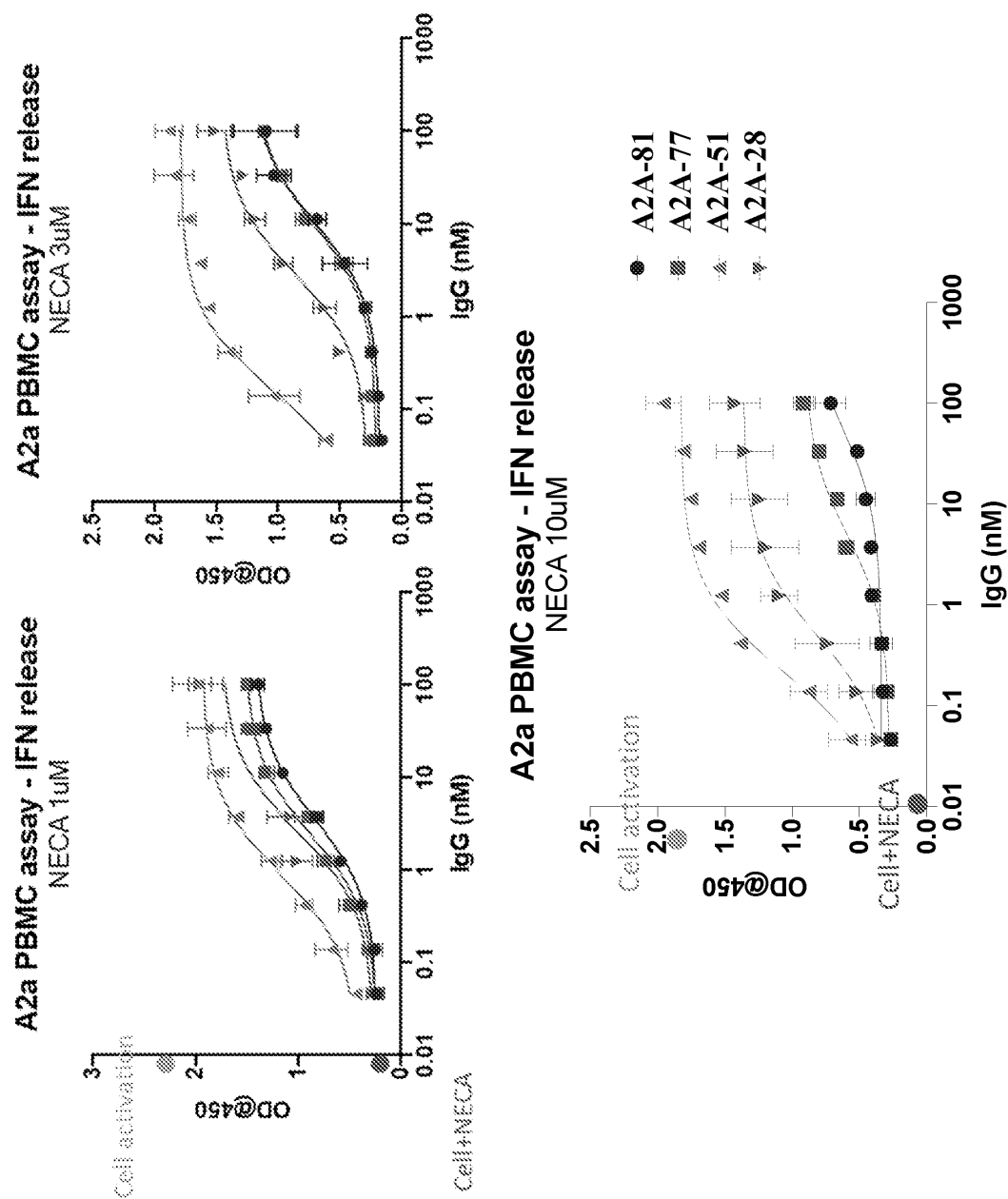


FIG. 32D

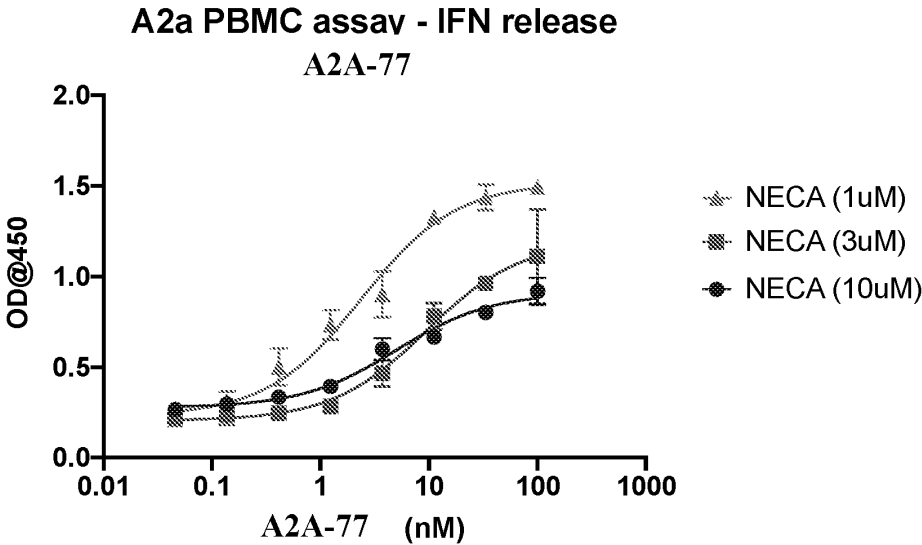


FIG. 32E

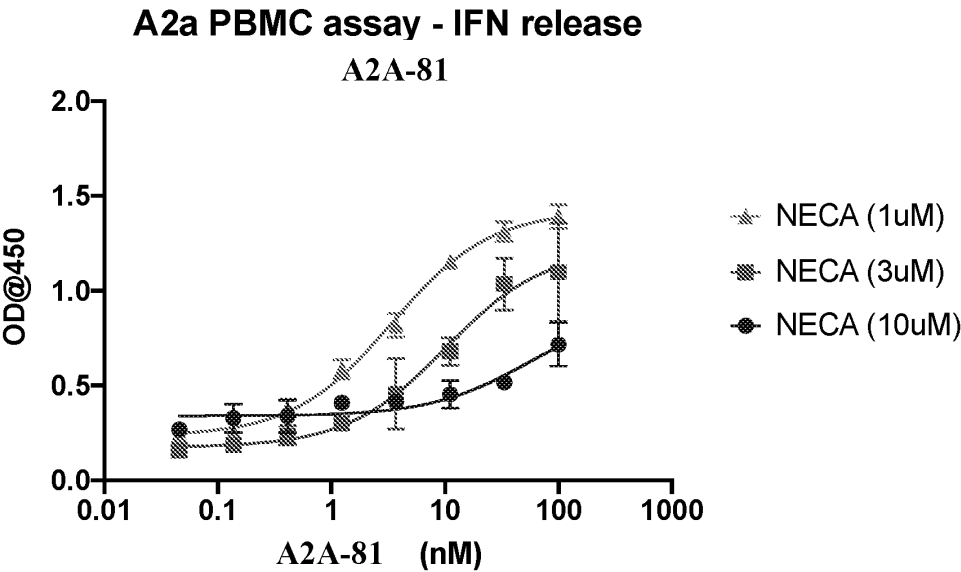


FIG. 32F

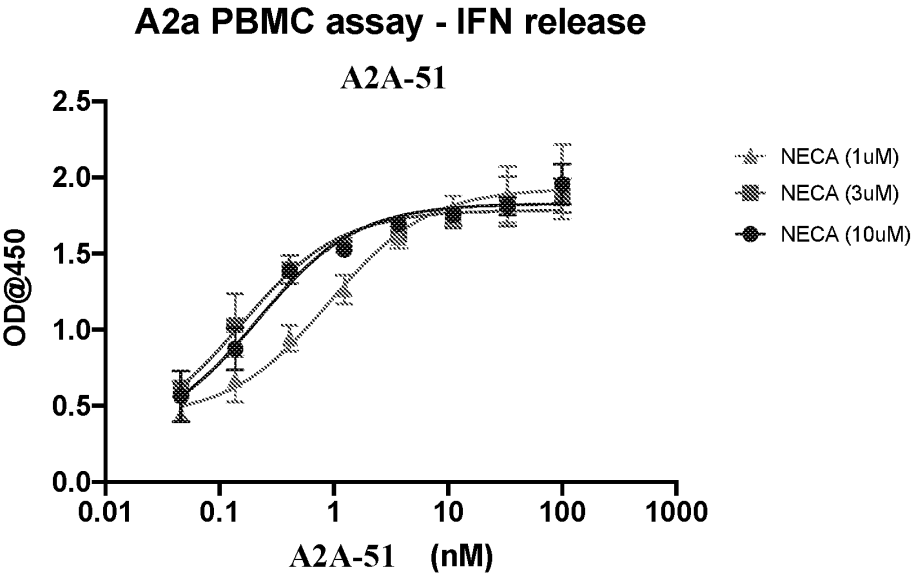


FIG. 32G

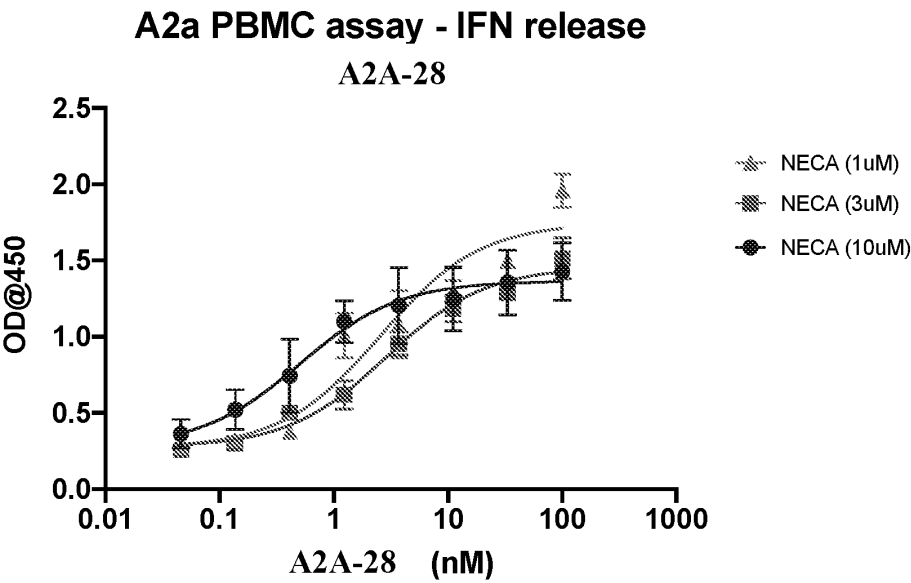


FIG. 32H

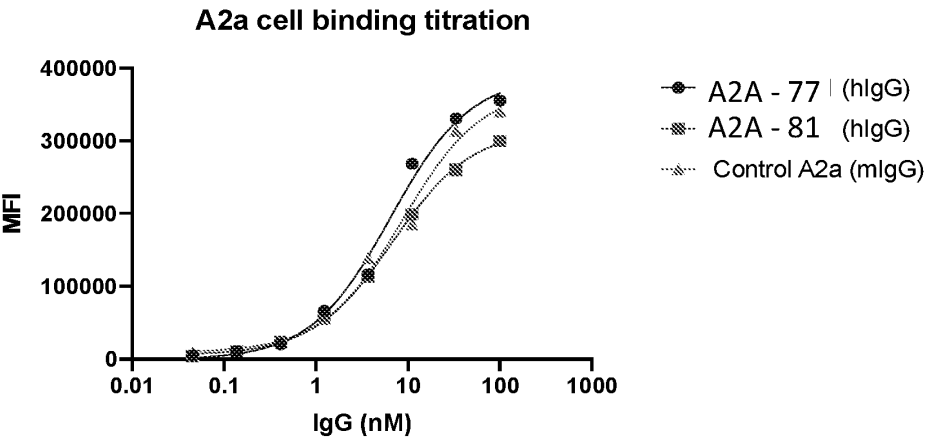


FIG. 33A

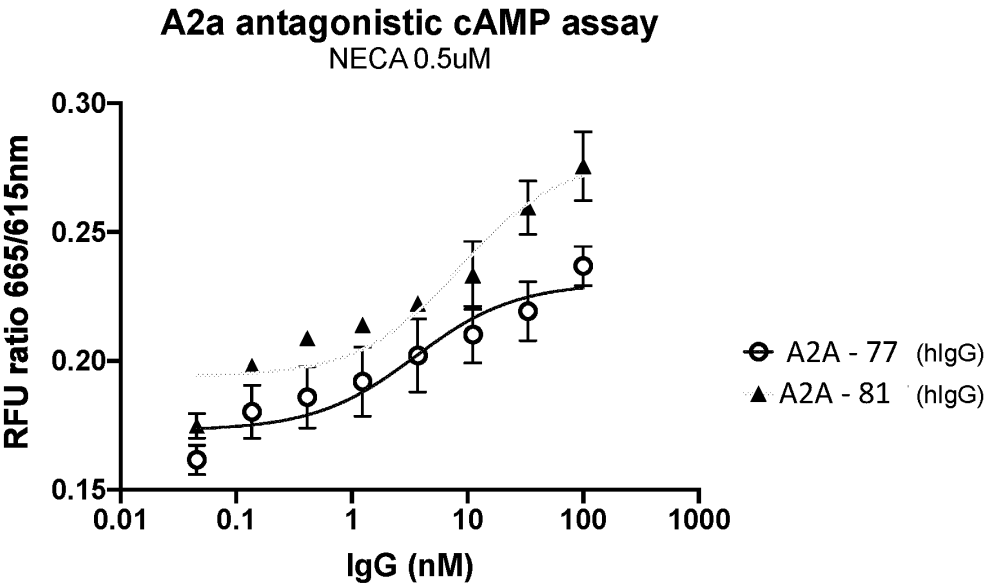


FIG. 33B

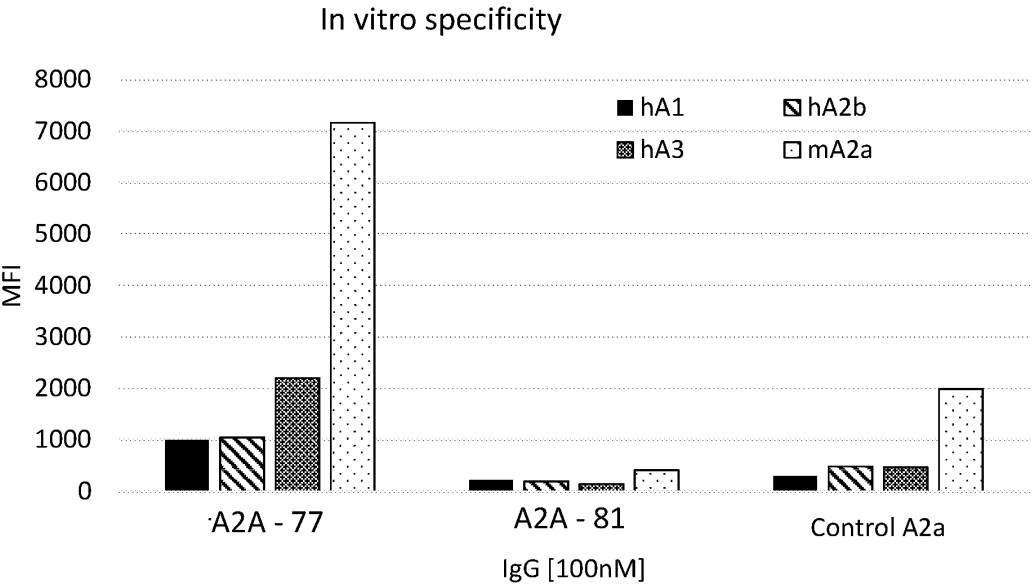


FIG. 33C

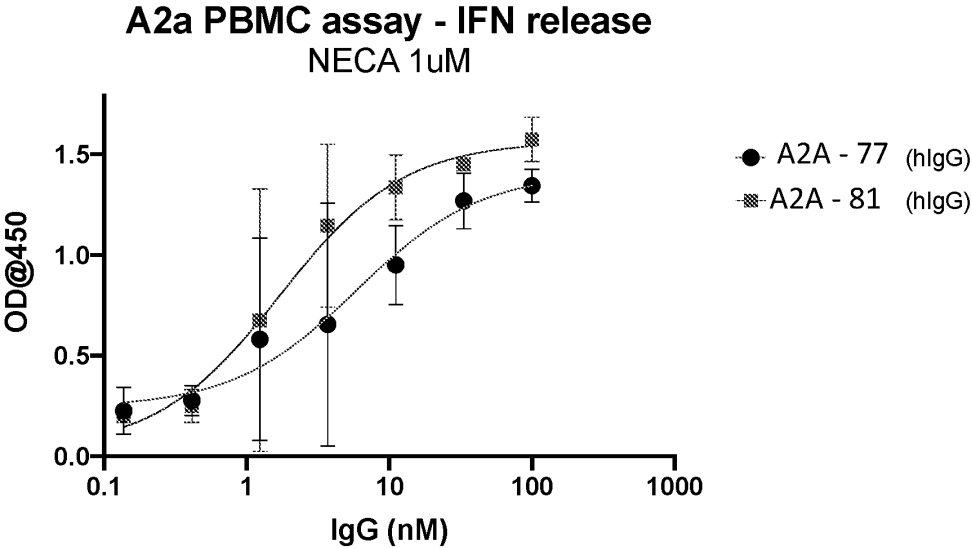


FIG. 33D

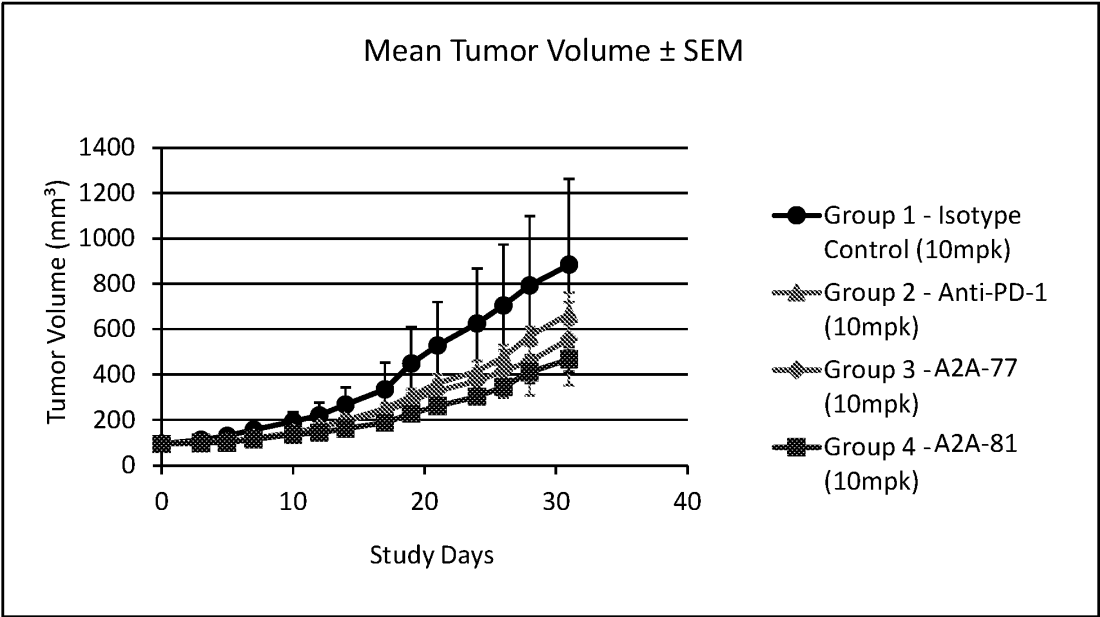


FIG. 34A

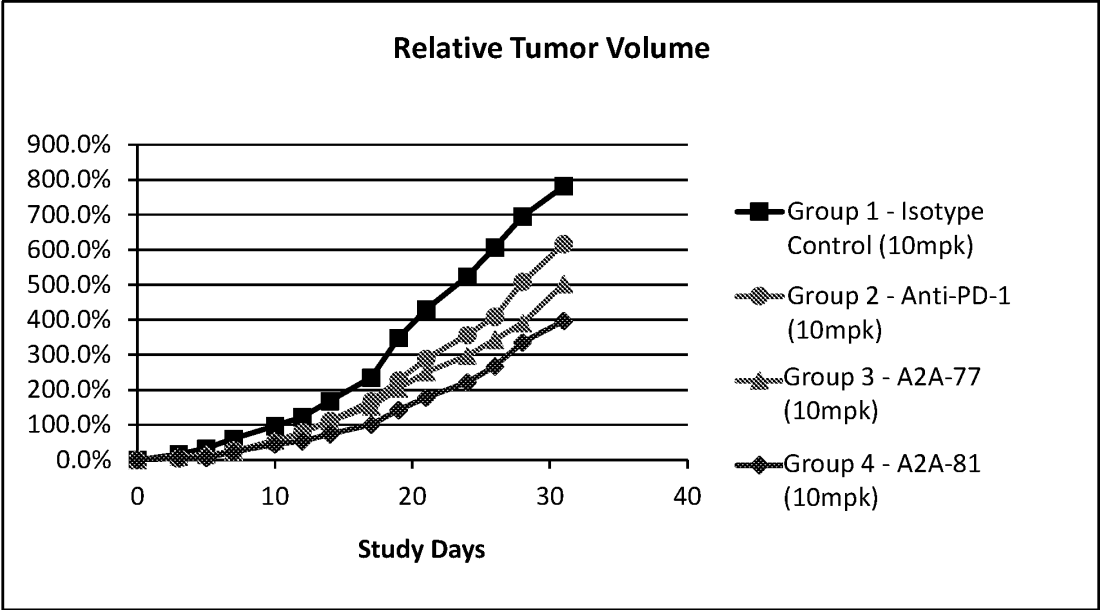


FIG. 34B

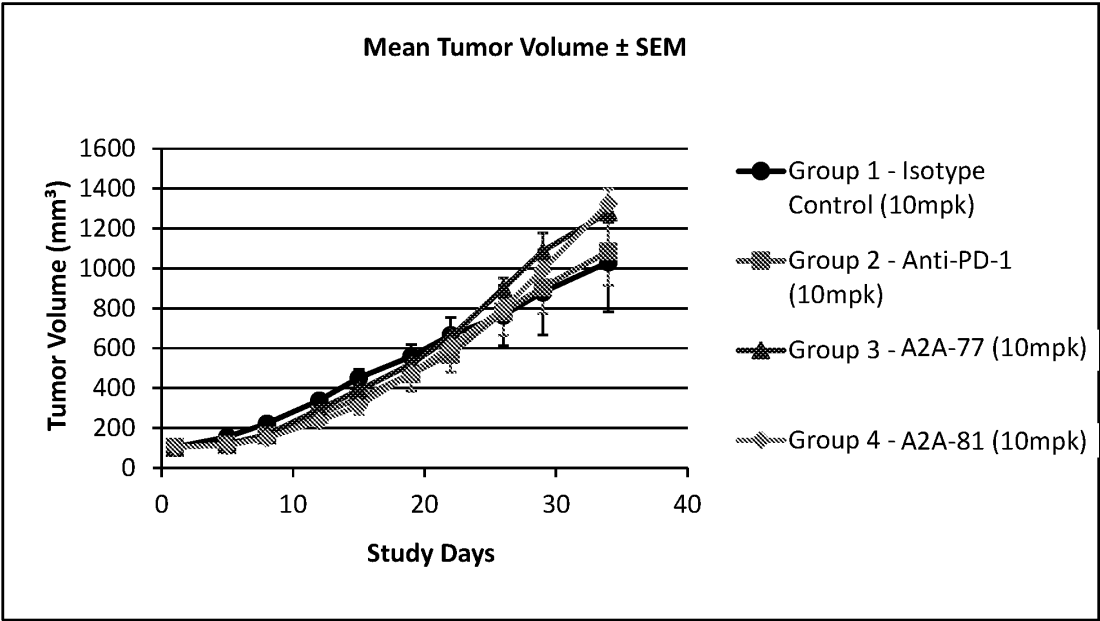


FIG. 34C

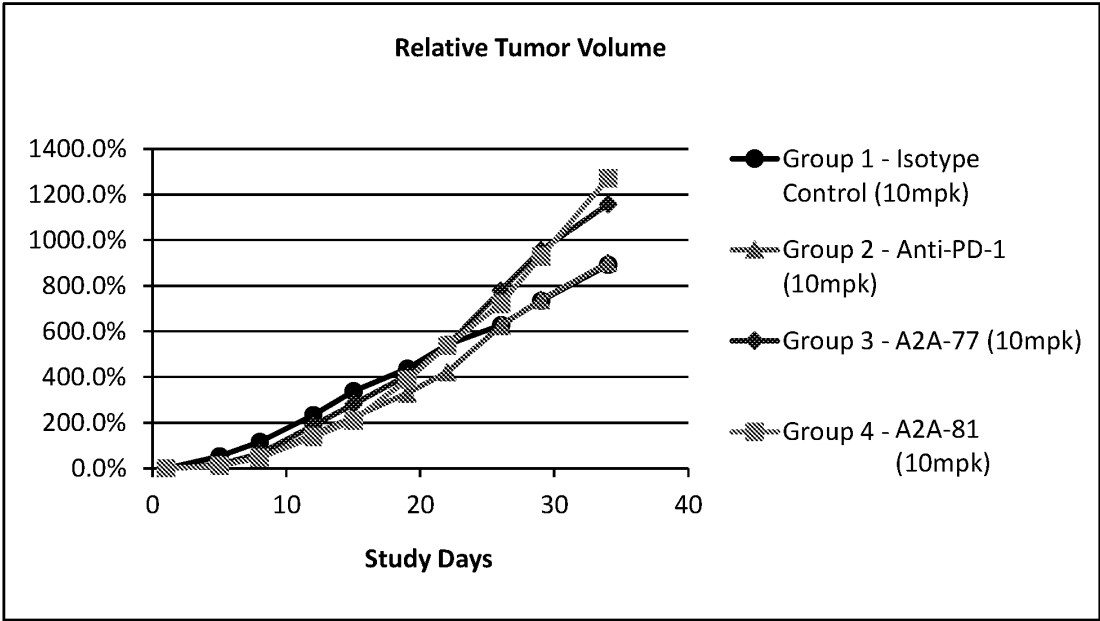


FIG. 34D

Group	Number	Agent	Dose	Schedule	Amount
9	6	Isotype control	20 mg/kg, IP	Q3Dx6	24mg
10	6	Anti-PD-1 (Keytruda)	20 mg/kg, IP	Q3Dx6	24mg
11	6	Ab4 (TB206-7)	20 mg/kg, IP	Q3Dx6	24mg
12	6	Ab4 + Anti-PD-1 (Keytruda)	10 mg/kg + 10 mg/kg, IP	Q3Dx6	12mg+12mg
13	6	Ab7 (PD1TAO15)	20 mg/kg, IP	Q3Dx6	24mg
14	6	Ab4 + Ab7	10 mg/kg + 10 mg/kg, IP	Q3Dx6	12mg+12mg

FIG. 34E

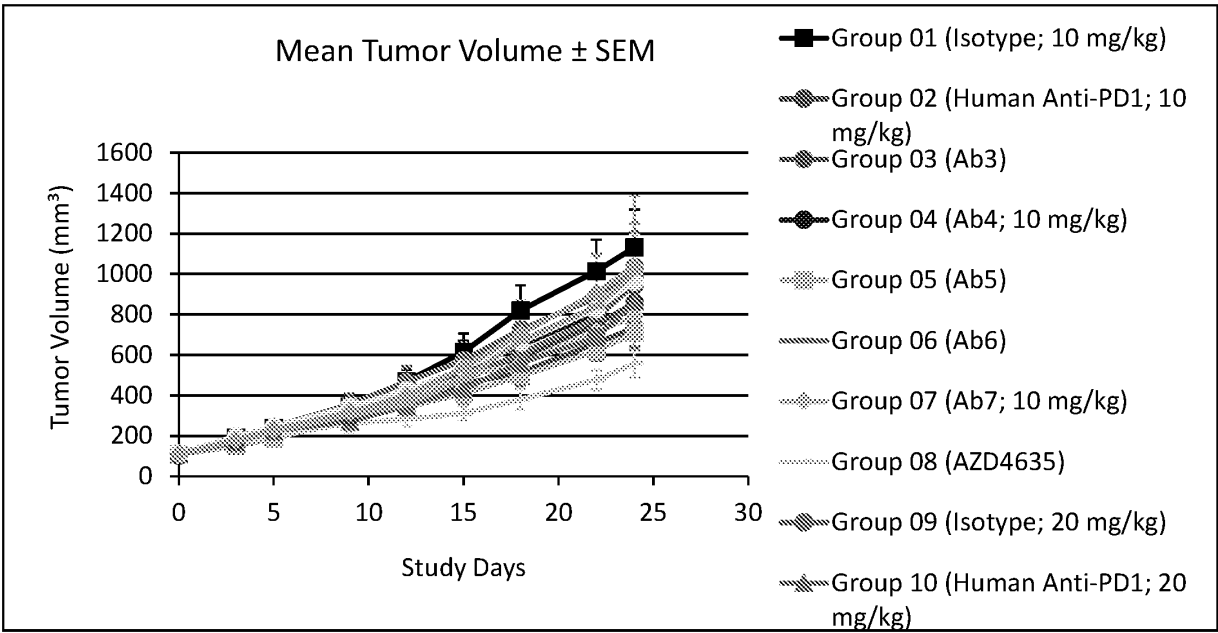


FIG. 34F

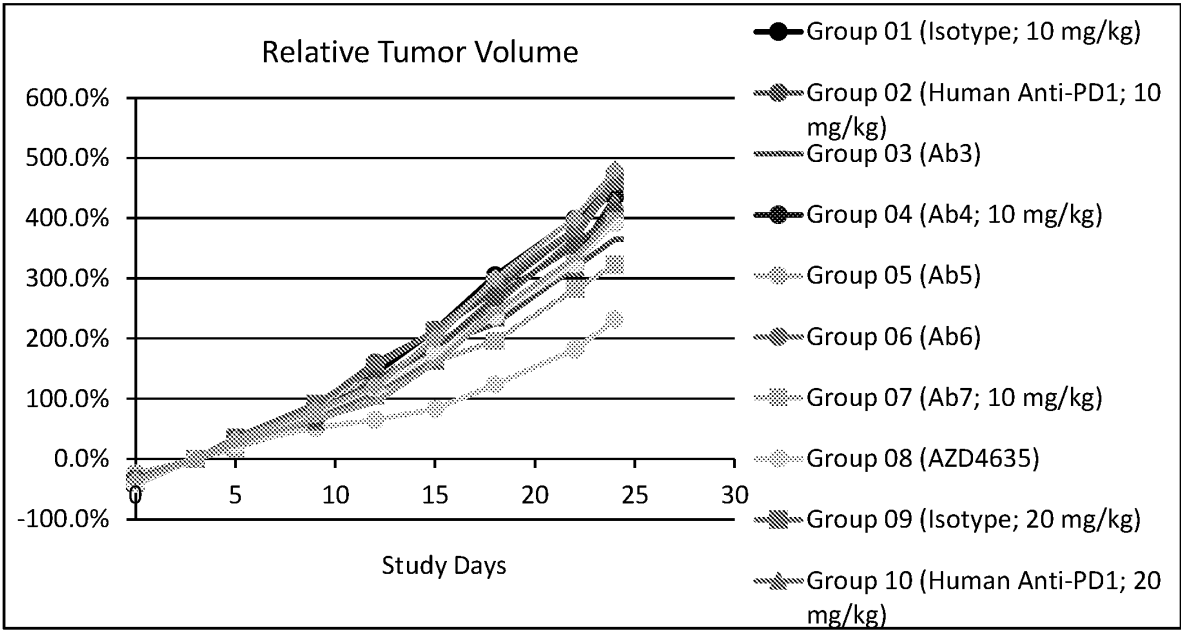


FIG. 34G

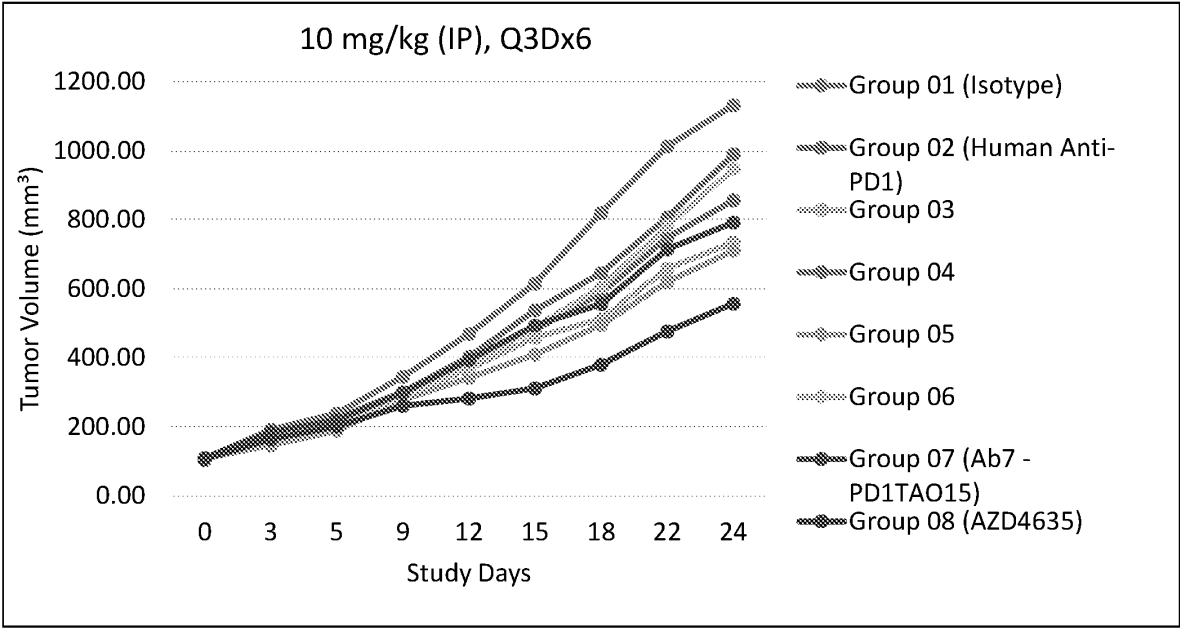


FIG. 34H

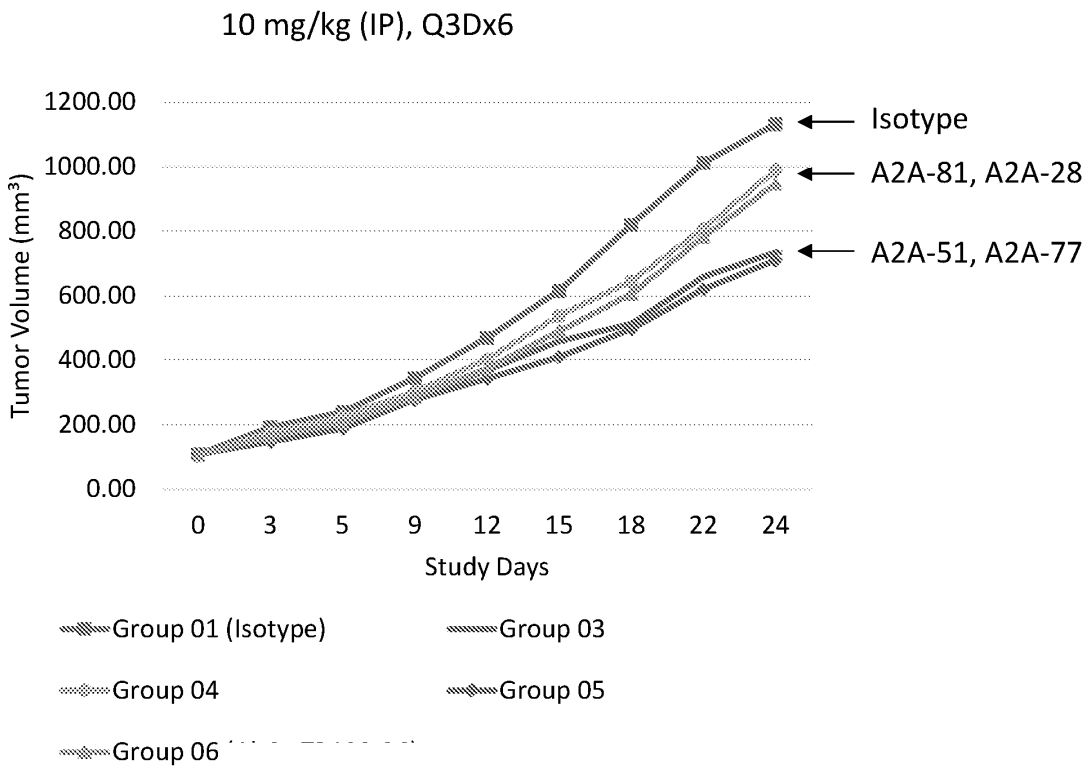


FIG. 34I

10 mg/kg (IP), Q3Dx6

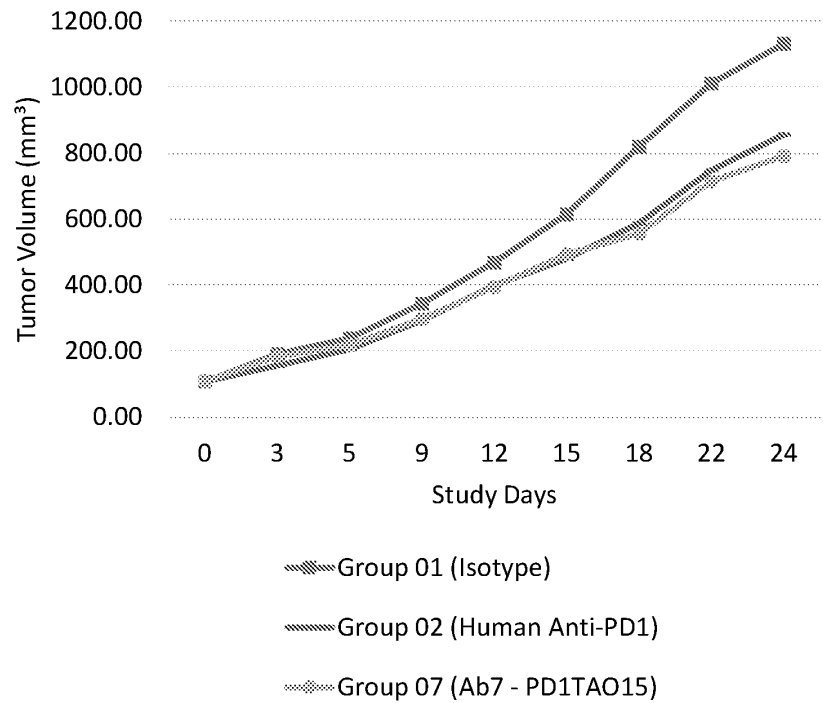


FIG. 34J

20 mg/kg (IP), Q3Dx6

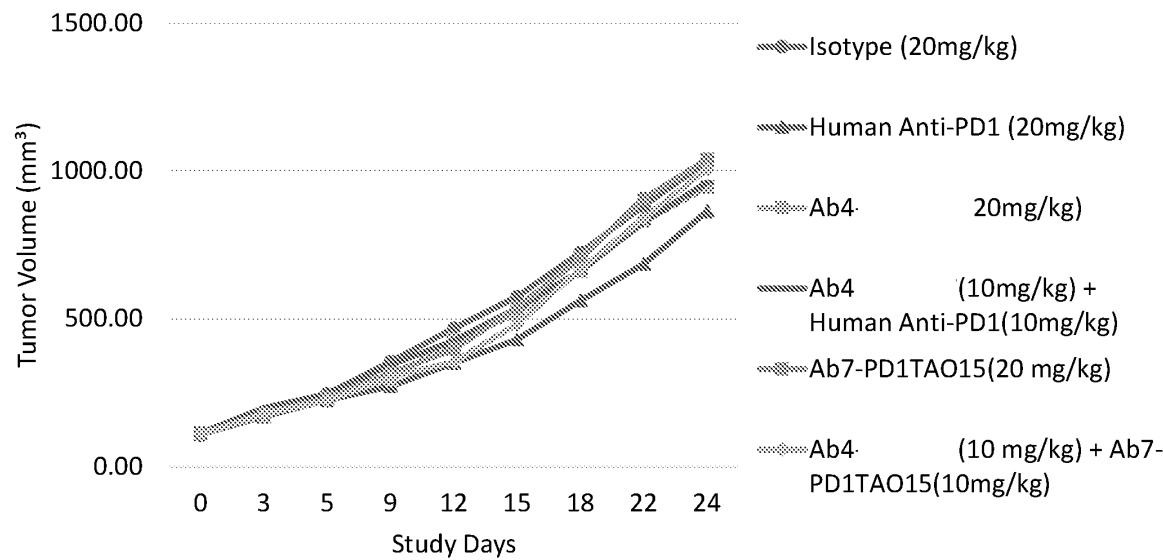


FIG. 34K

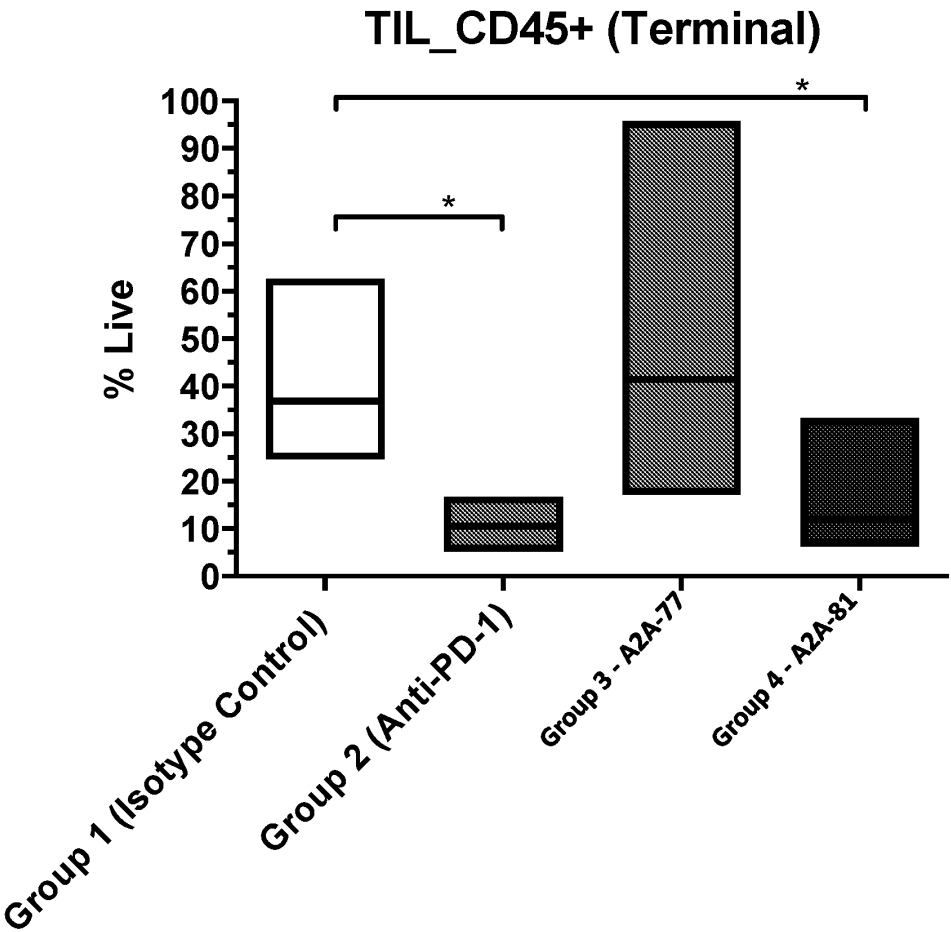
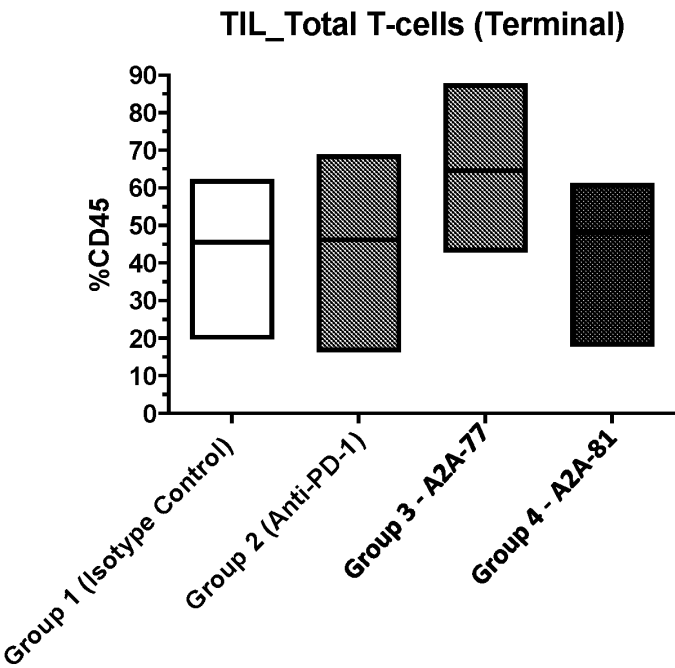
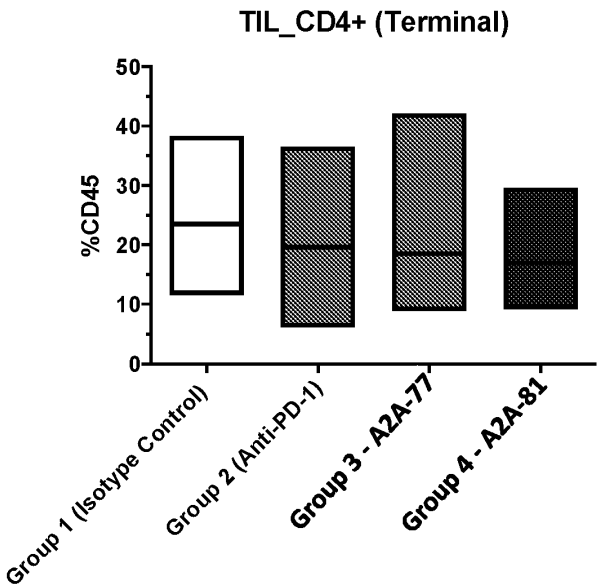


FIG. 35A



CD45+CD3+
FIG. 35B



CD45+CD3+CD4+CD8-

FIG. 35C

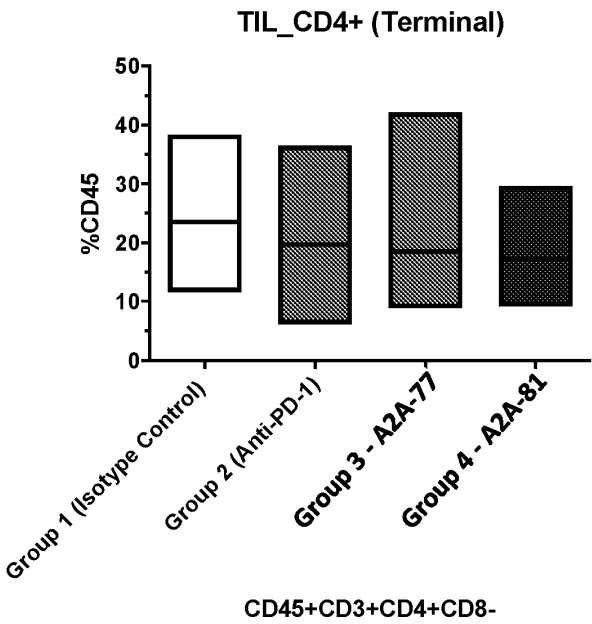


FIG. 35D

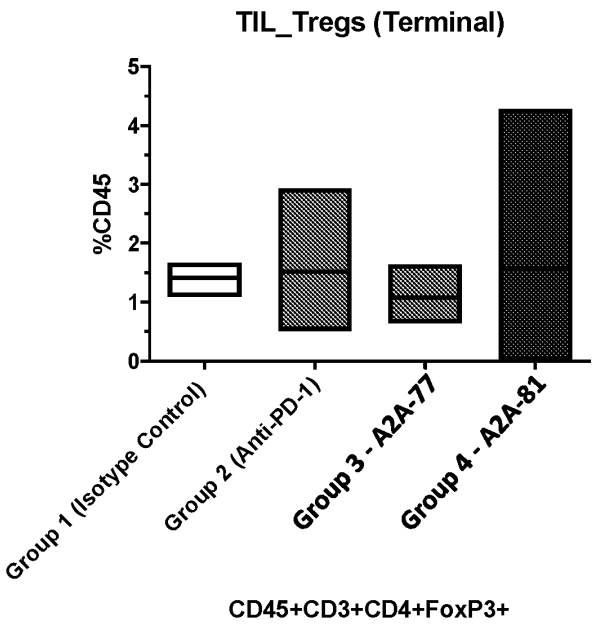


FIG. 35E

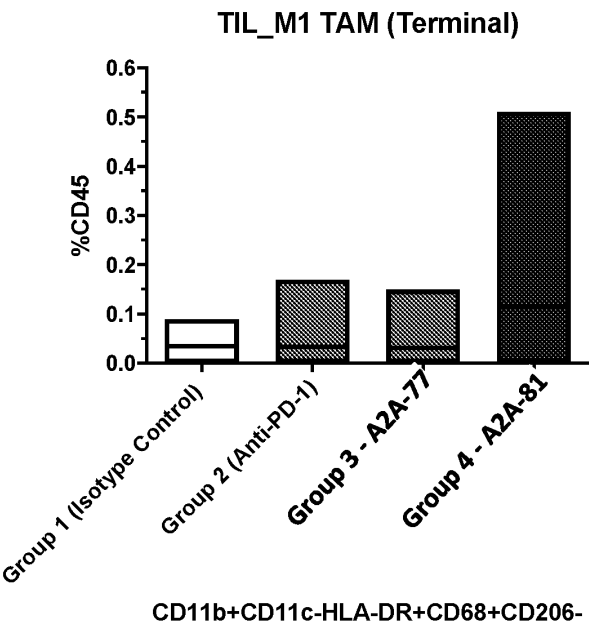


FIG. 35F

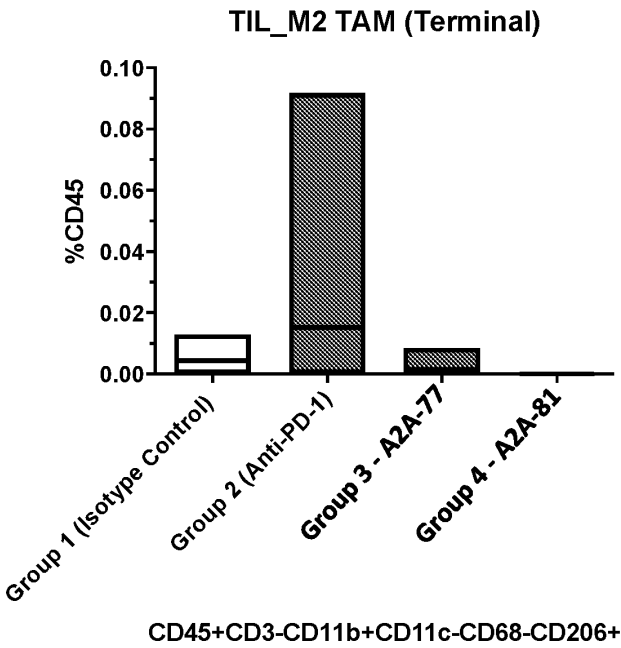


FIG. 35G

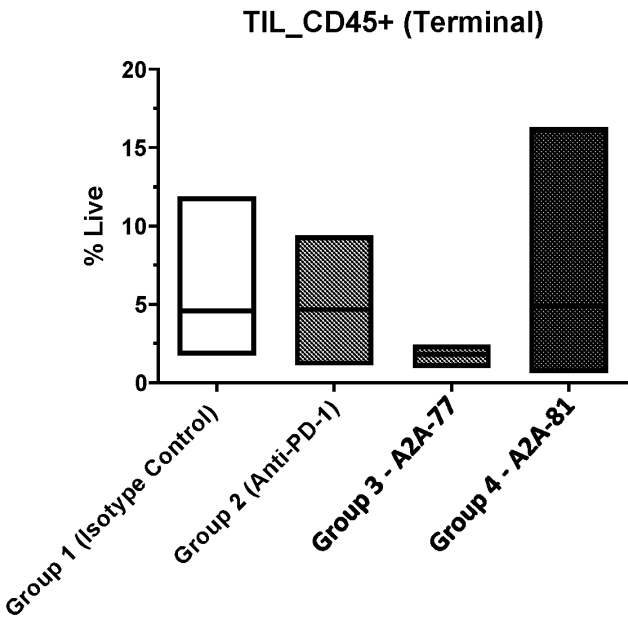


FIG. 35H

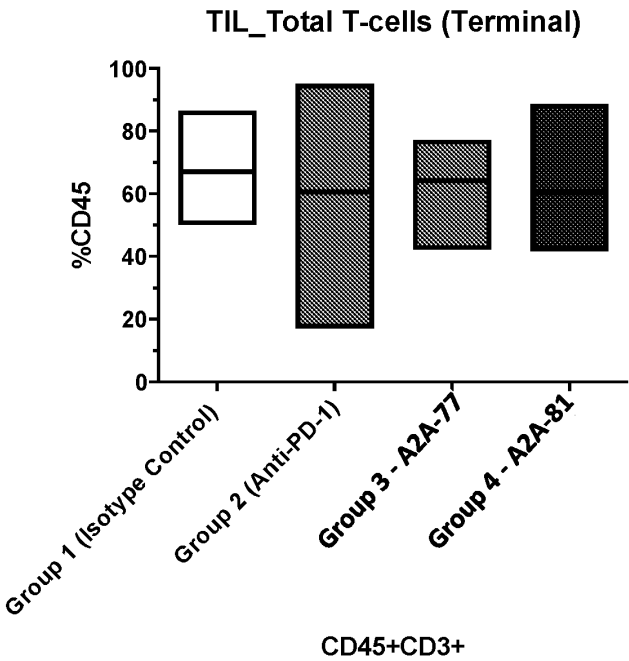


FIG. 35I

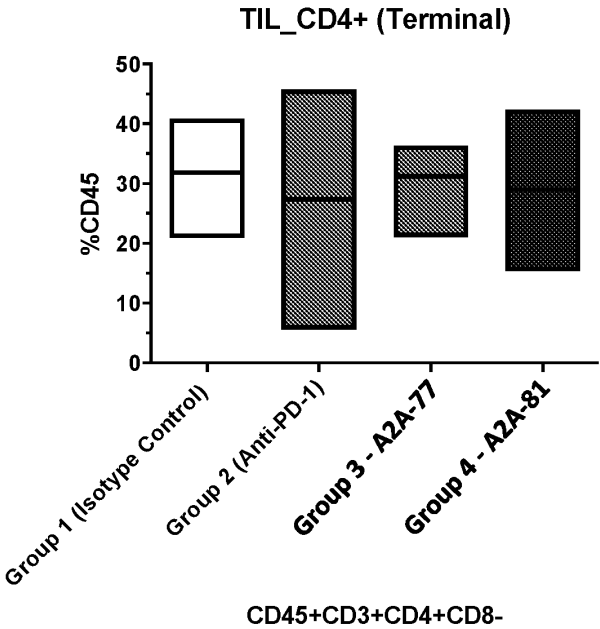


FIG. 35J

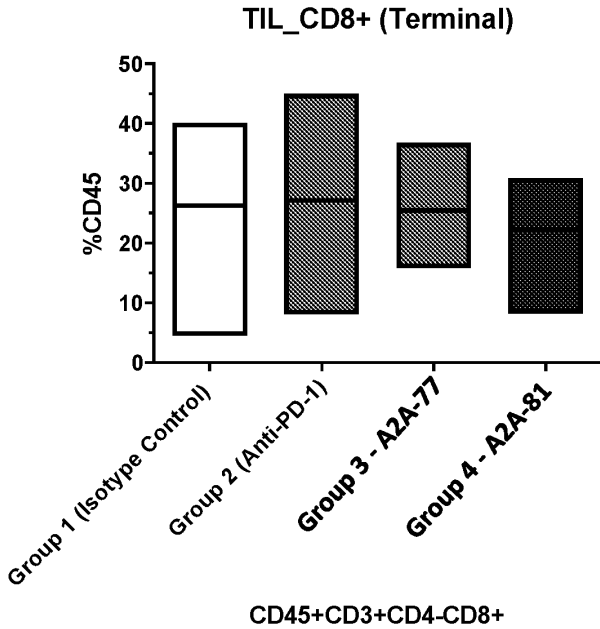


FIG. 35K

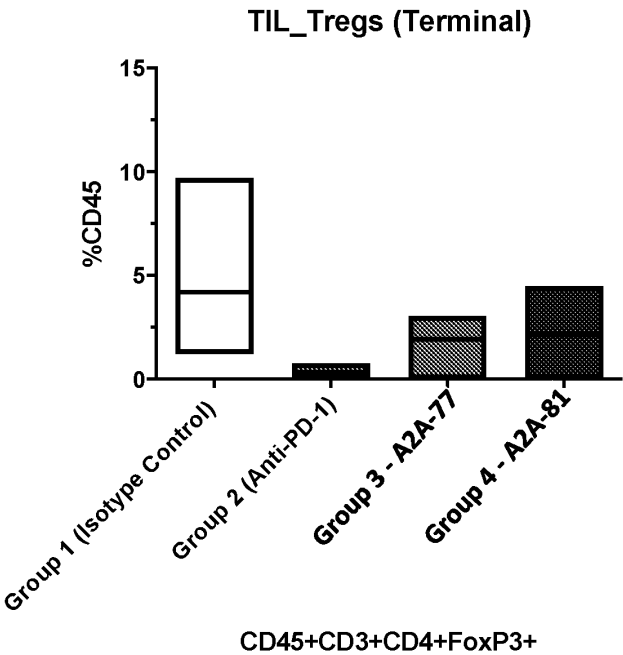


FIG. 35L

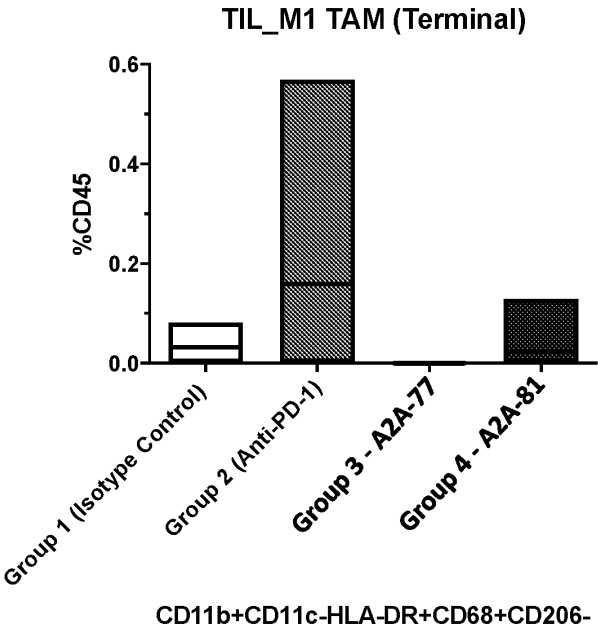


FIG. 35M

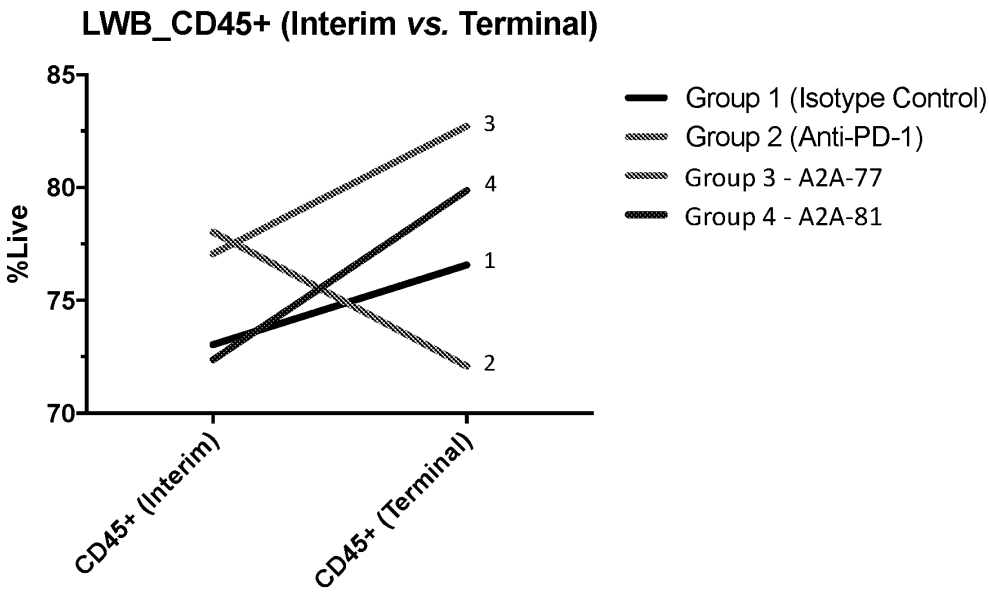


FIG. 36A

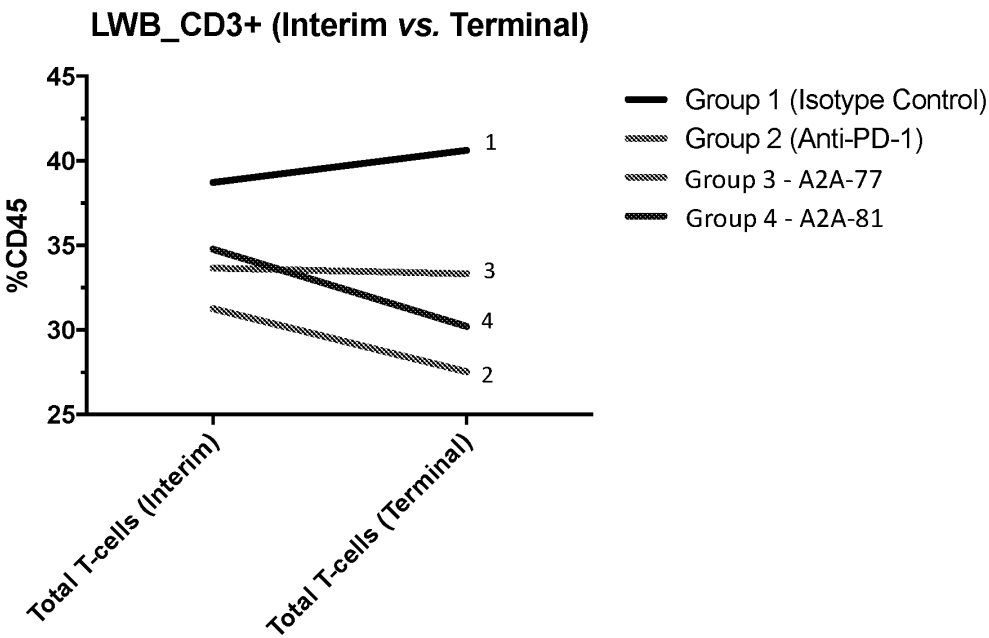


FIG. 36B

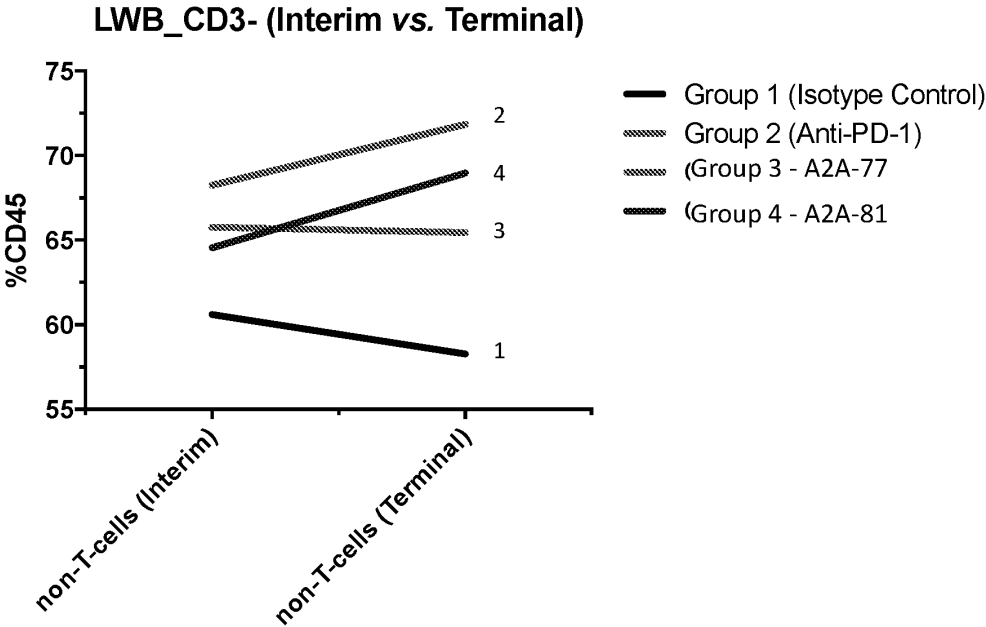


FIG. 36C

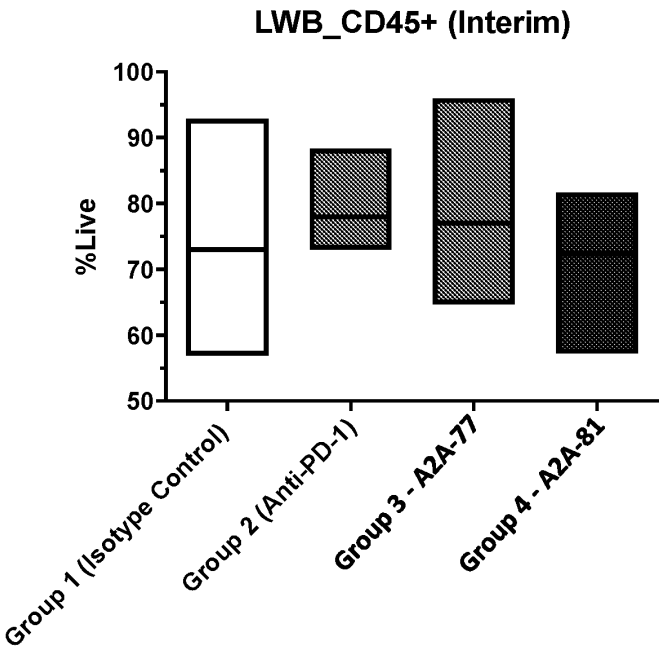


FIG. 37A

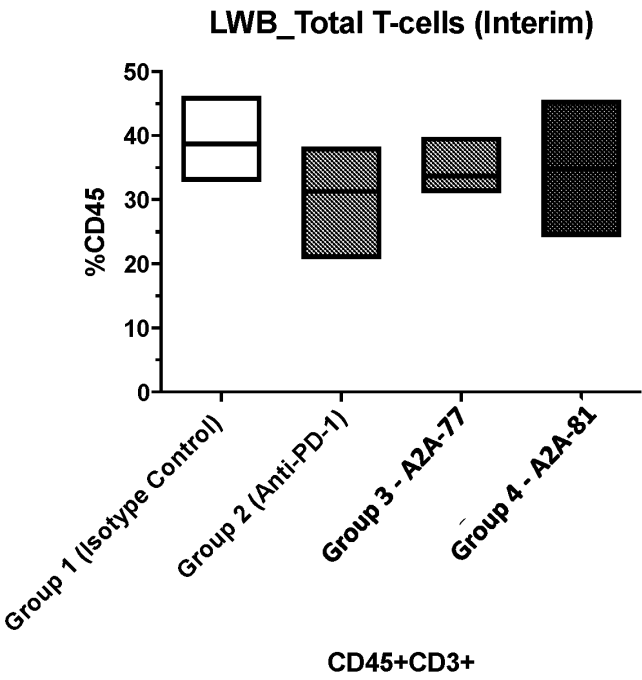


FIG. 37B

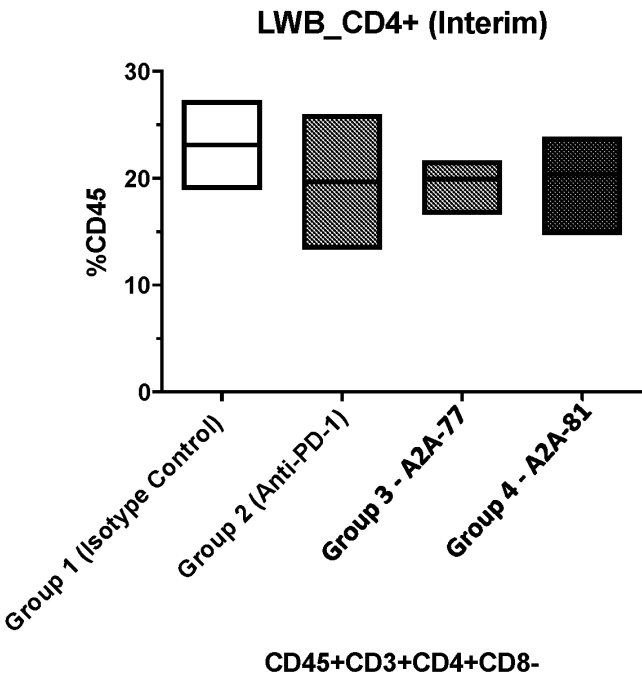
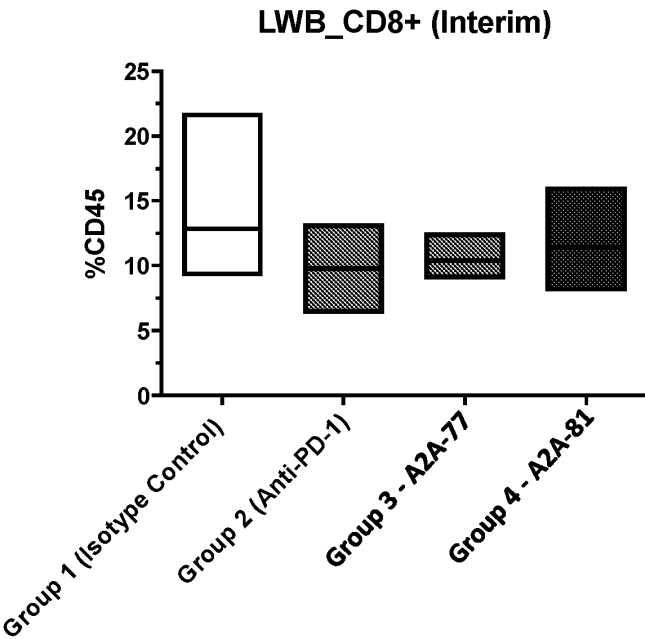


FIG. 37C



CD45+CD3+CD4-CD8+

FIG. 37D

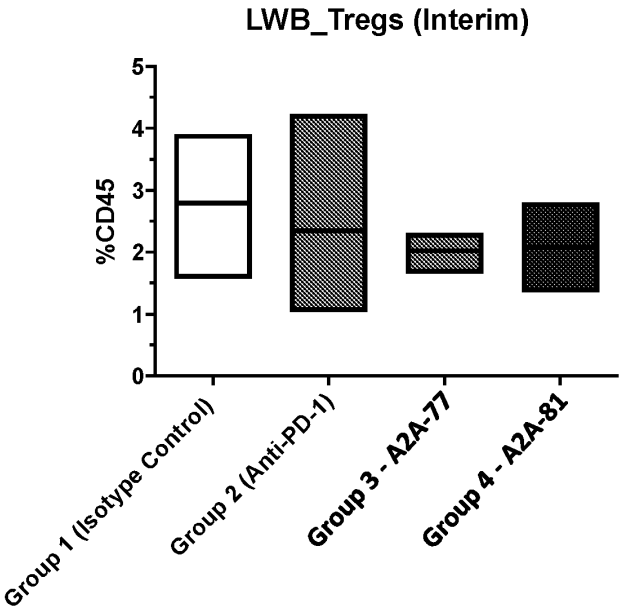


FIG. 37E

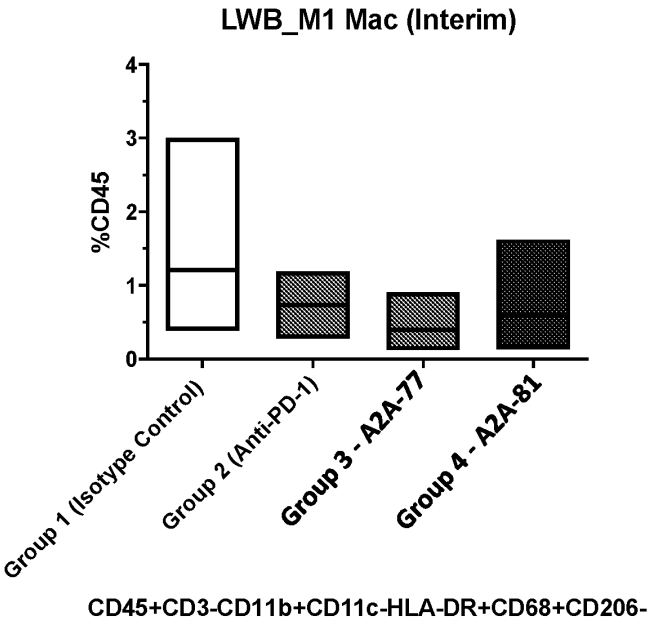


FIG. 37F

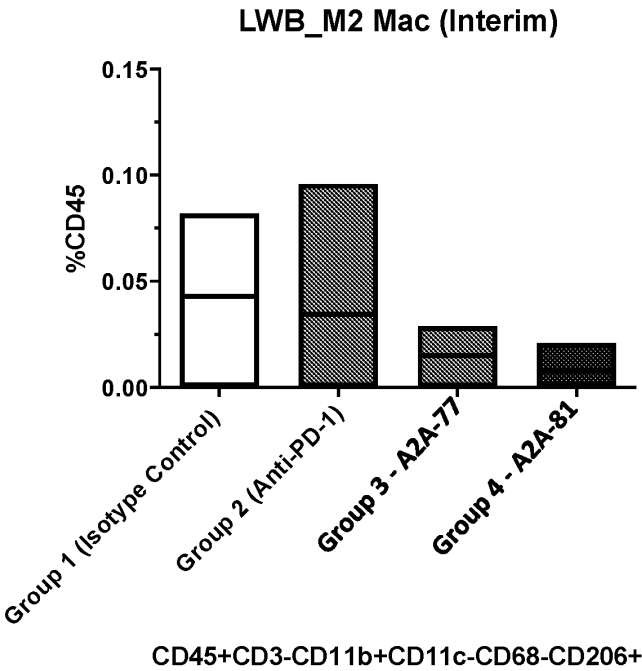


FIG. 37G

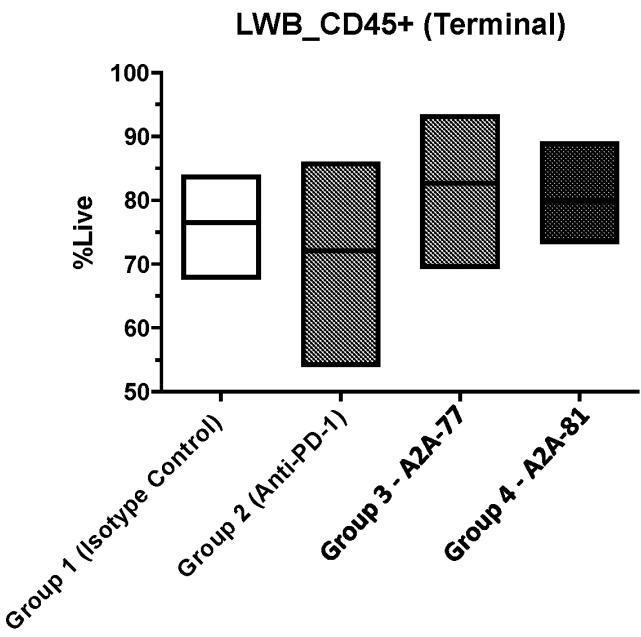


FIG. 38A

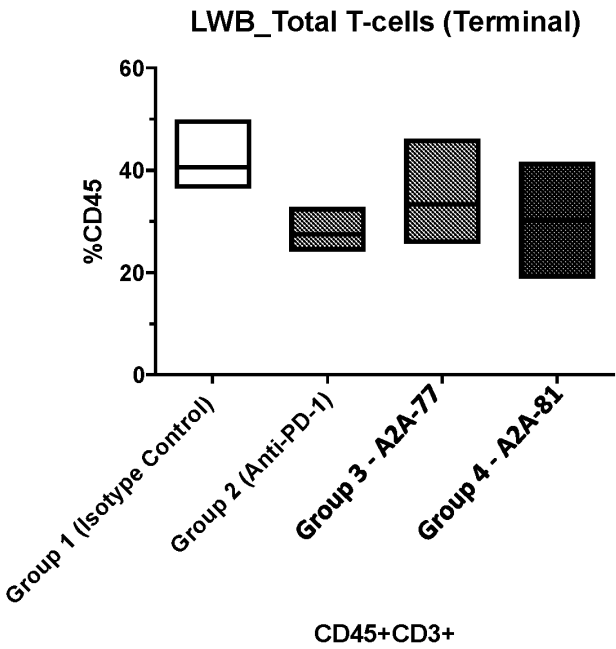
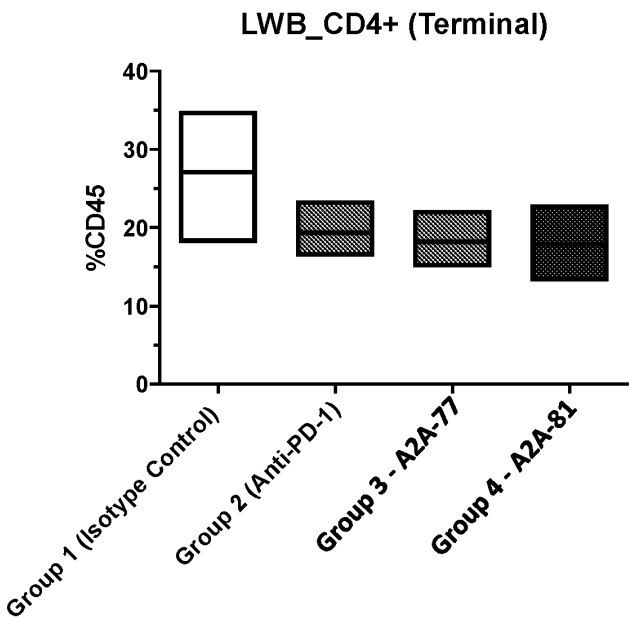
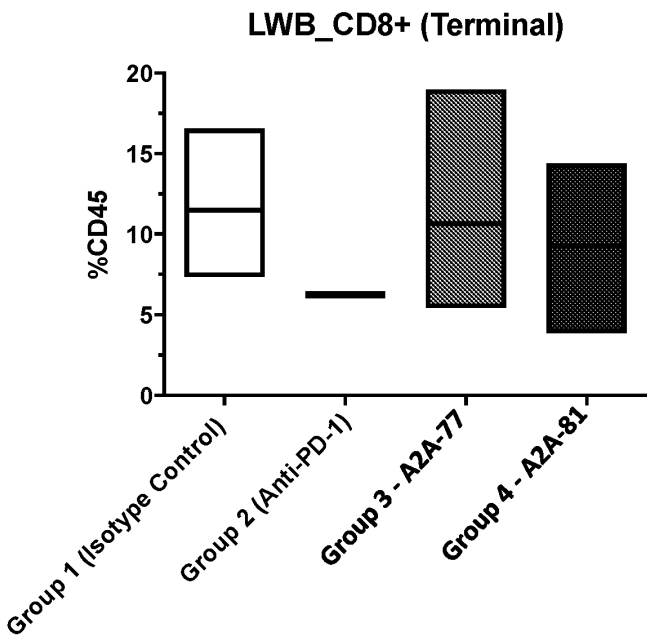


FIG. 38B



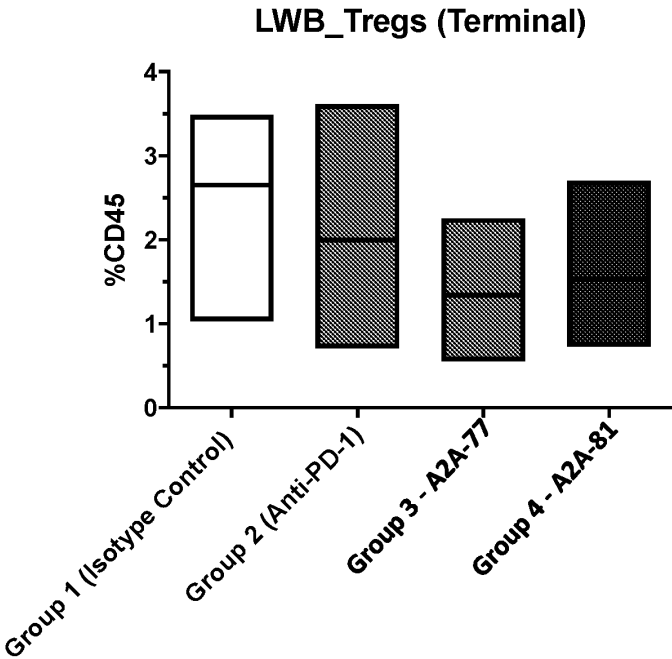
CD45+CD3+CD4+CD8-

FIG. 38C



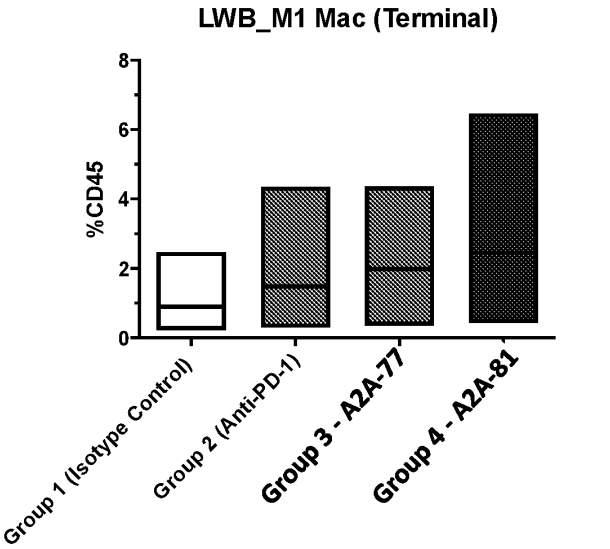
CD45+CD3+CD4-CD8+

FIG. 38D



CD45+CD3+CD4+FoxP3+

FIG. 38E



CD45+CD3-CD11b+CD11c-HLA-DR+CD68+CD206-

FIG. 38F

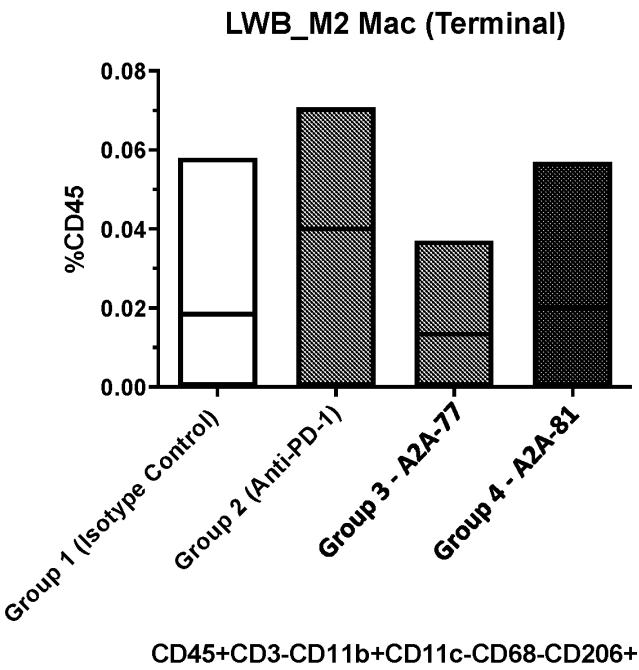


FIG. 38G

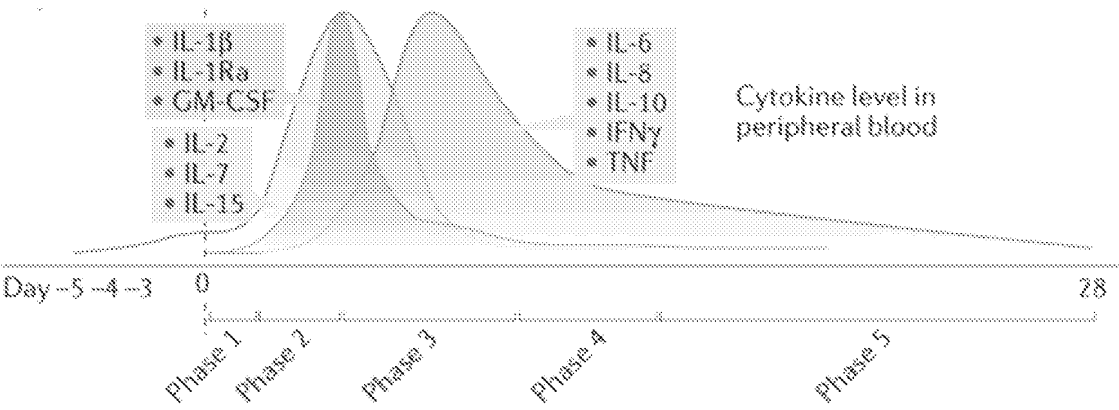


FIG. 39

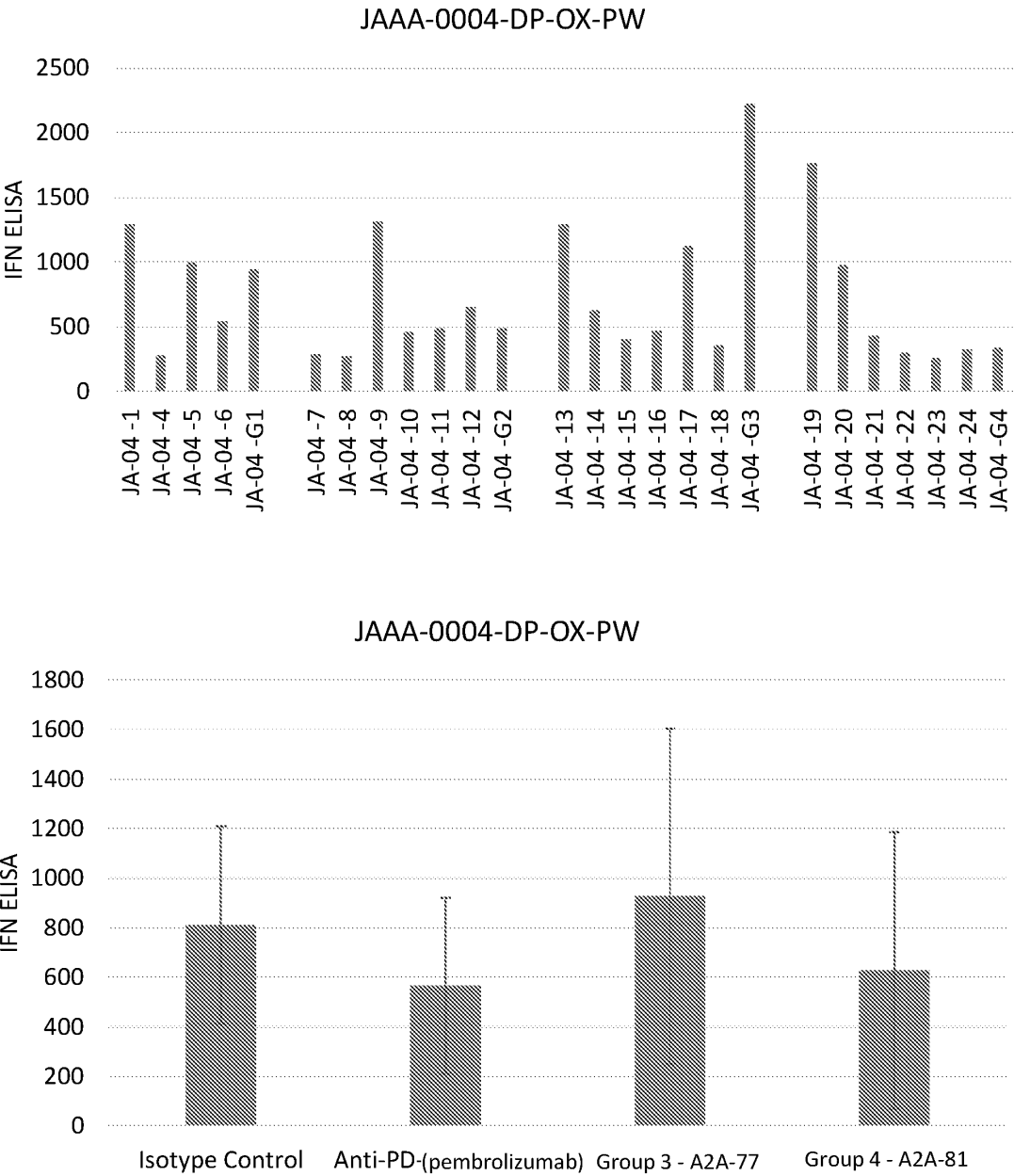


FIG. 40A

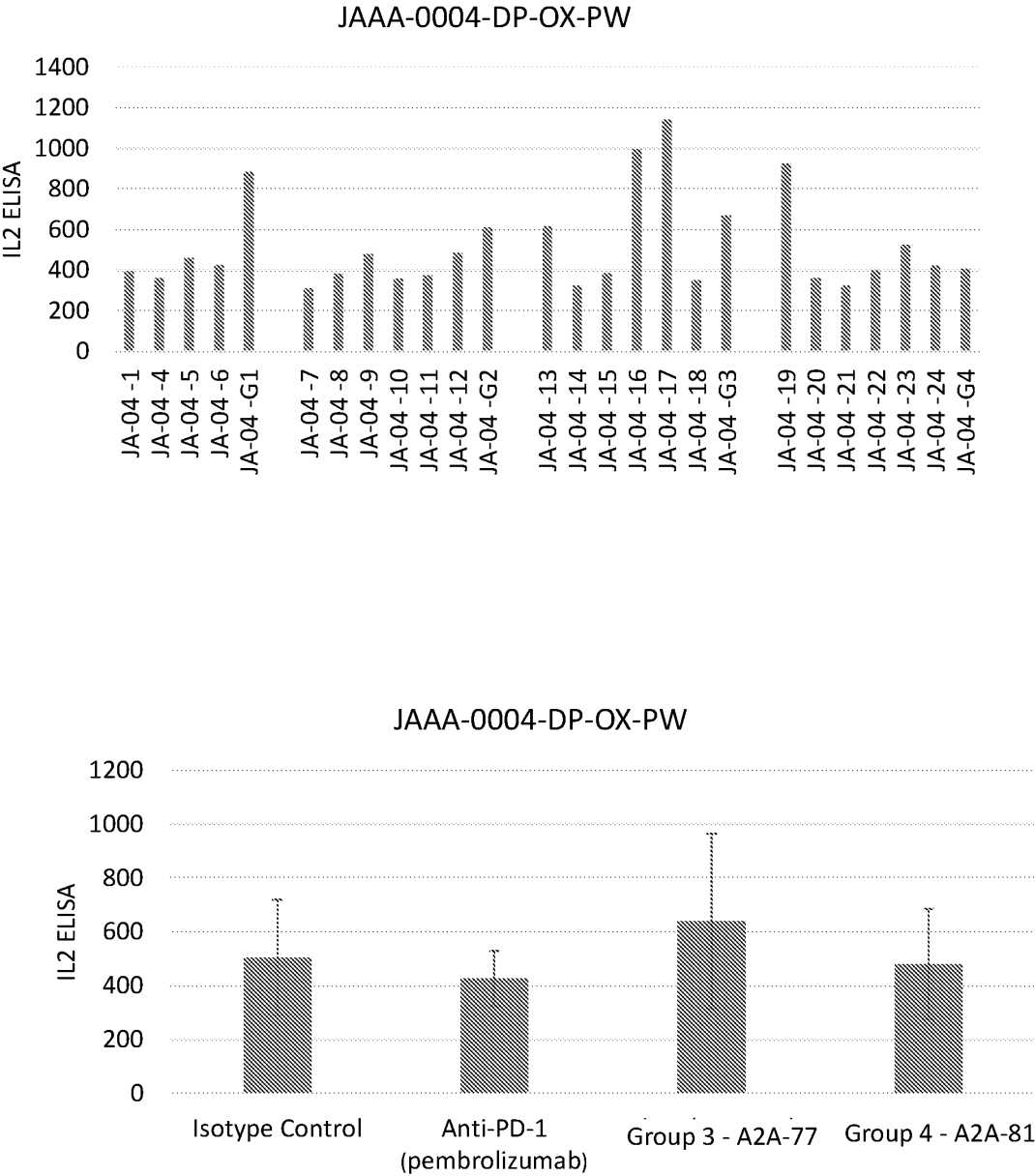


FIG. 40B

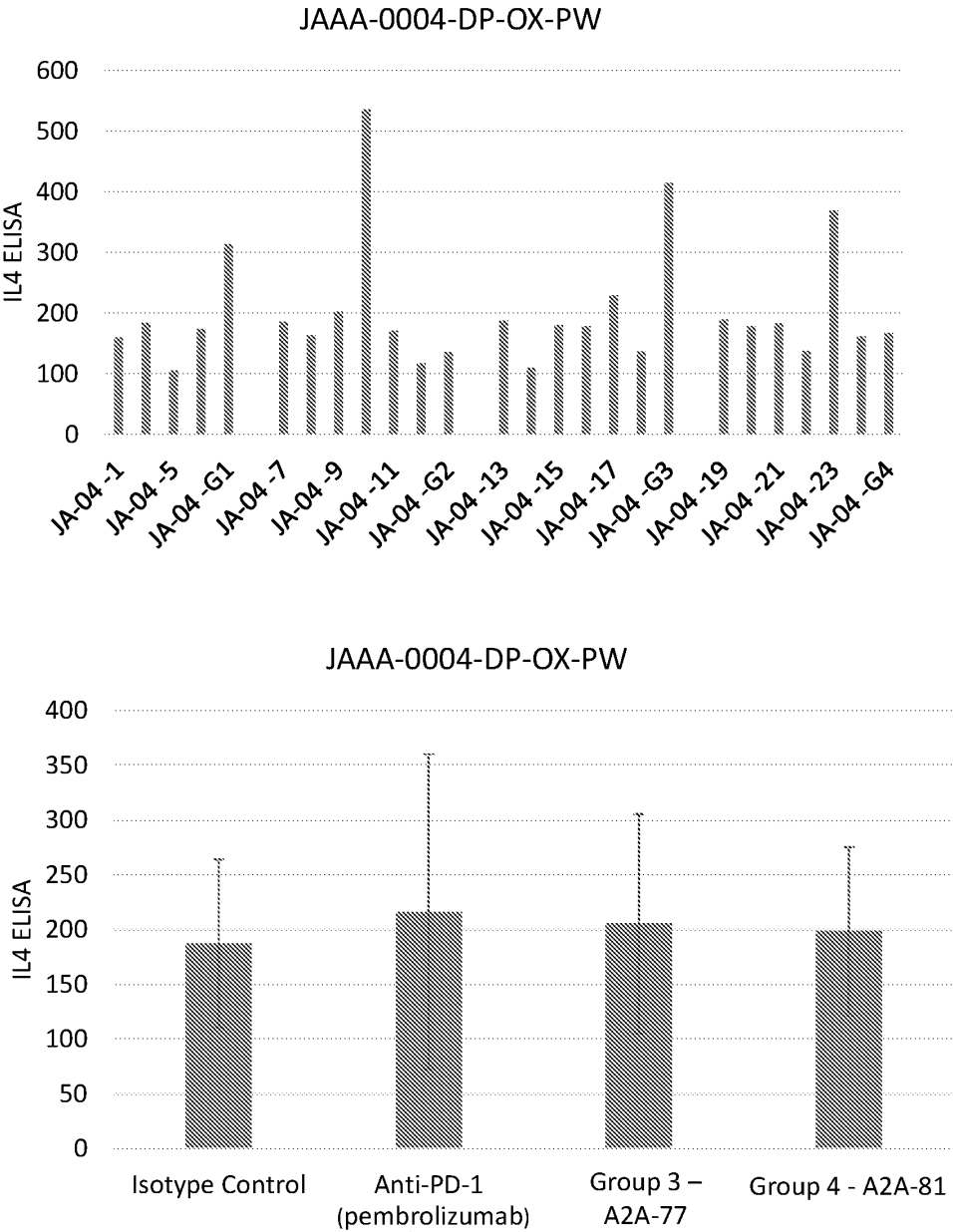


FIG. 40C

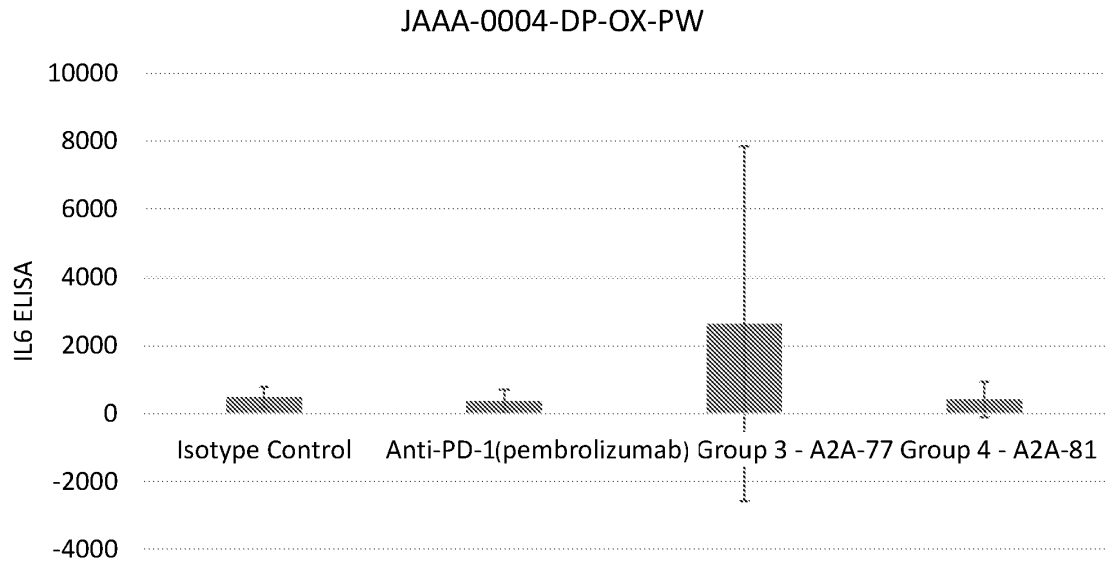
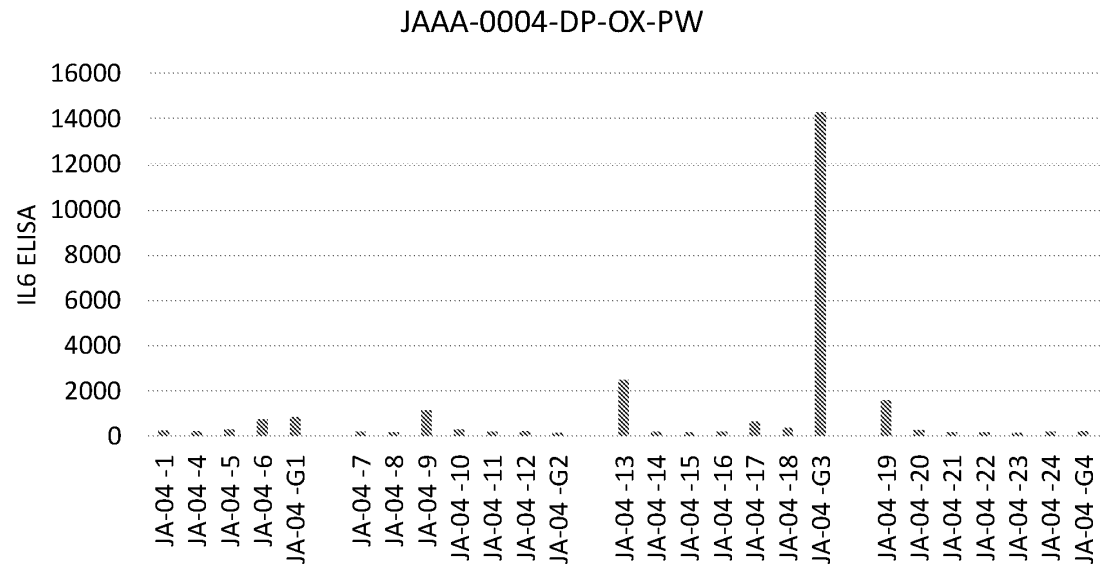


FIG. 40D

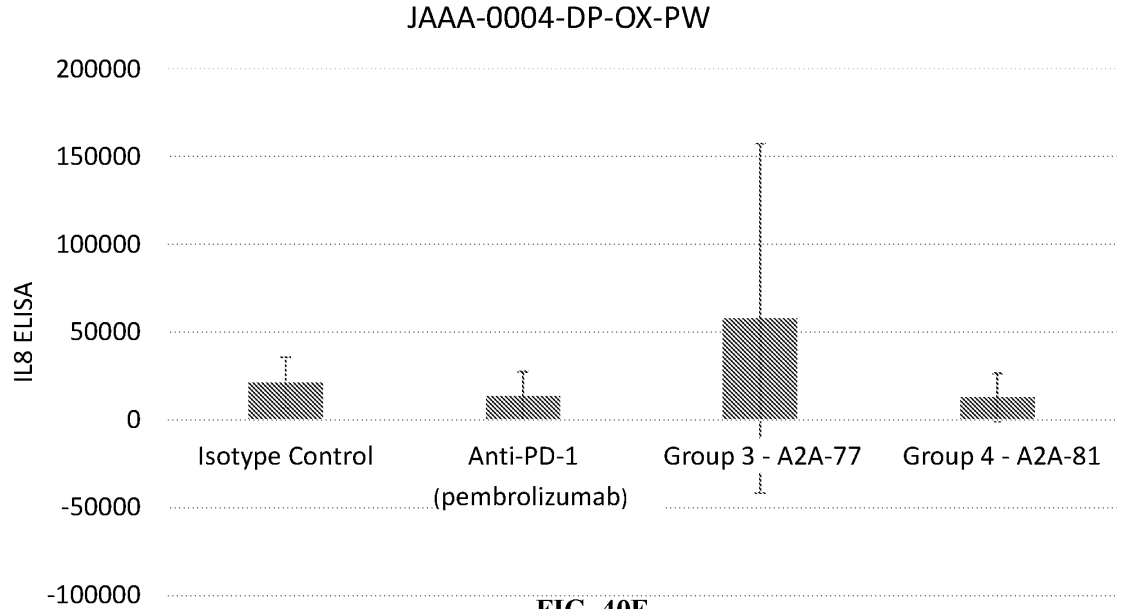
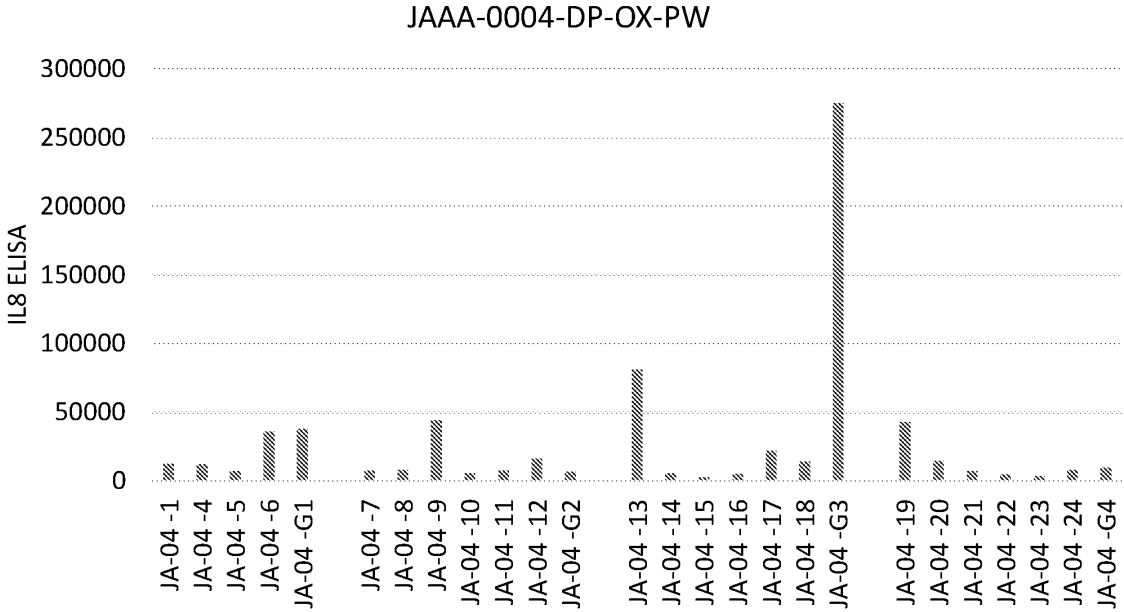


FIG. 40E

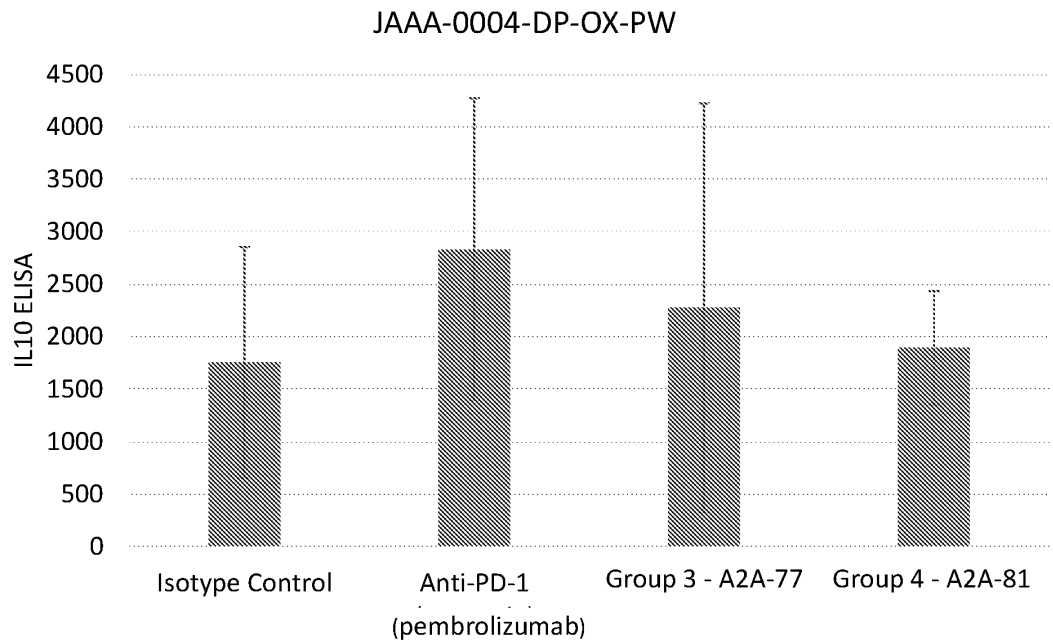
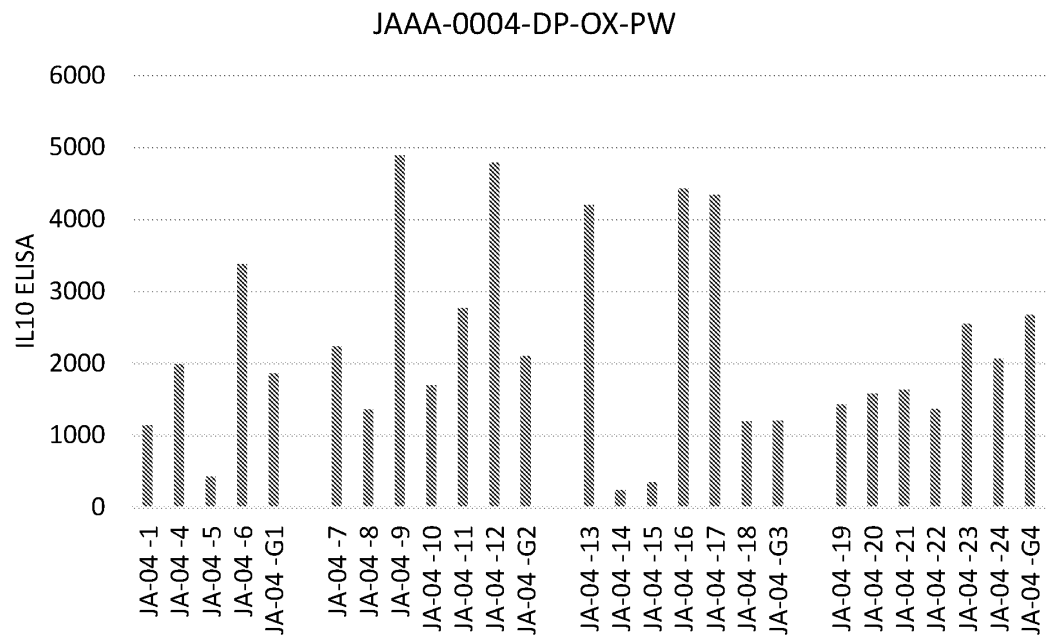


FIG. 40F

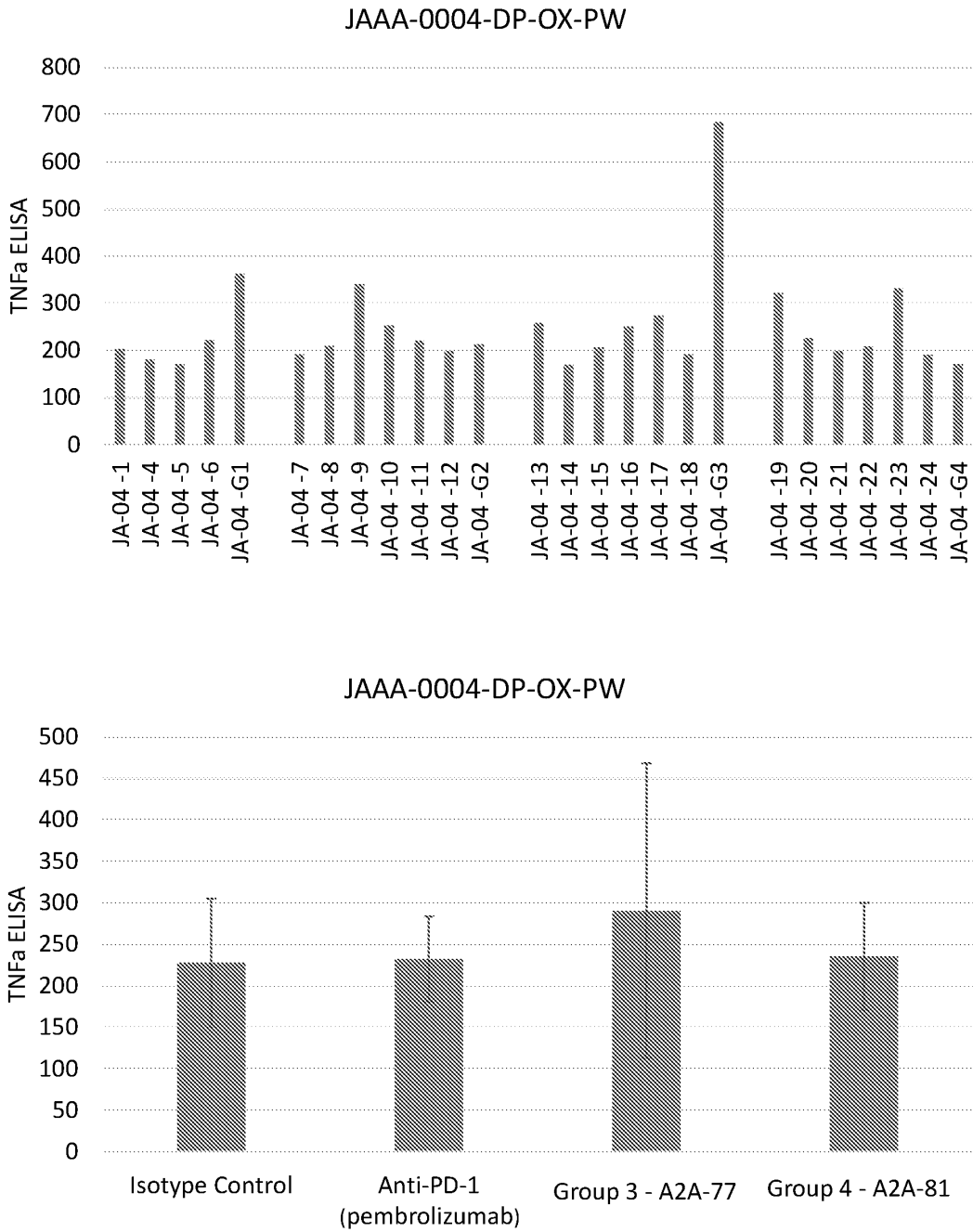


FIG. 40G

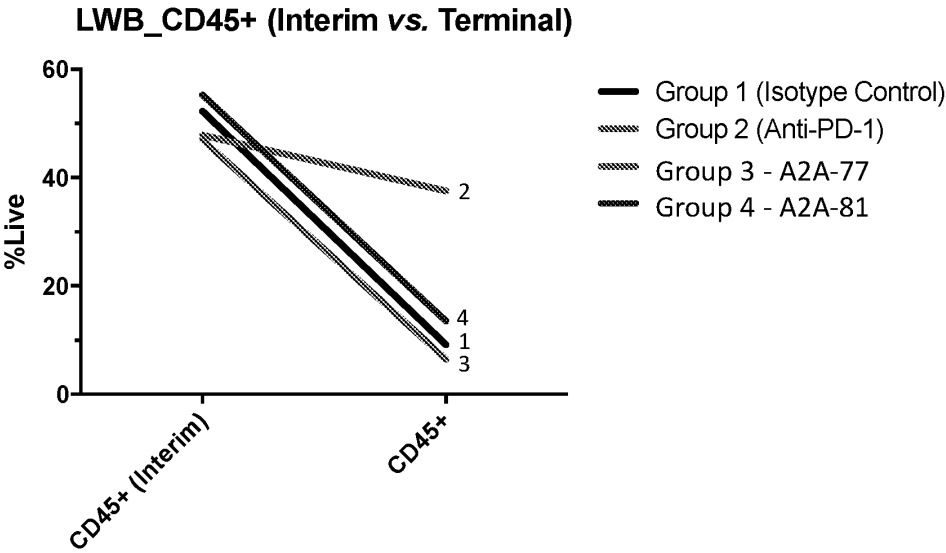


FIG. 41A

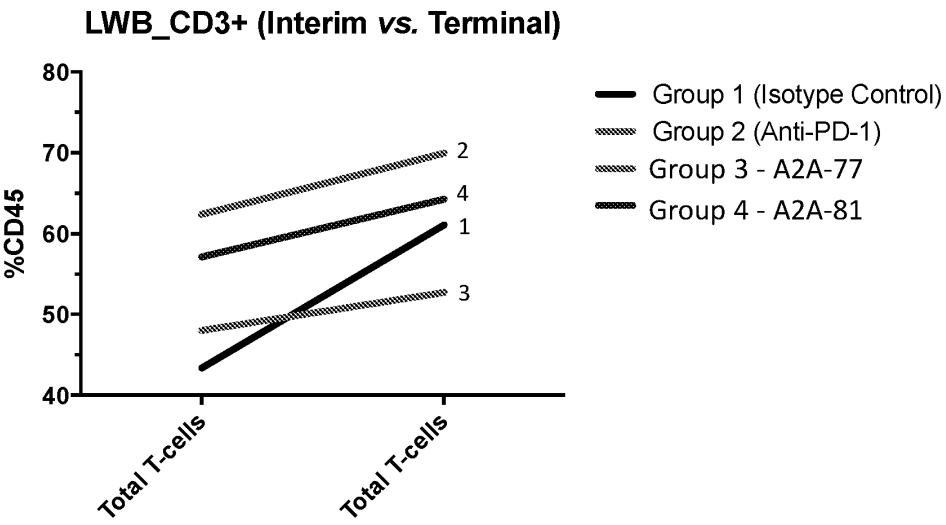


FIG. 41B

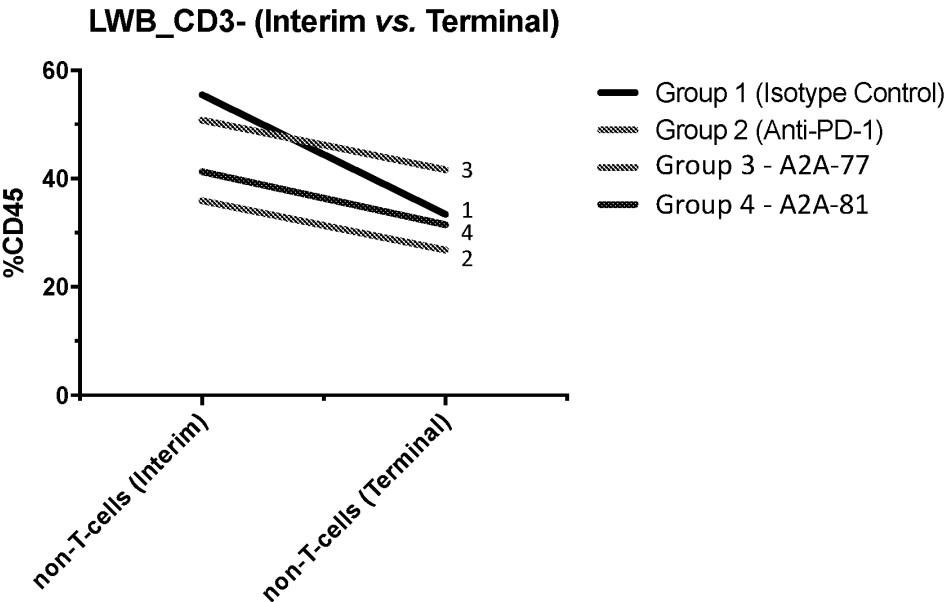


FIG. 41C

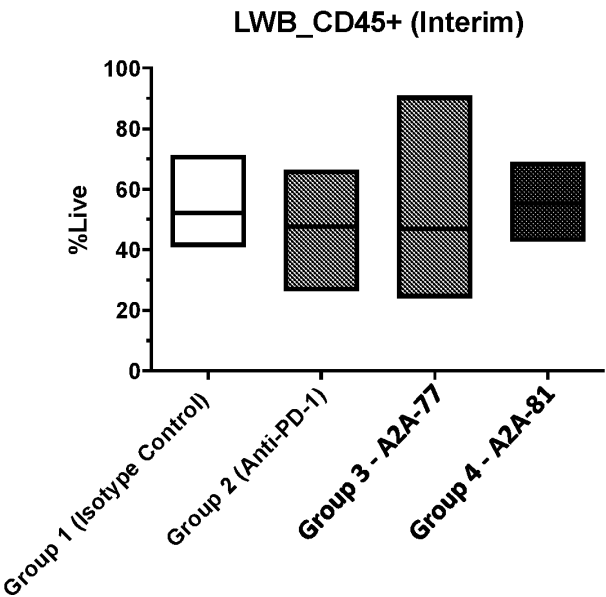


FIG. 42A

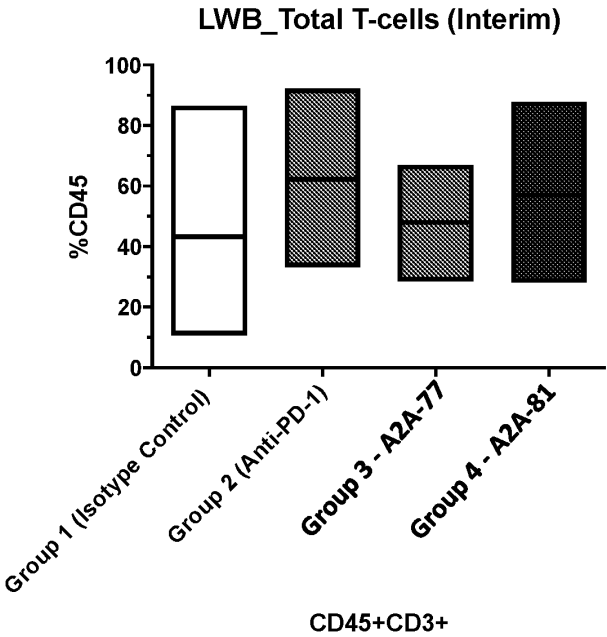


FIG. 42B

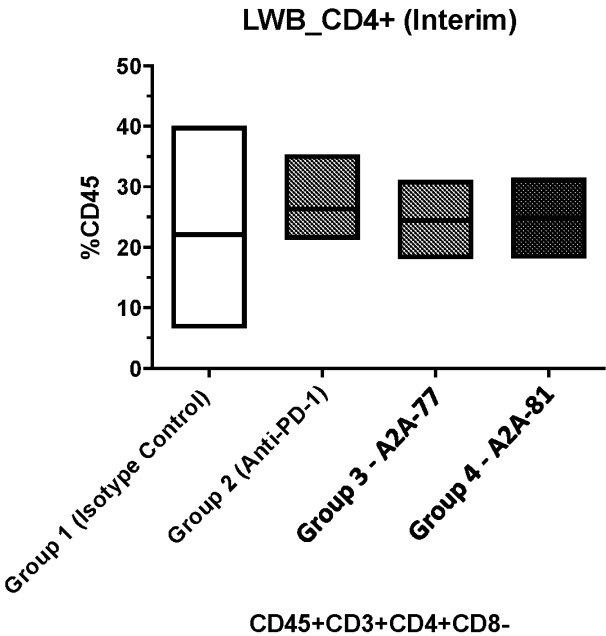


FIG. 42C

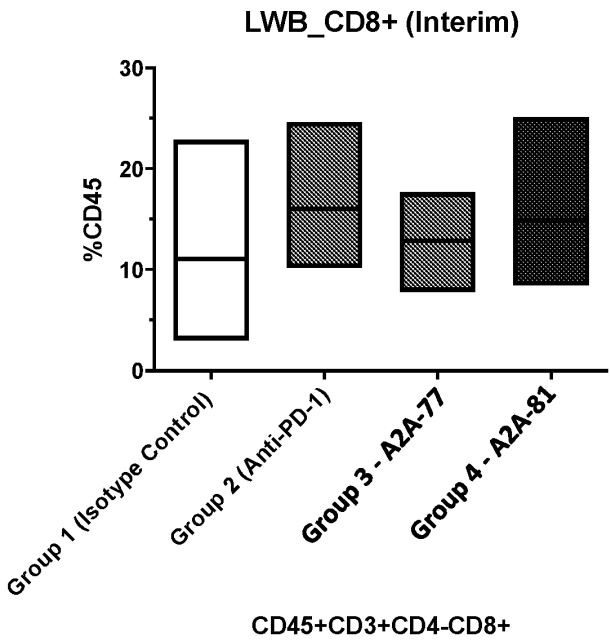


FIG. 42D

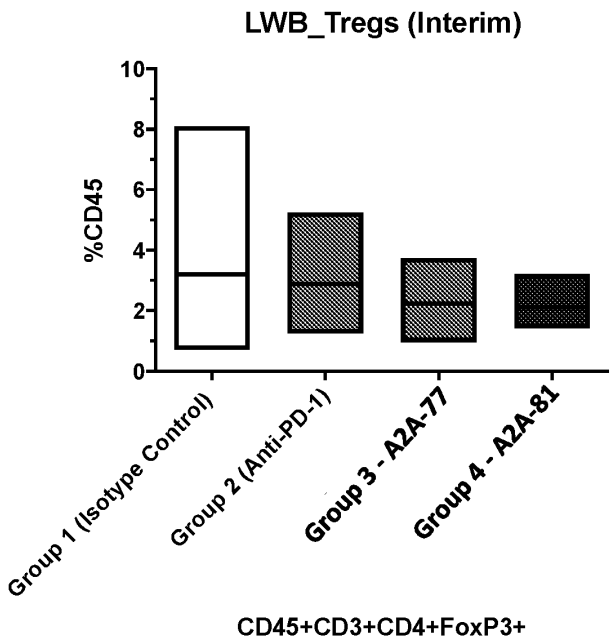


FIG. 42E

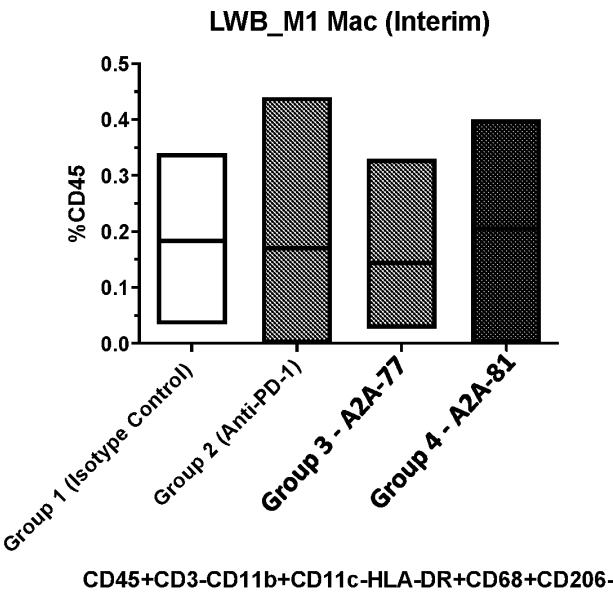


FIG. 42F

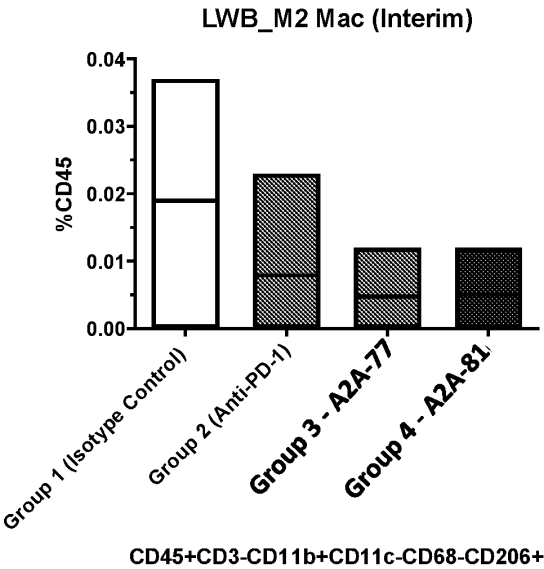


FIG. 42G

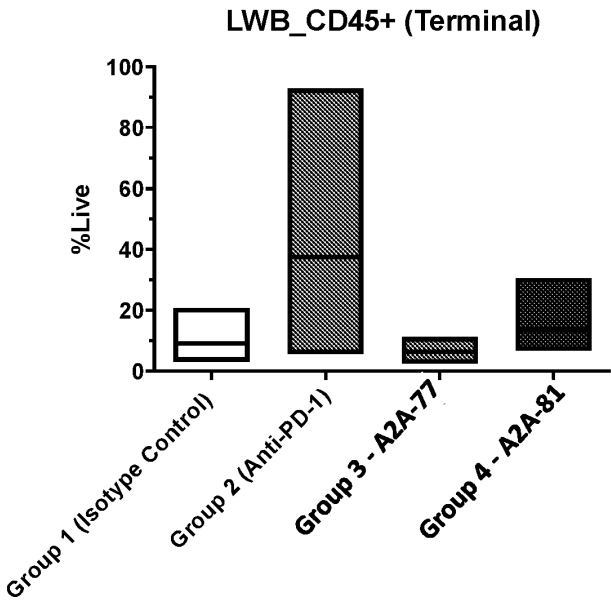


FIG. 43A

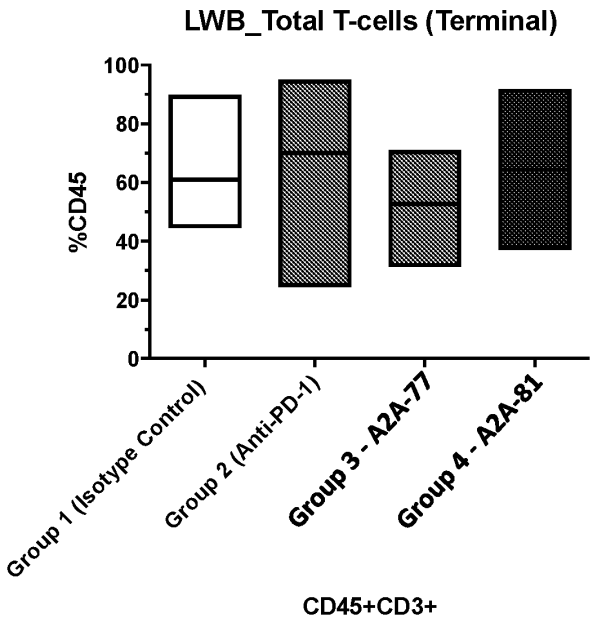


FIG. 43B

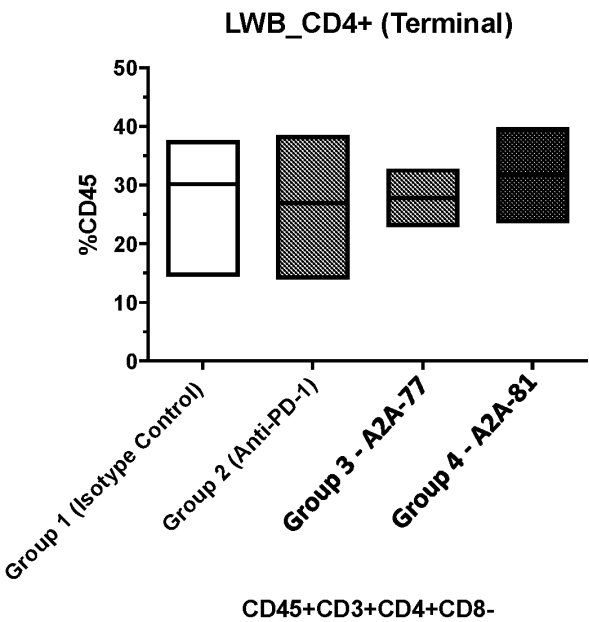


FIG. 43C

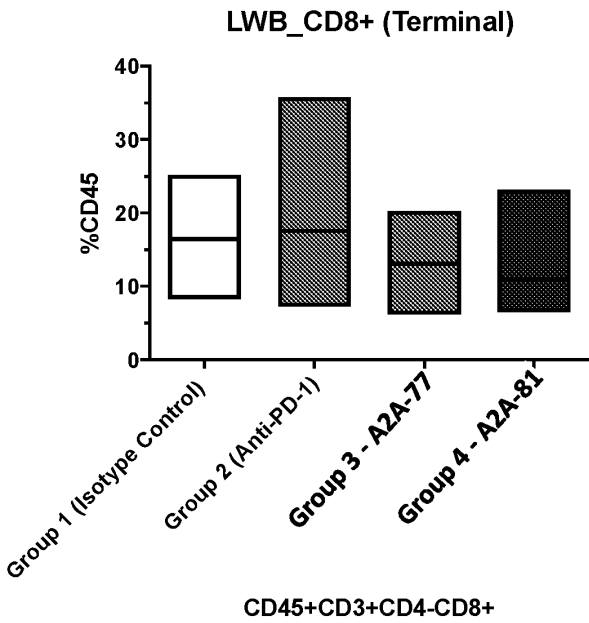


FIG. 43D

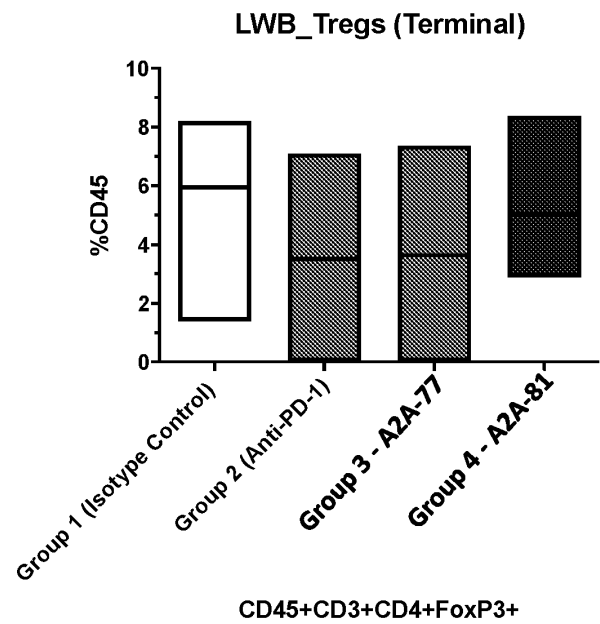


FIG. 43E

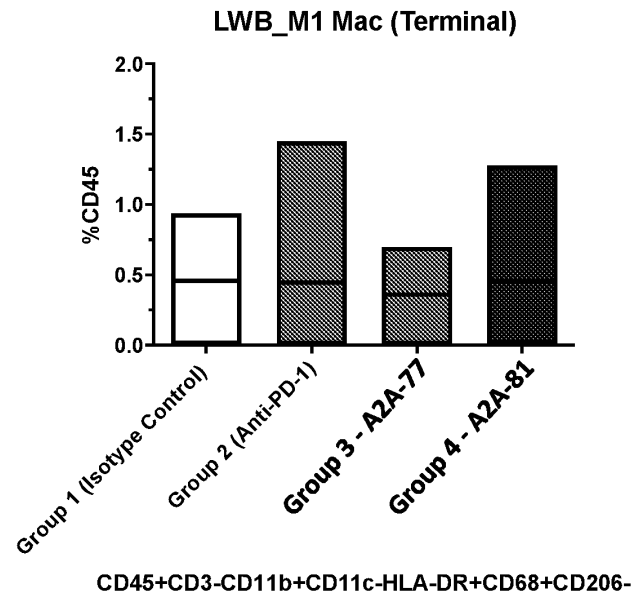
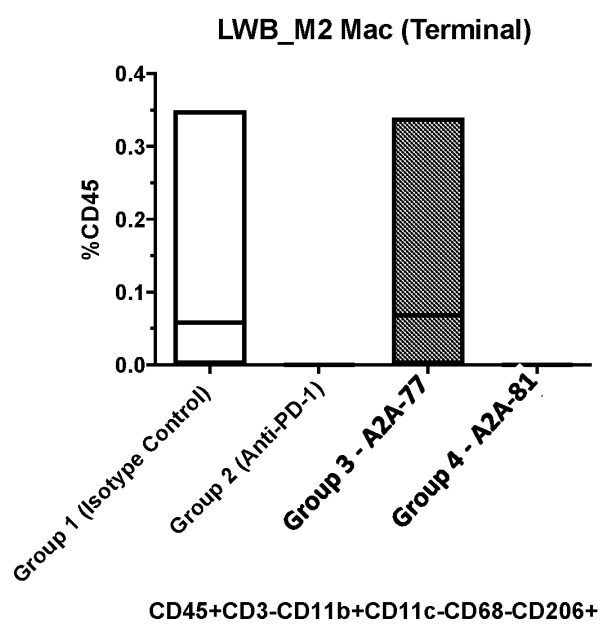


FIG. 43F

**FIG. 43G**

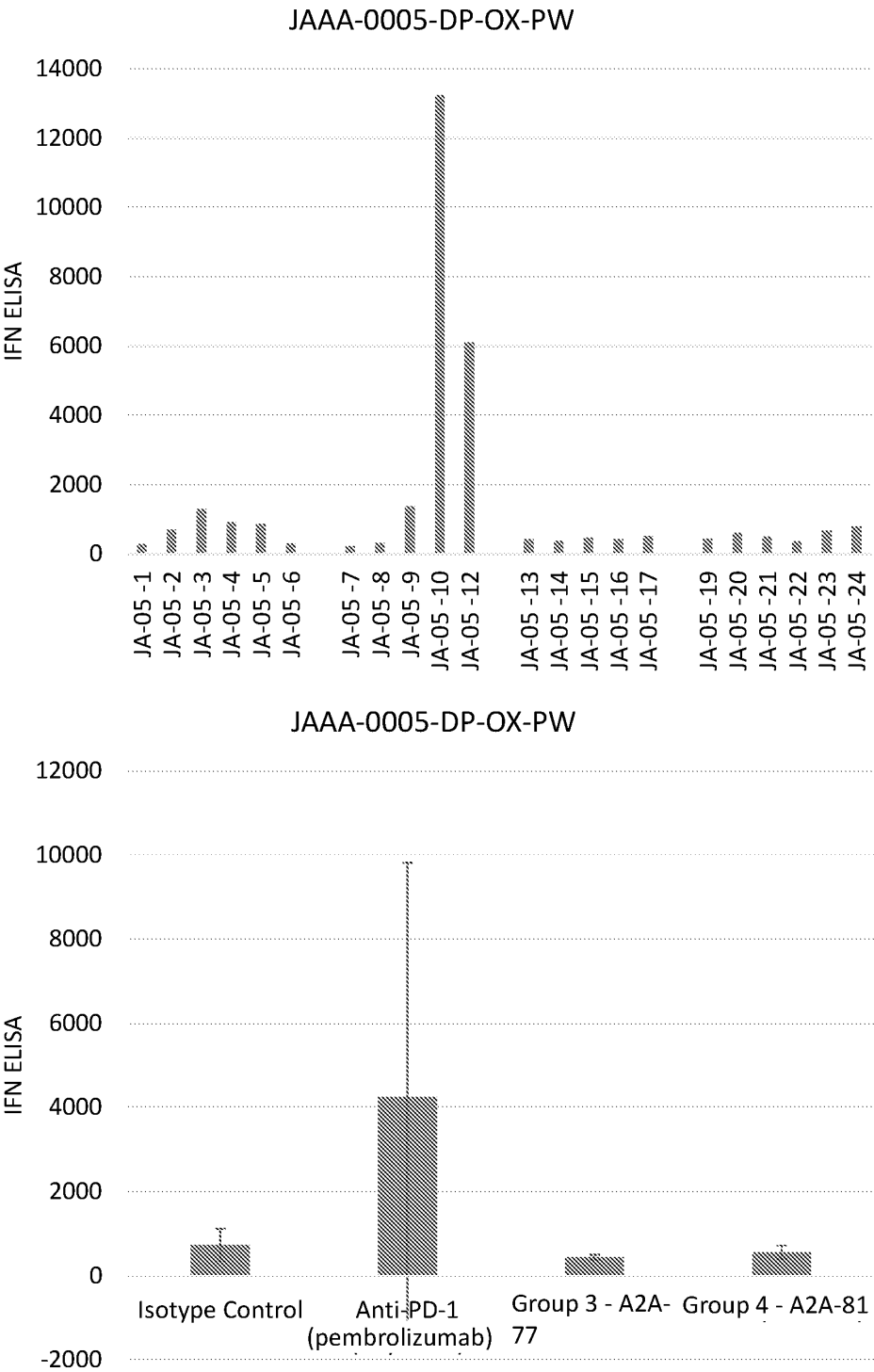


FIG. 44A

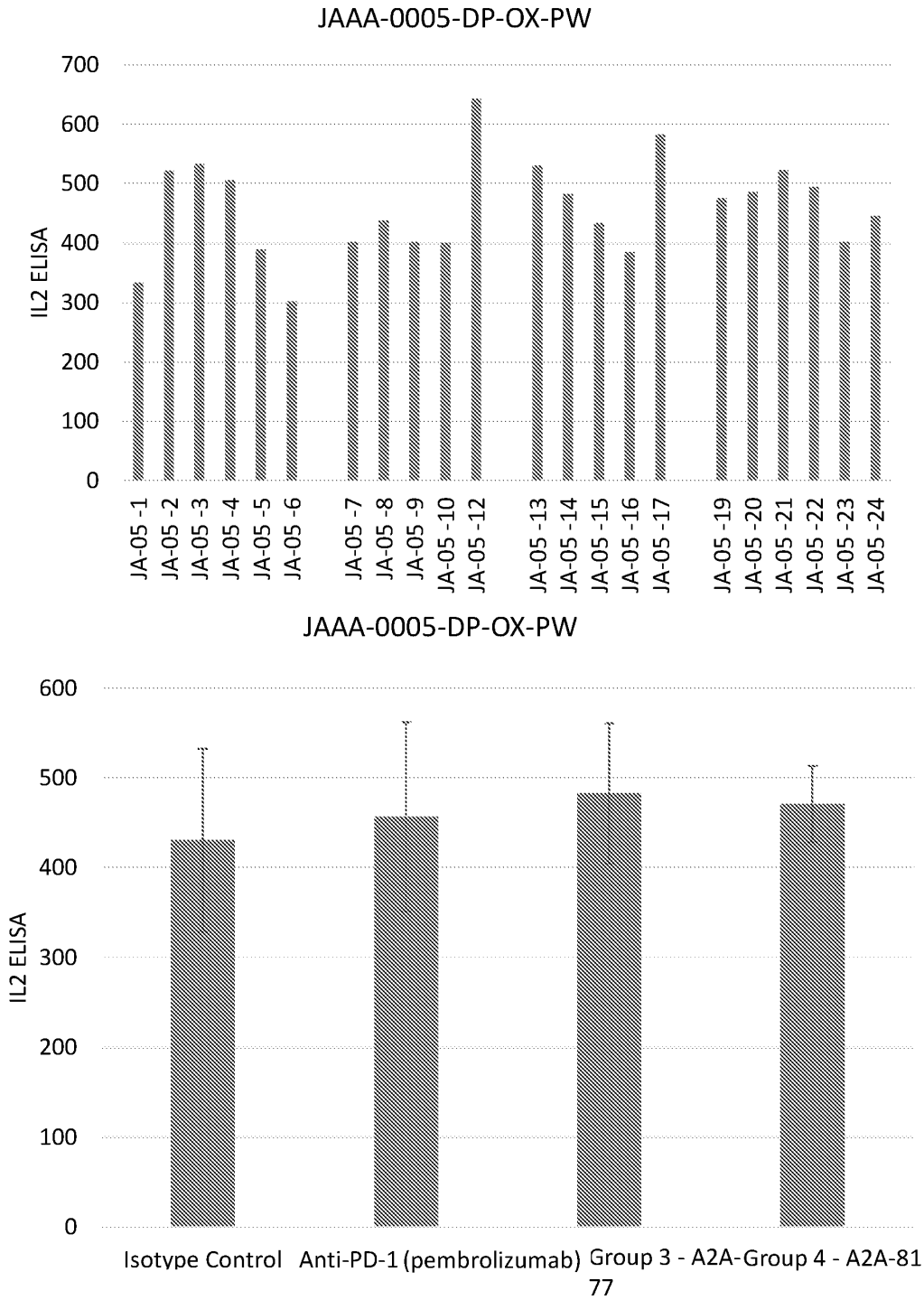


FIG. 44B

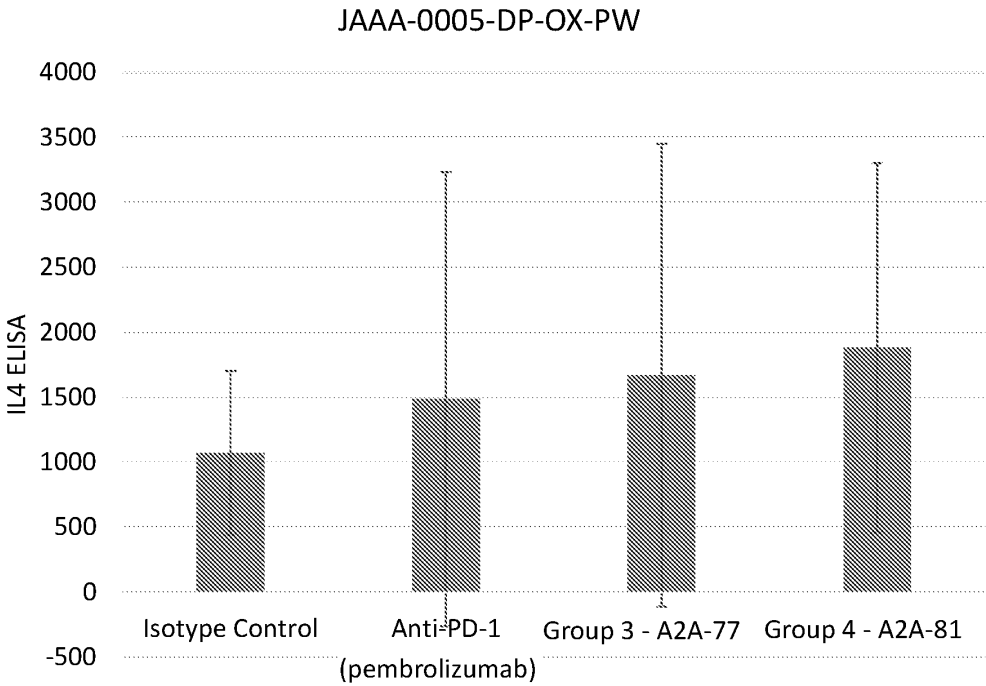
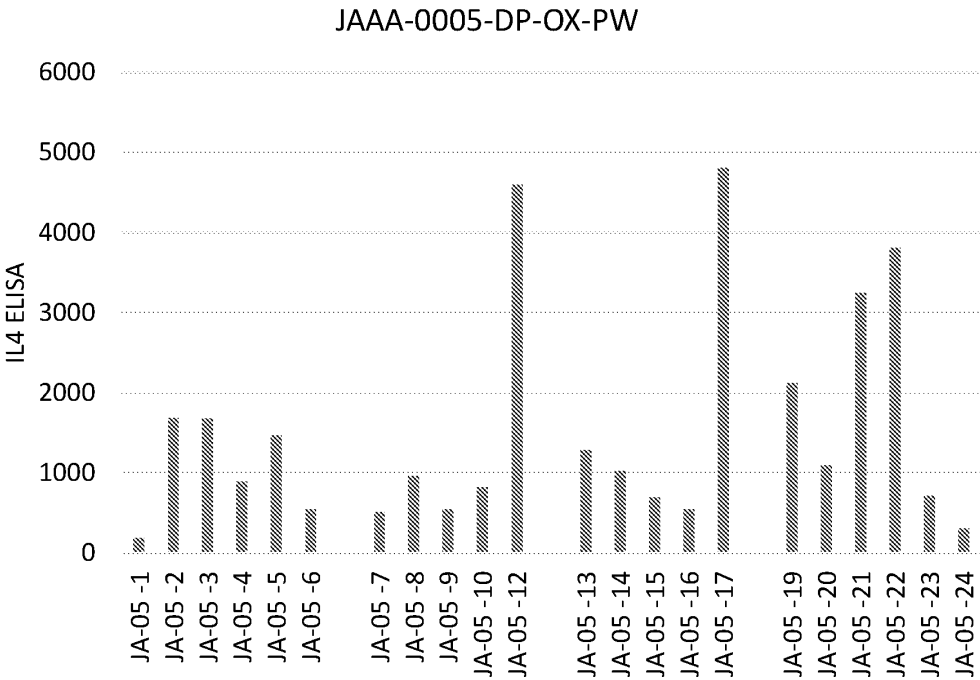


FIG. 44C

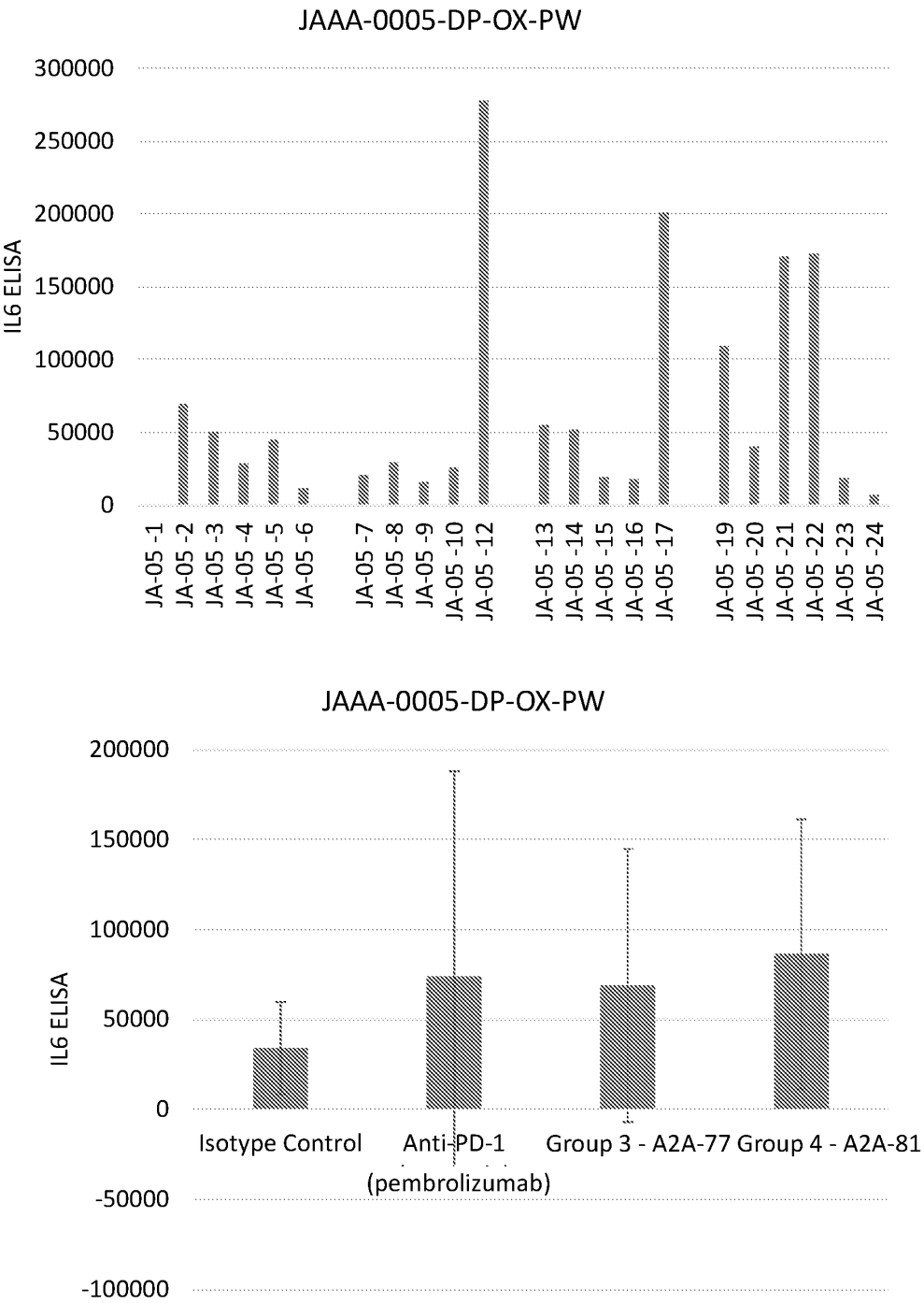


FIG. 44D

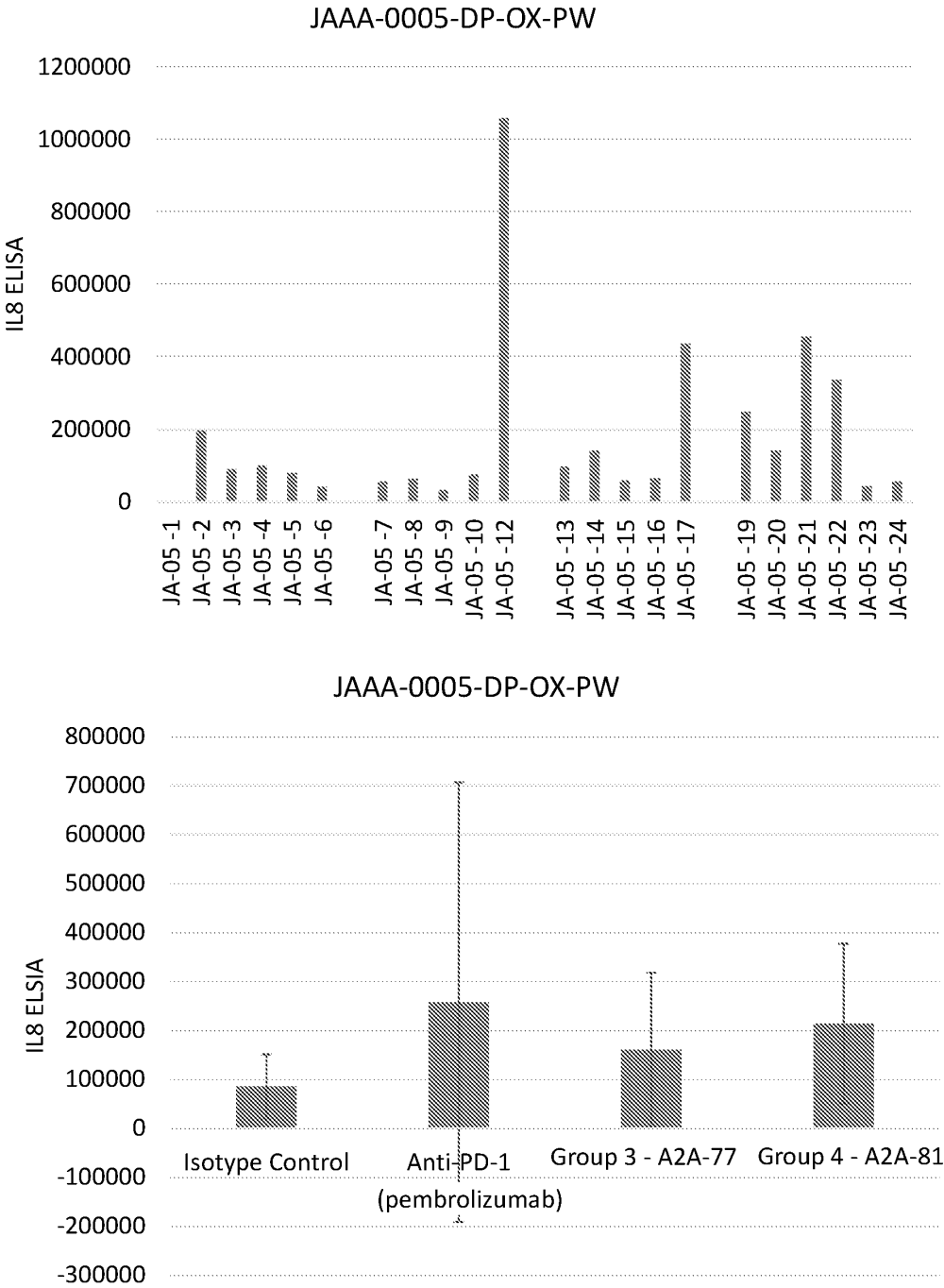


FIG. 44E

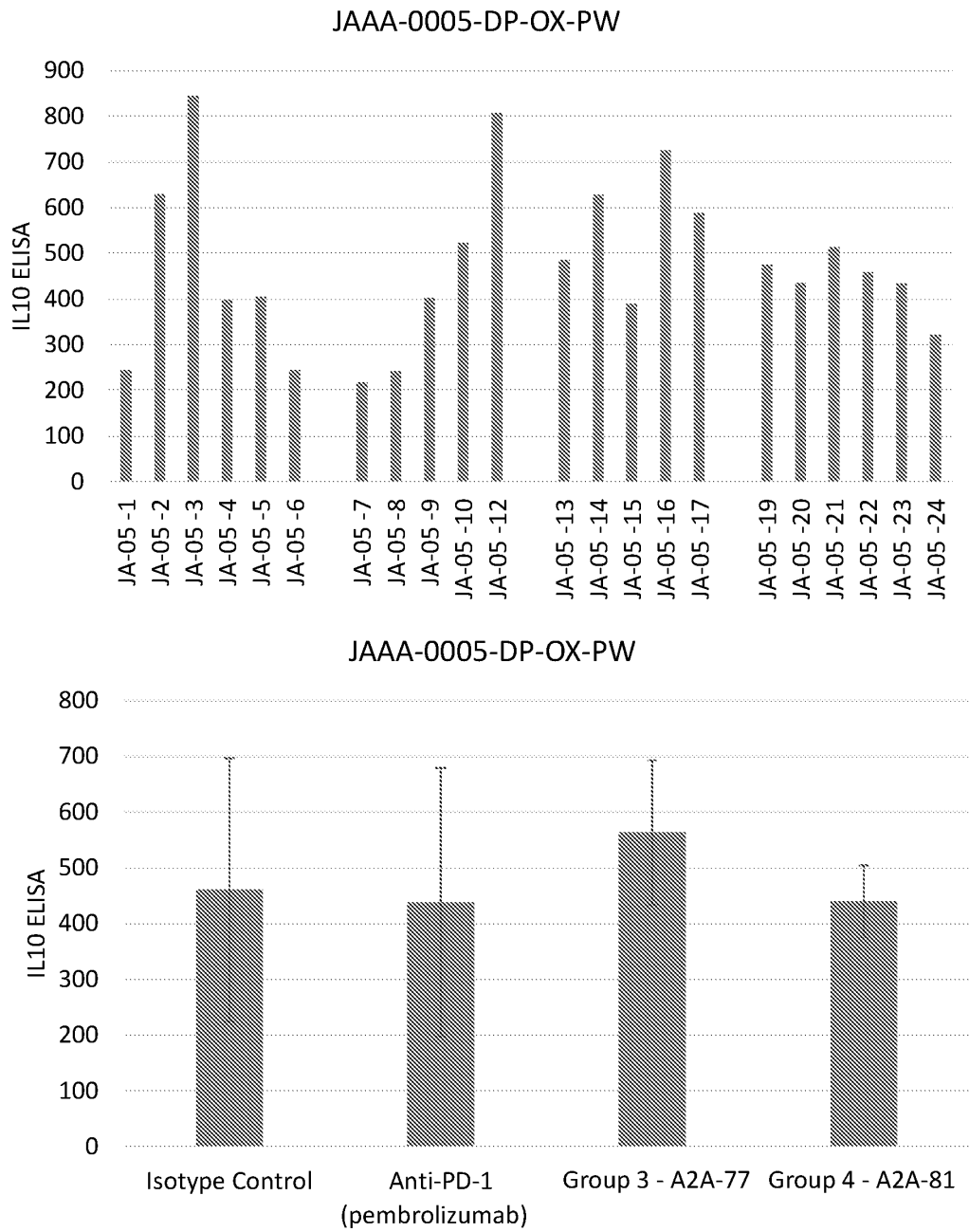


FIG. 44F

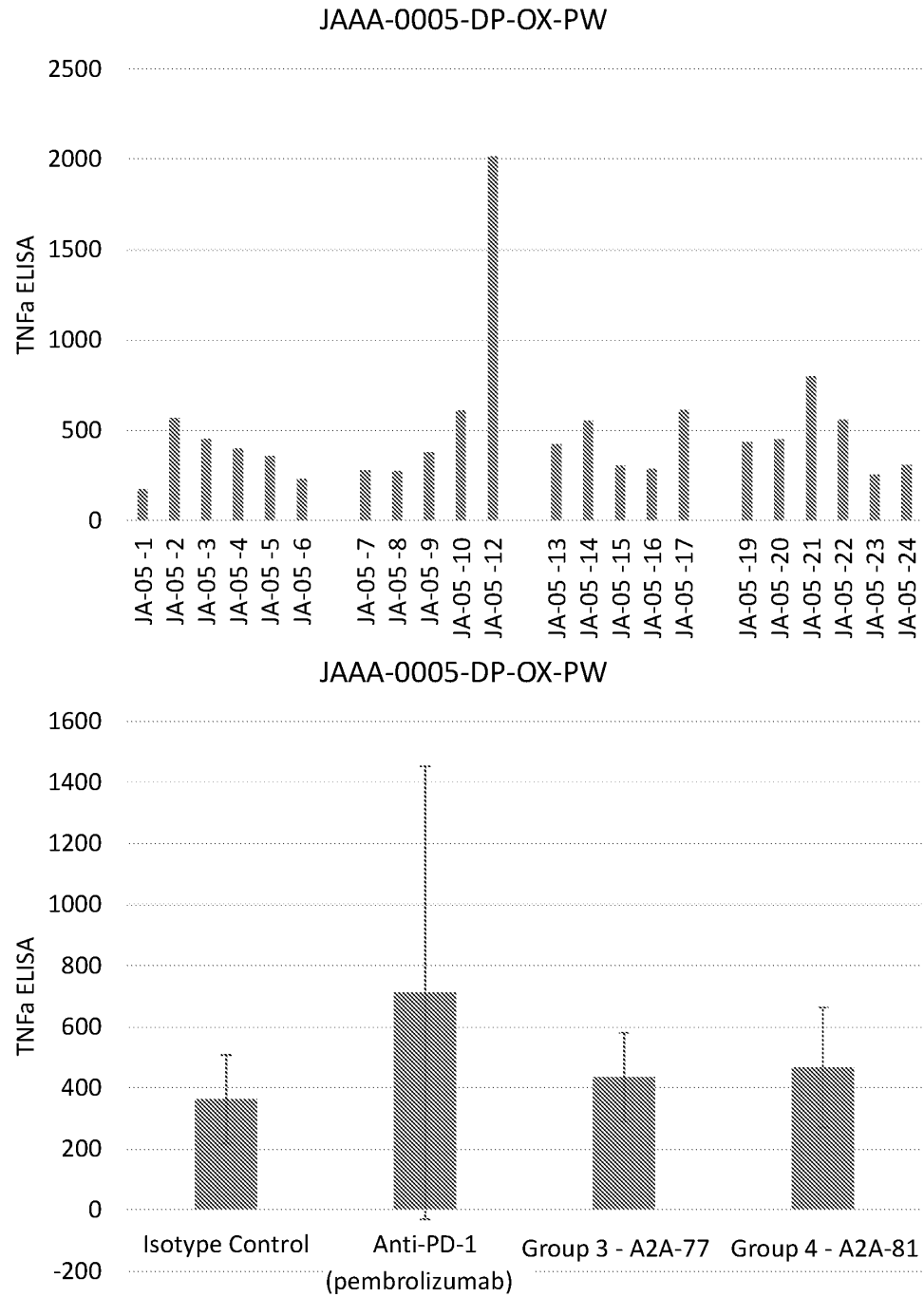


FIG. 44G

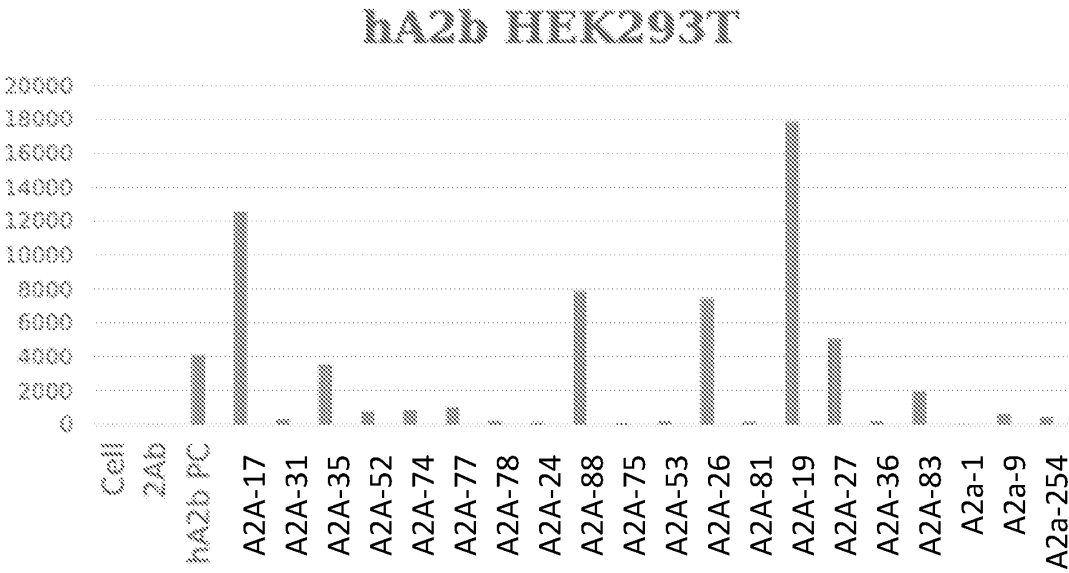


FIG. 45

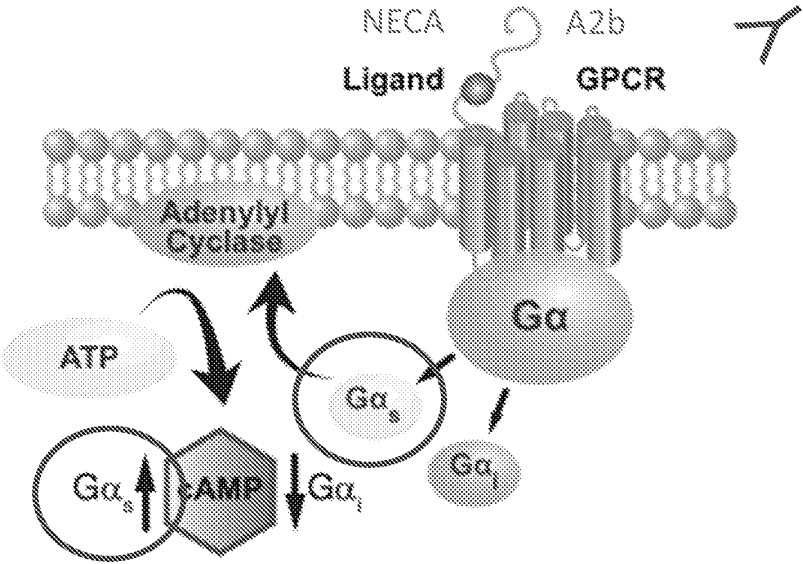
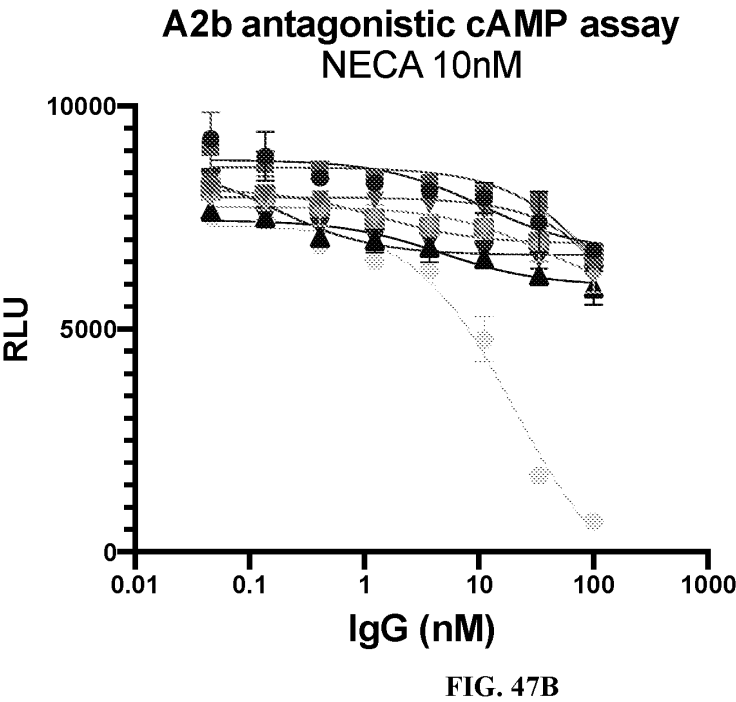
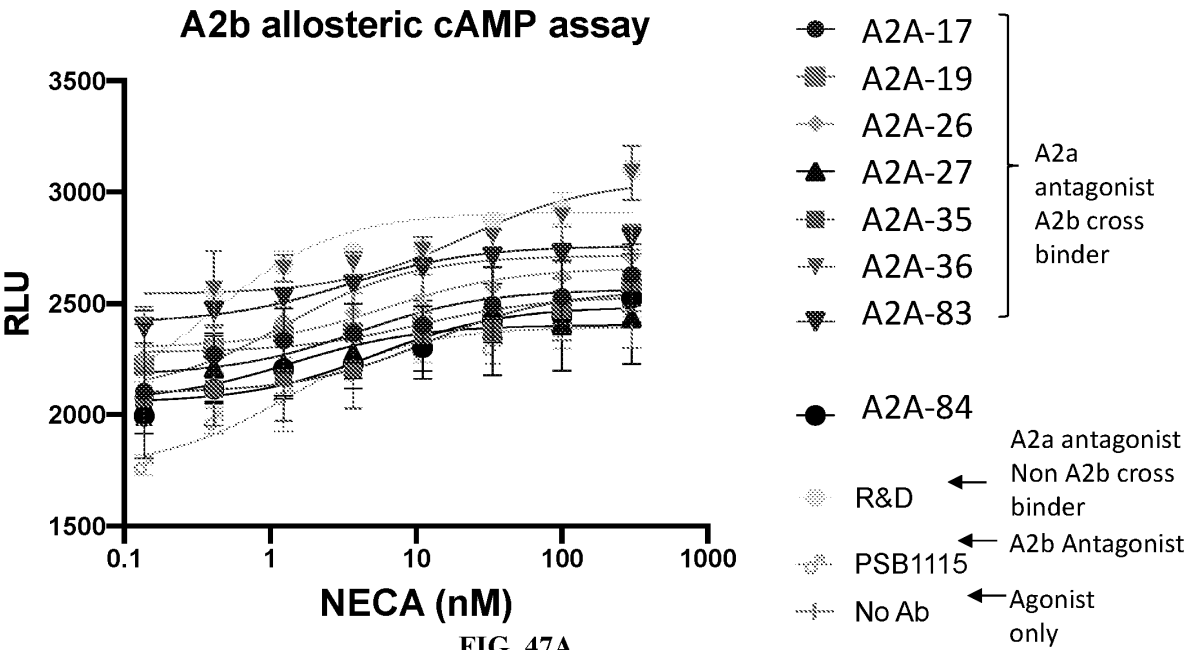


FIG. 46



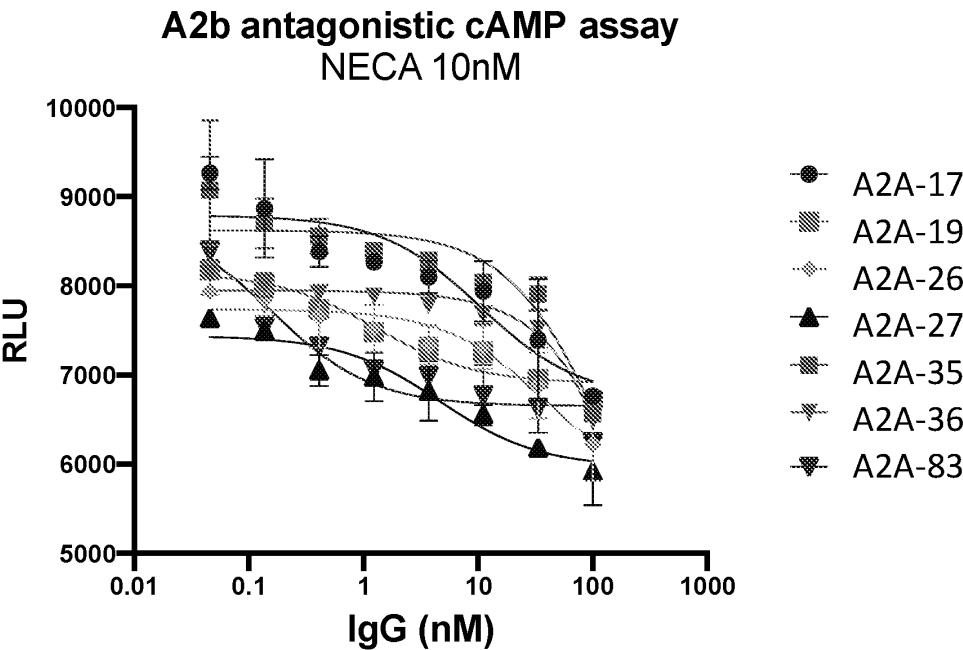


FIG. 47C

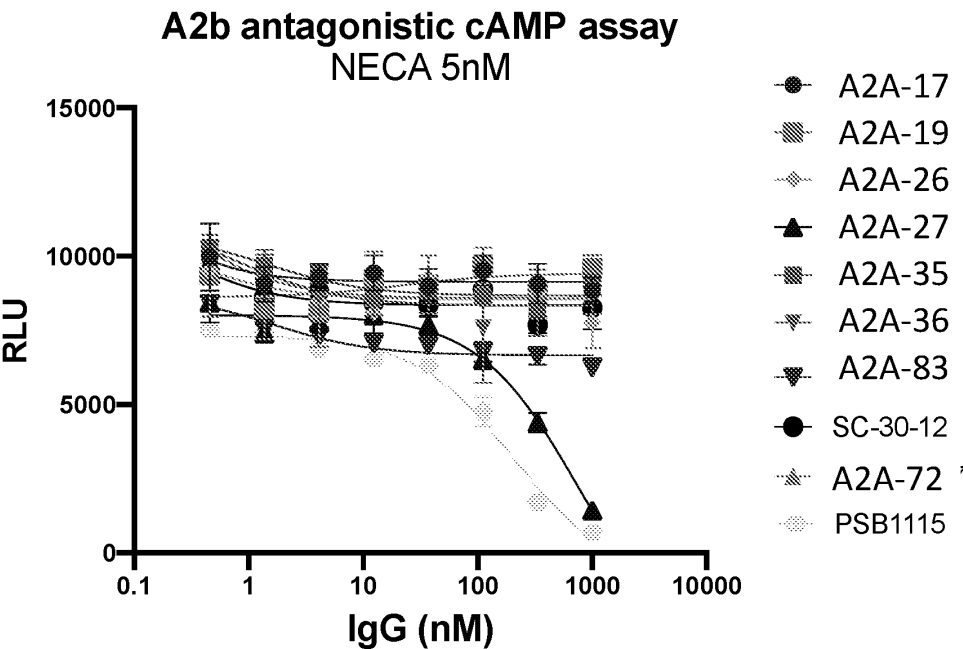


FIG. 47D

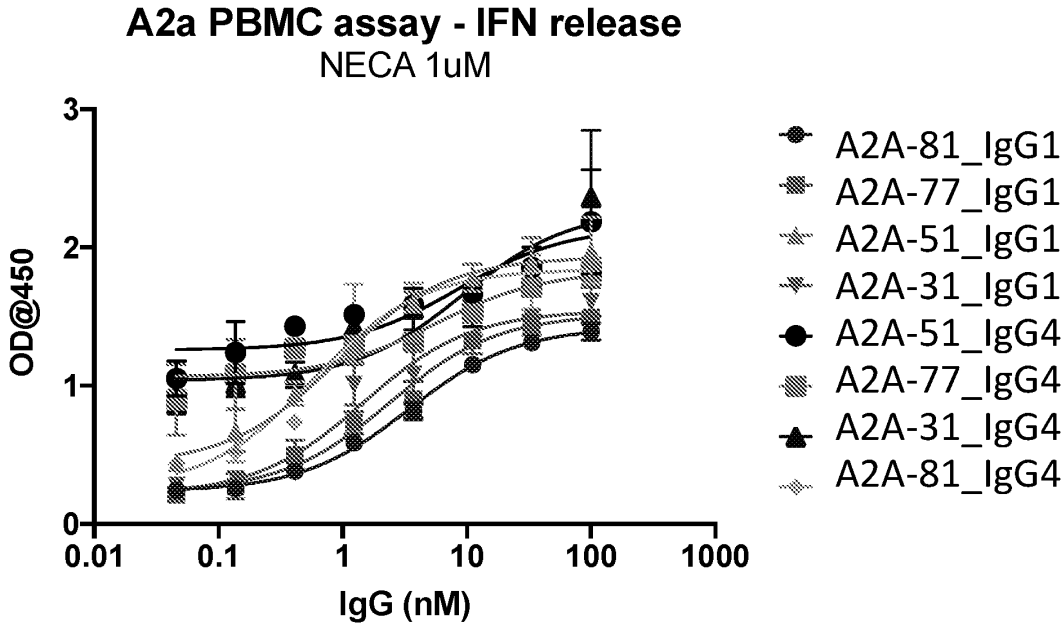


FIG. 48A

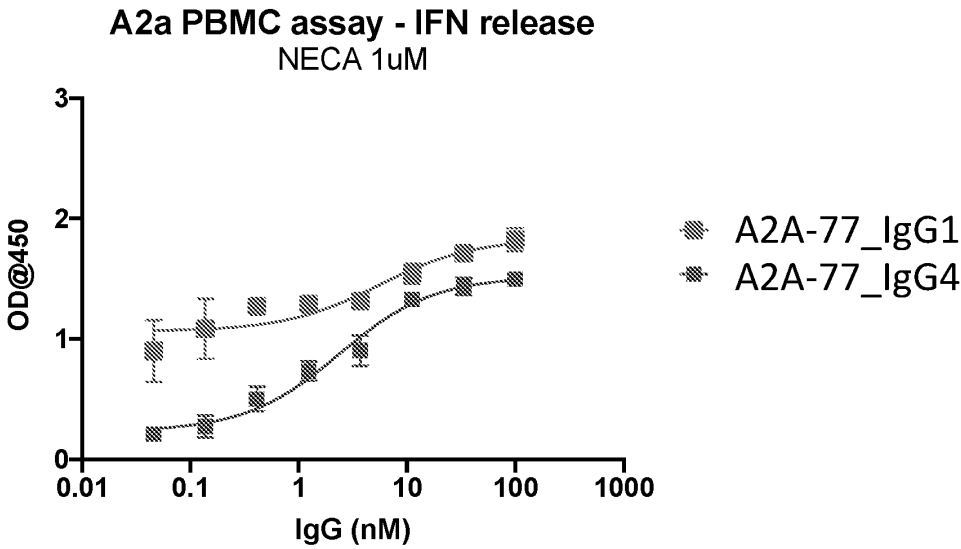


FIG. 48B

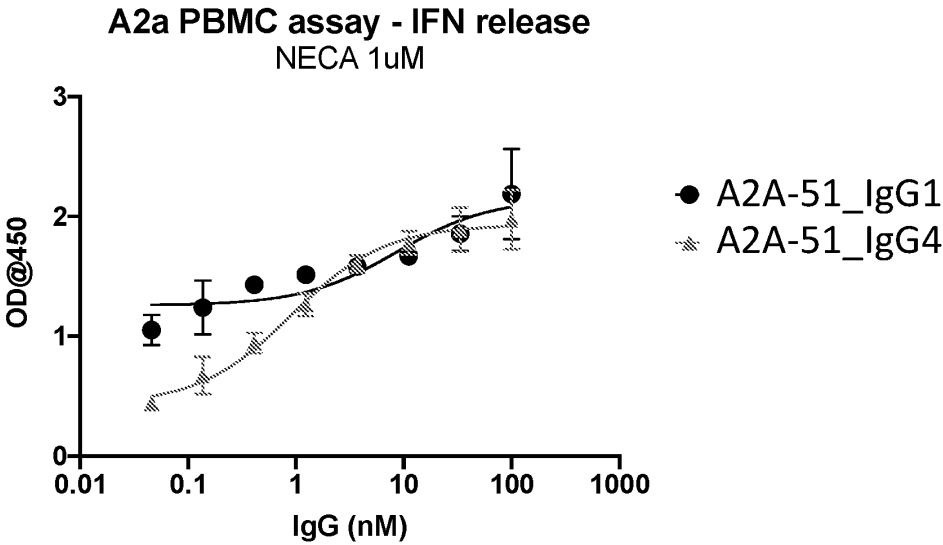


FIG. 48C

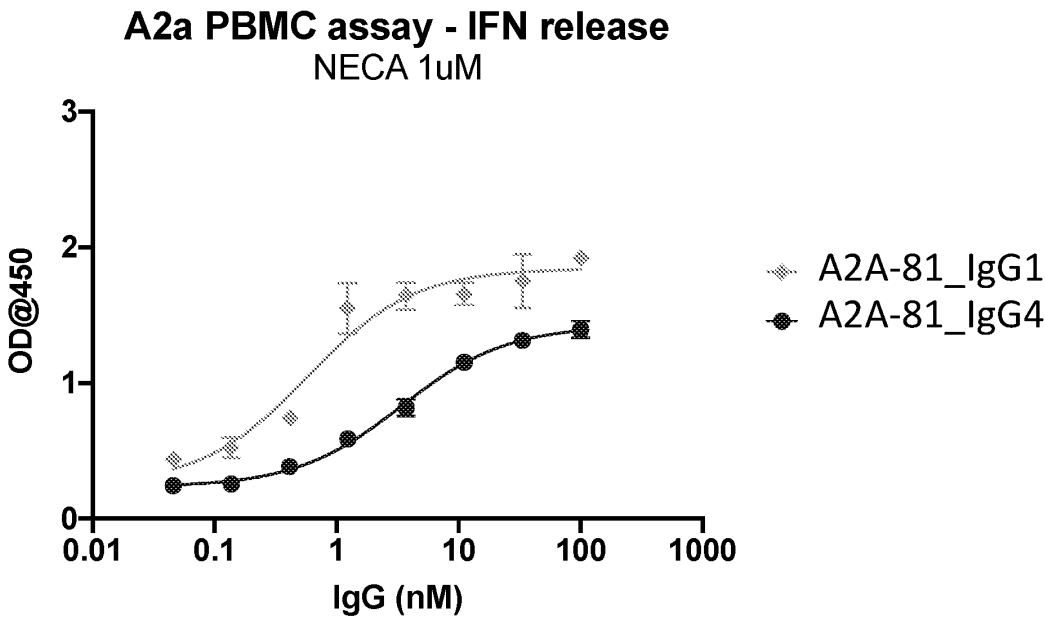


FIG. 48D

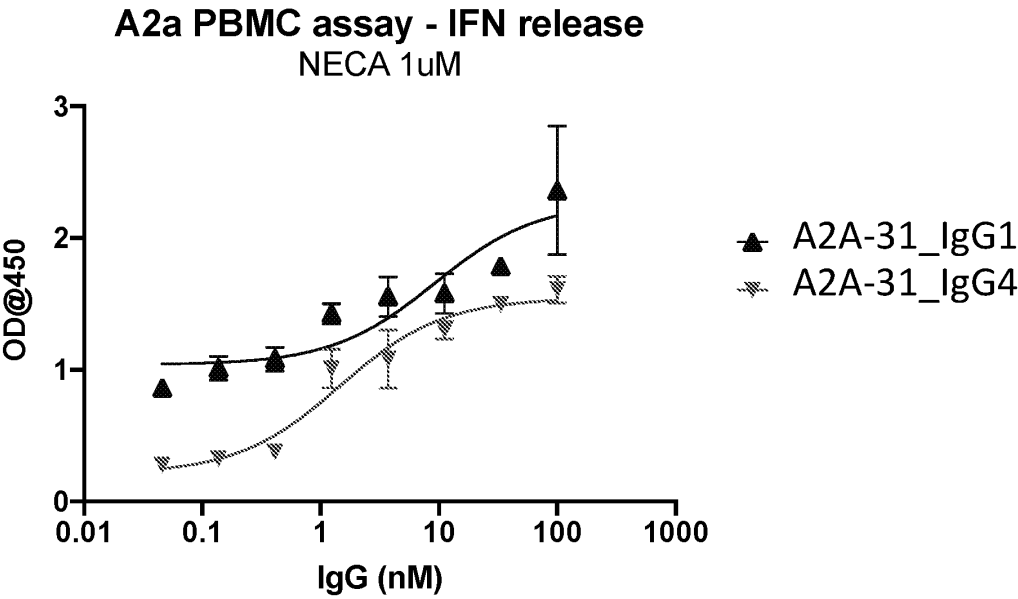


FIG. 48E

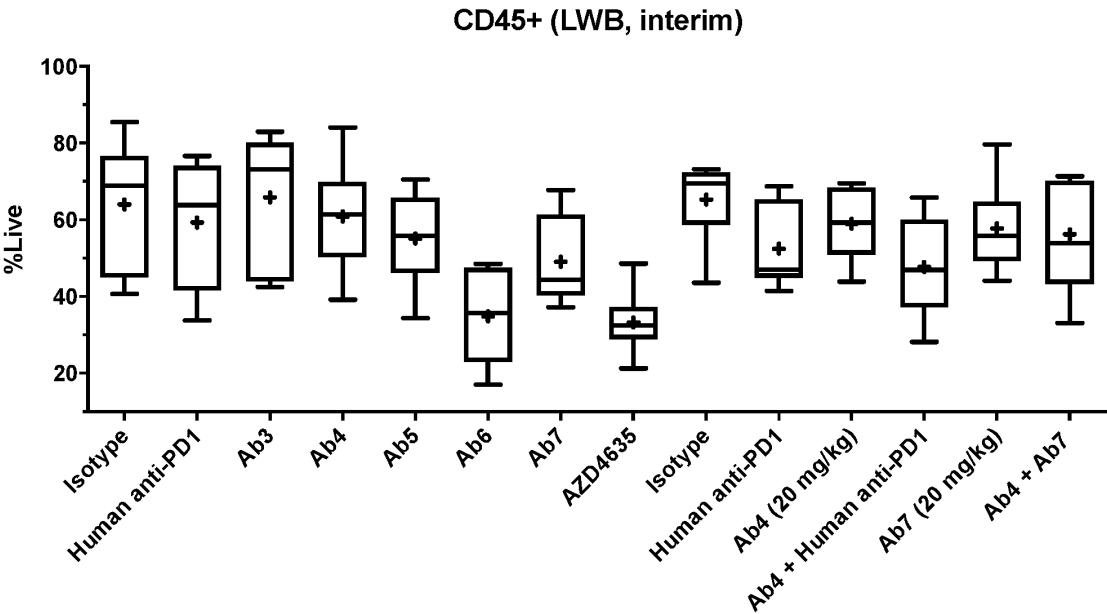


FIG. 49A

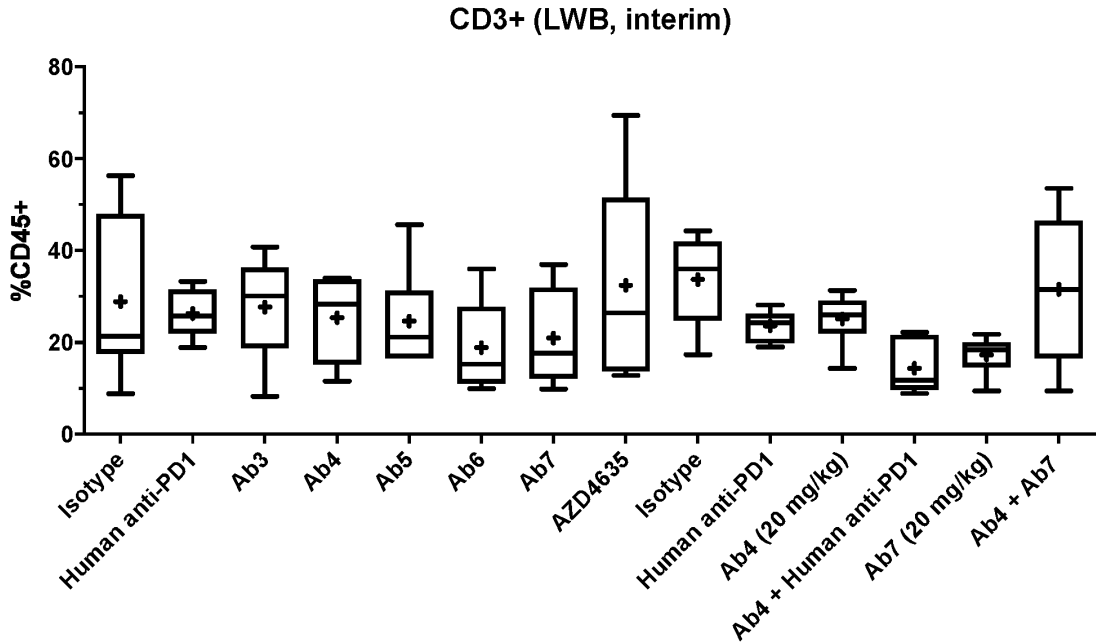


FIG. 49B

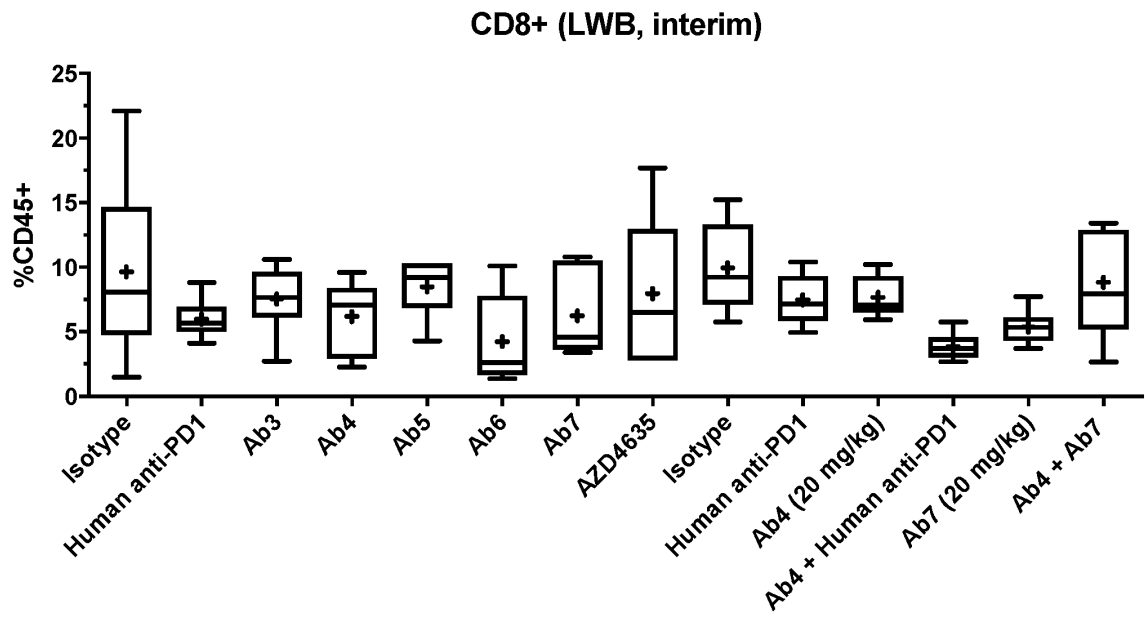


FIG. 49C

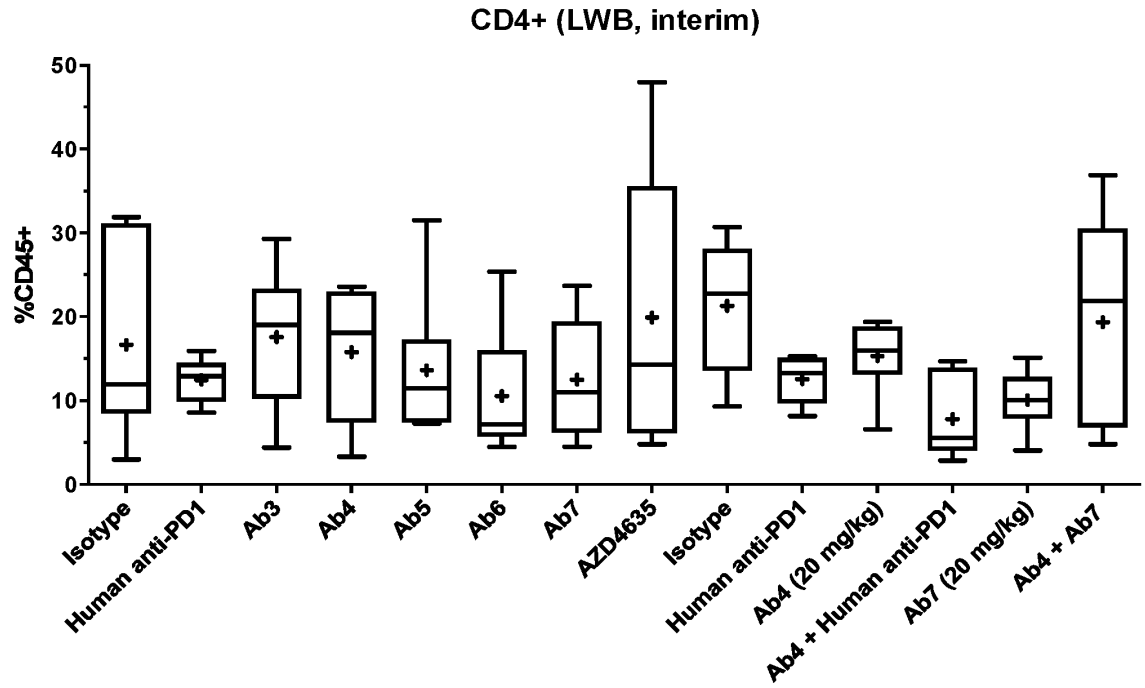


FIG. 49D

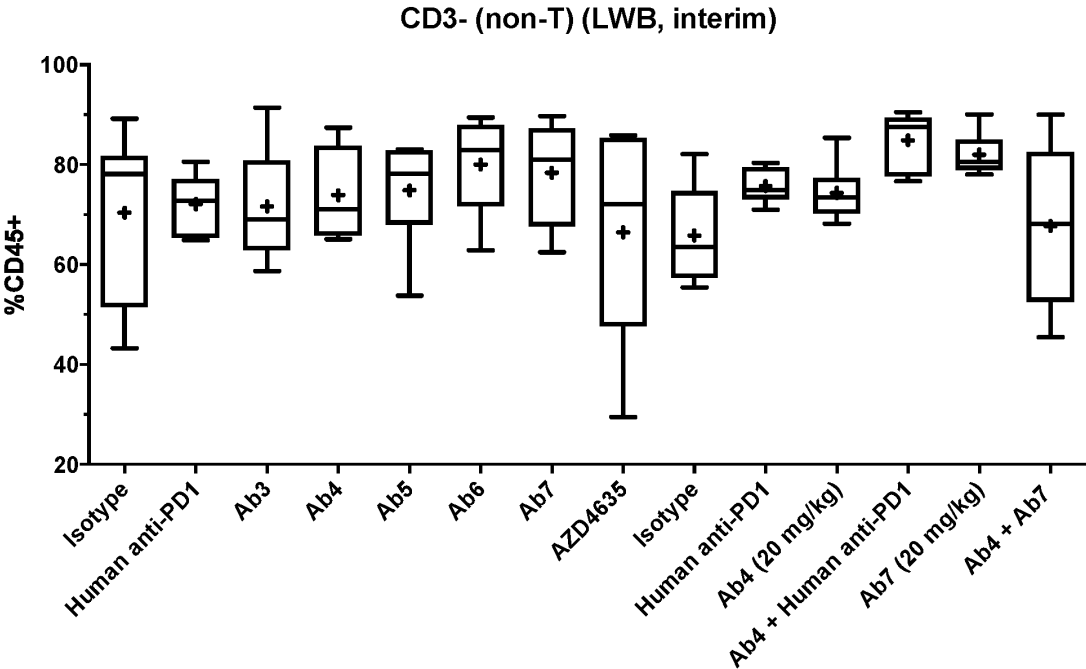


FIG. 49E

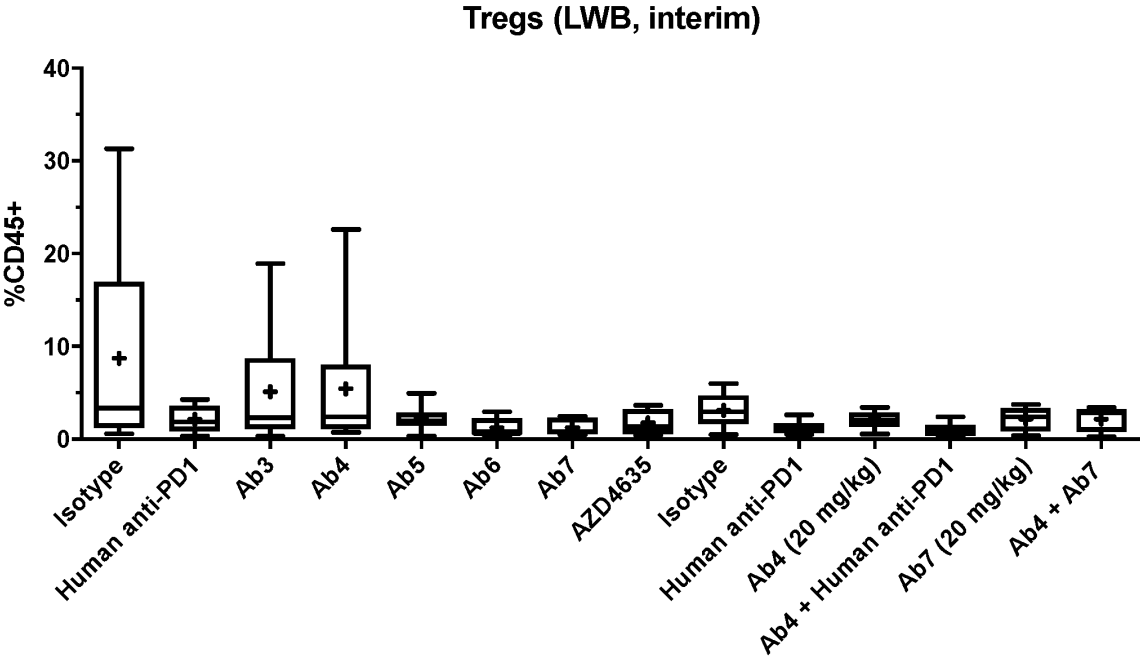


FIG. 49F

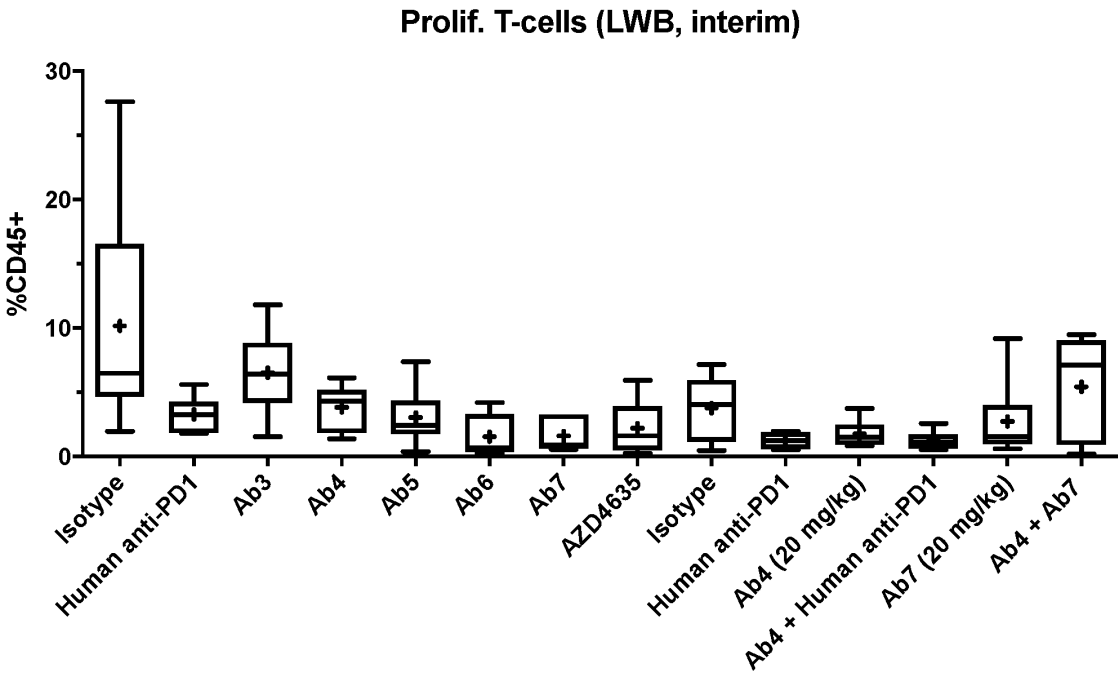


FIG. 49G

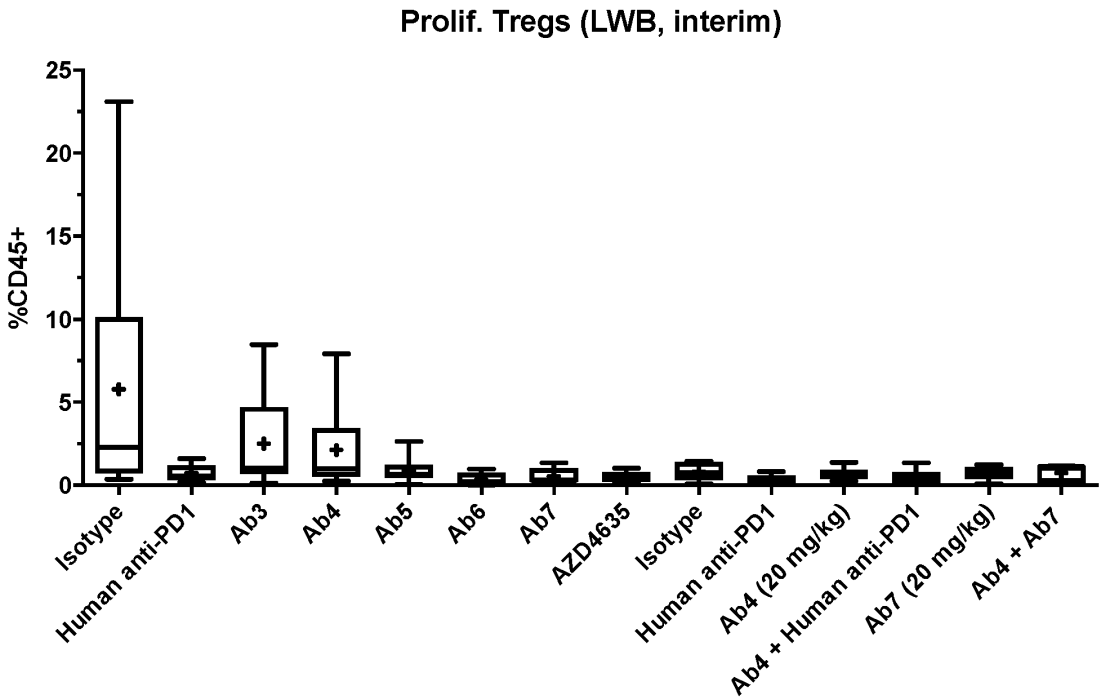


FIG. 49H

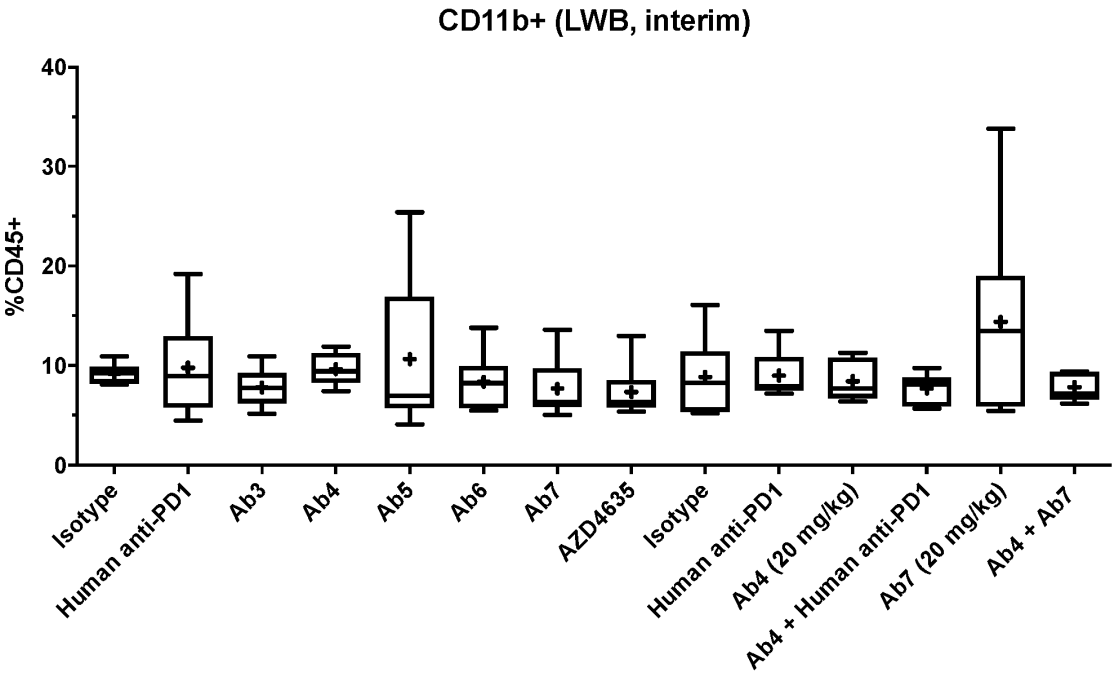


FIG. 49I

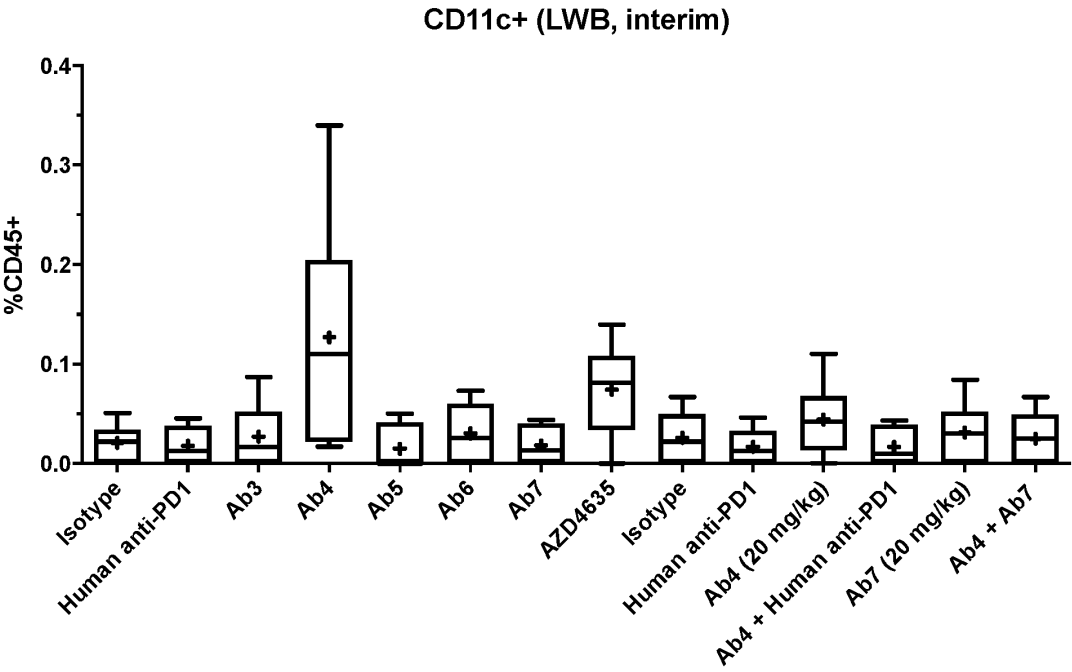


FIG. 49J

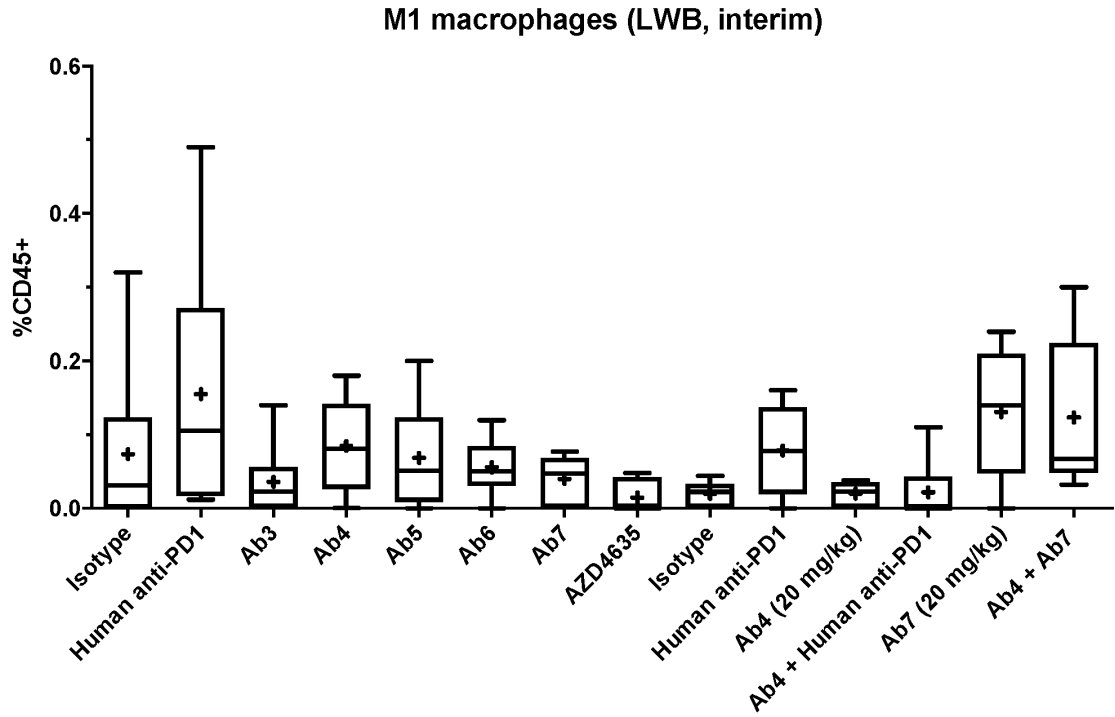


FIG. 49K

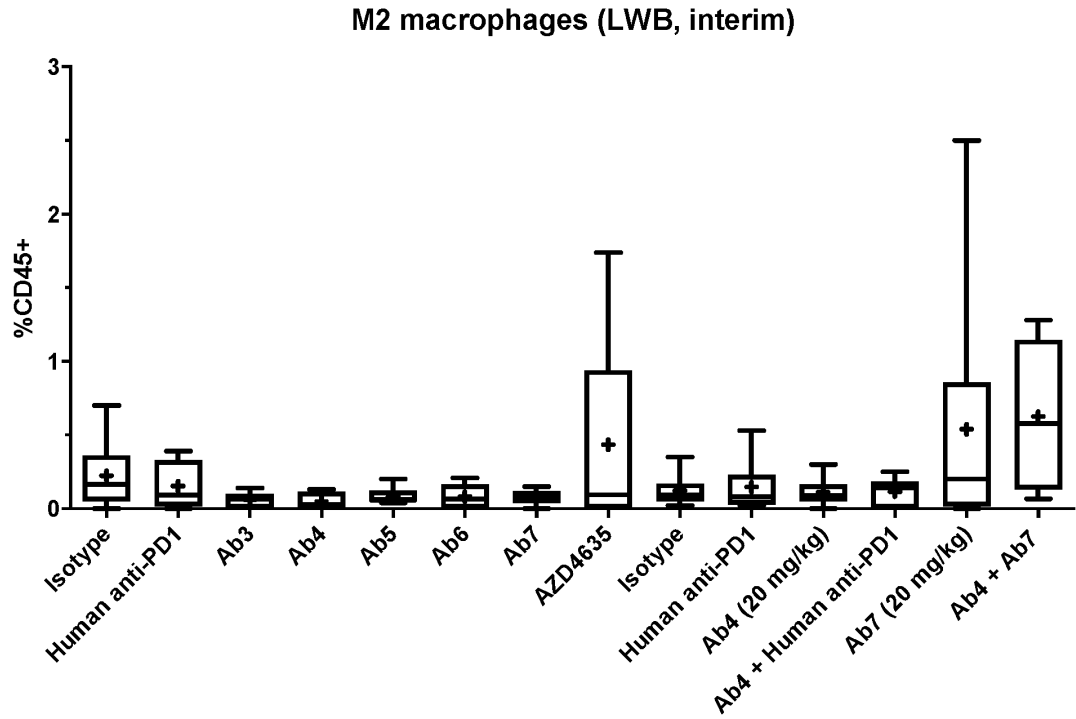


FIG. 49L

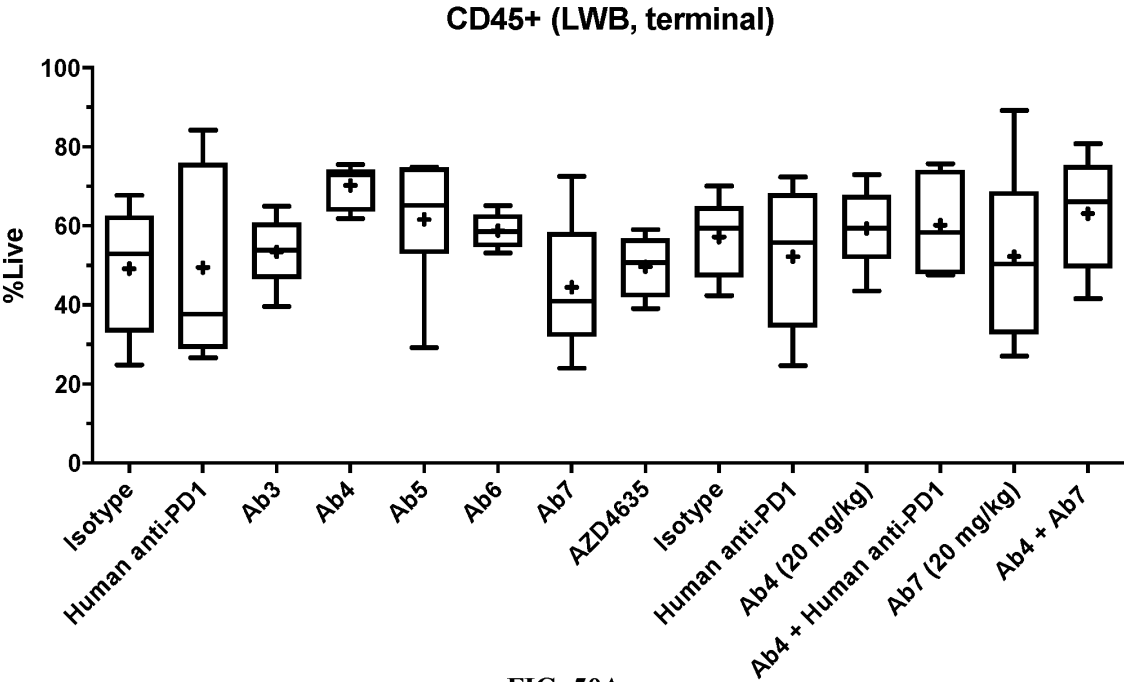


FIG. 50A

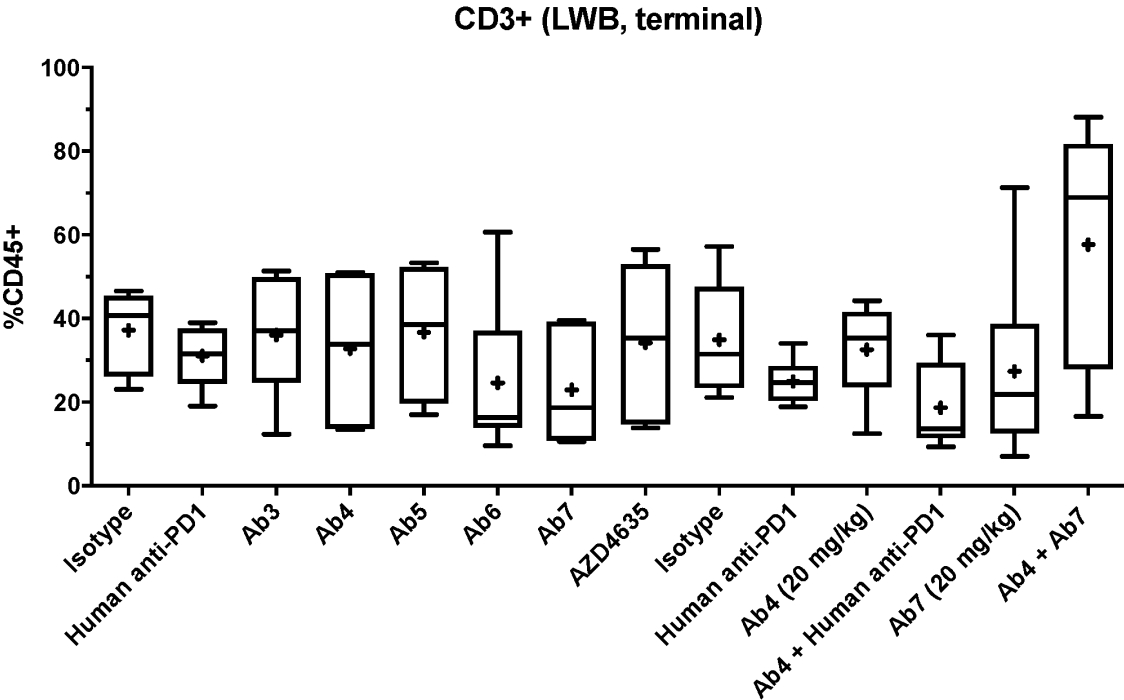
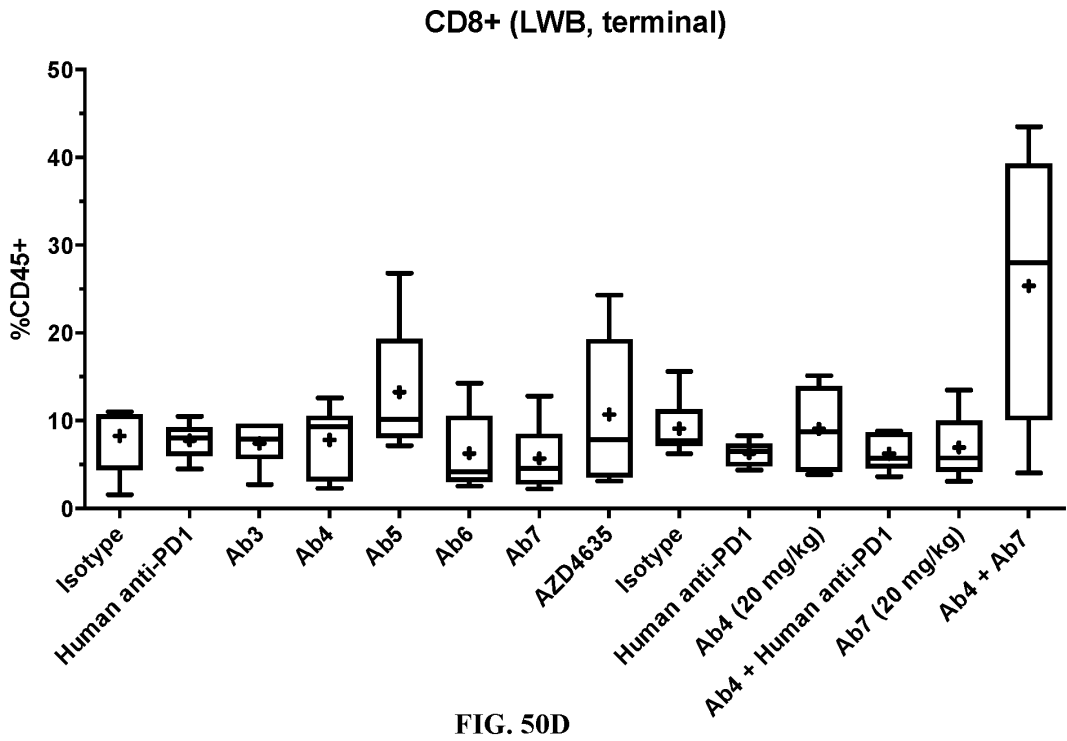
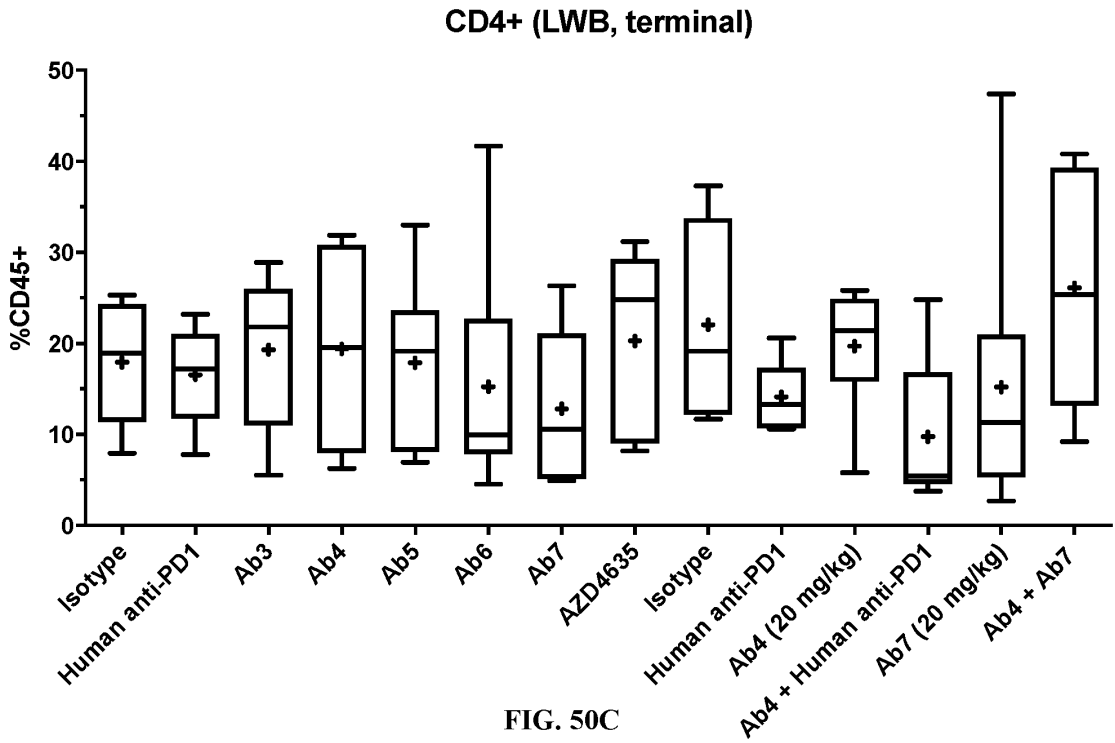


FIG. 50B



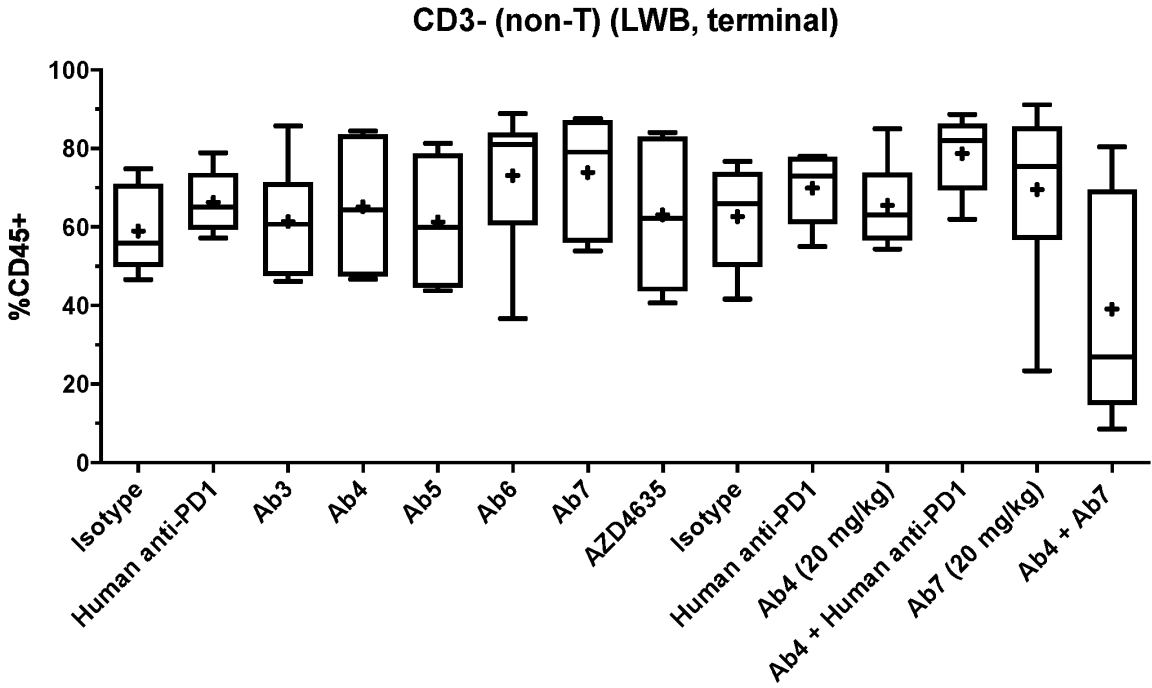


FIG. 50E

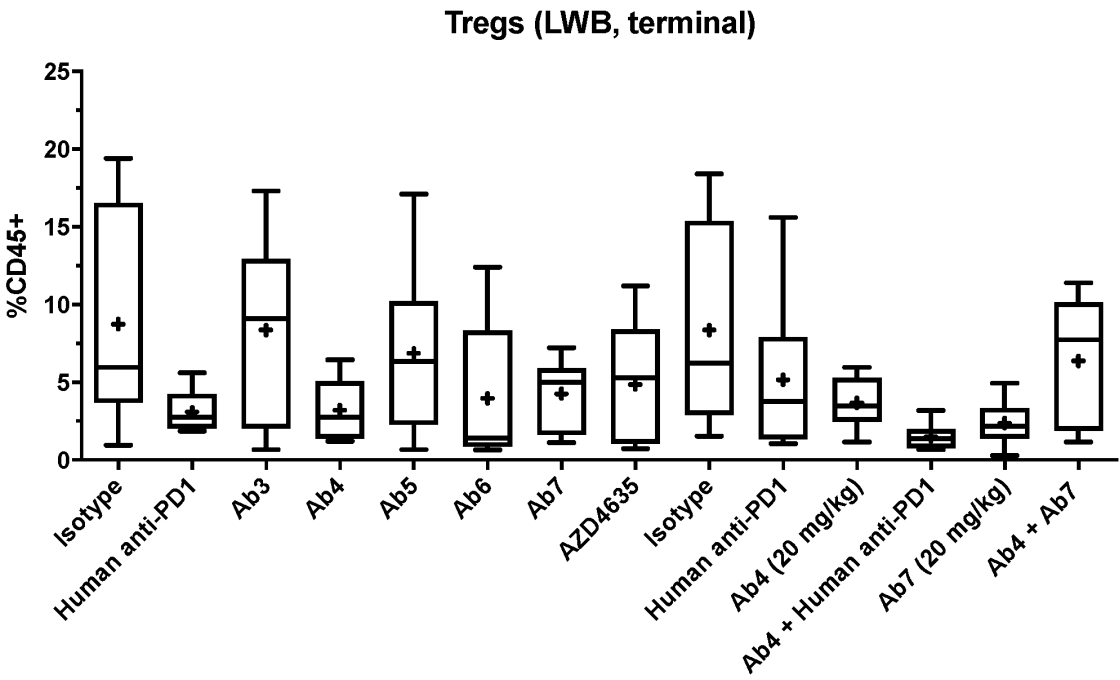
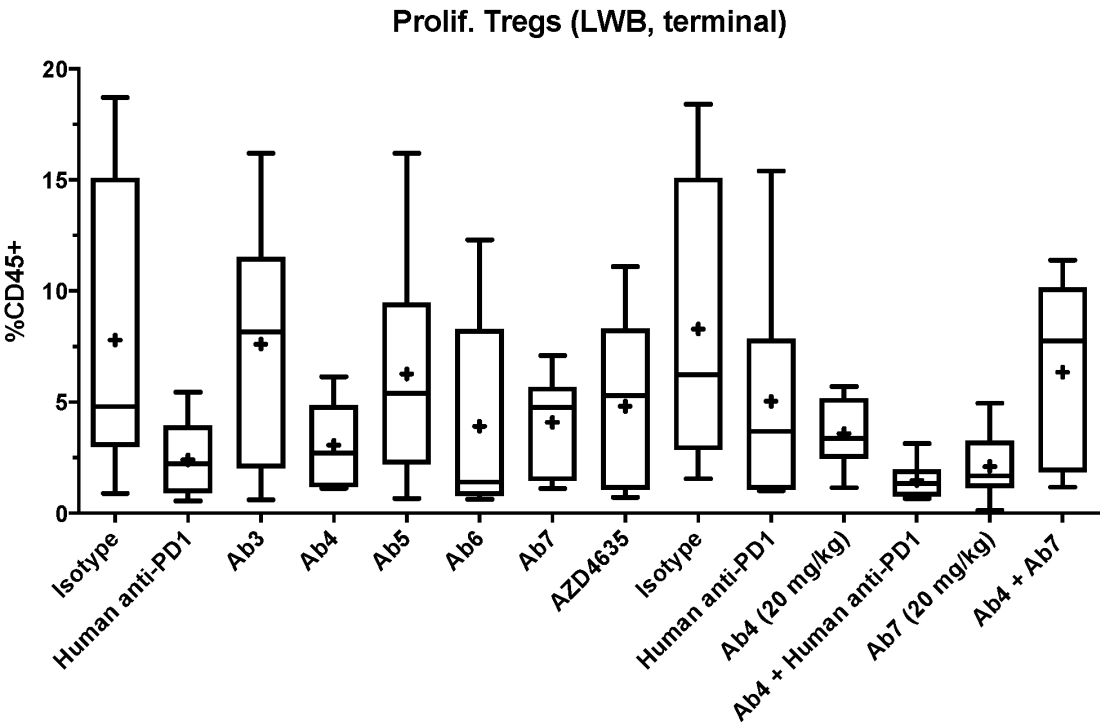
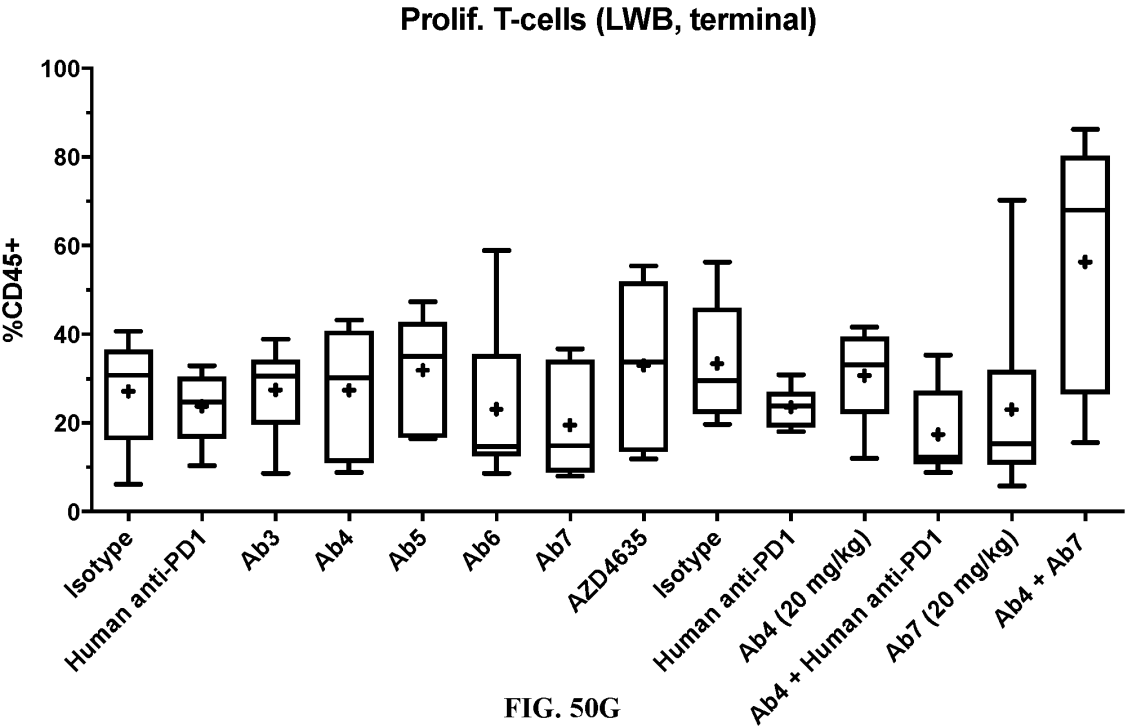
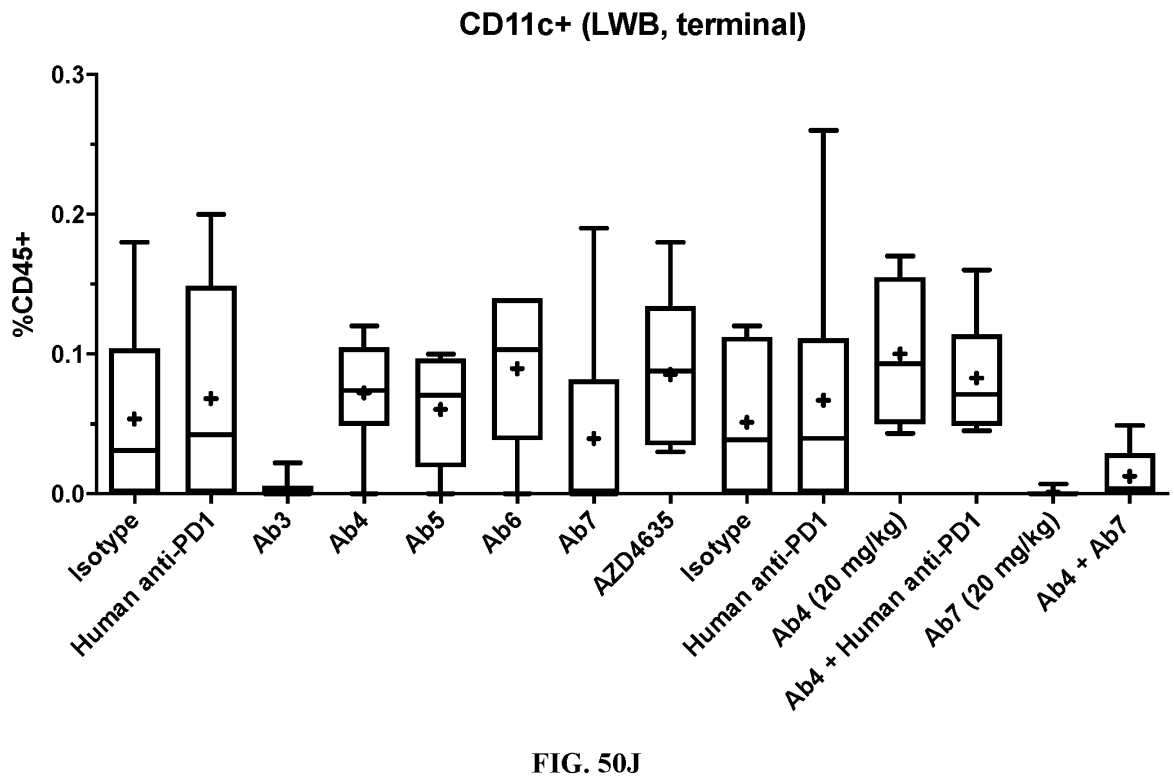
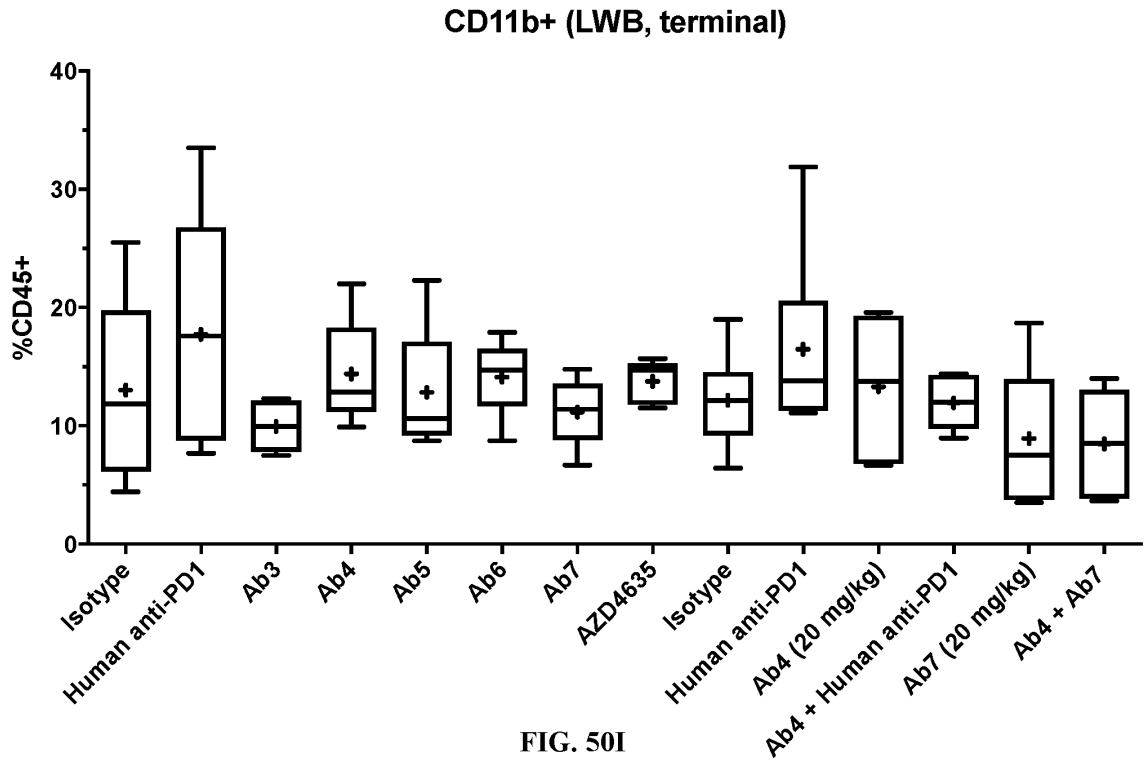


FIG. 50F





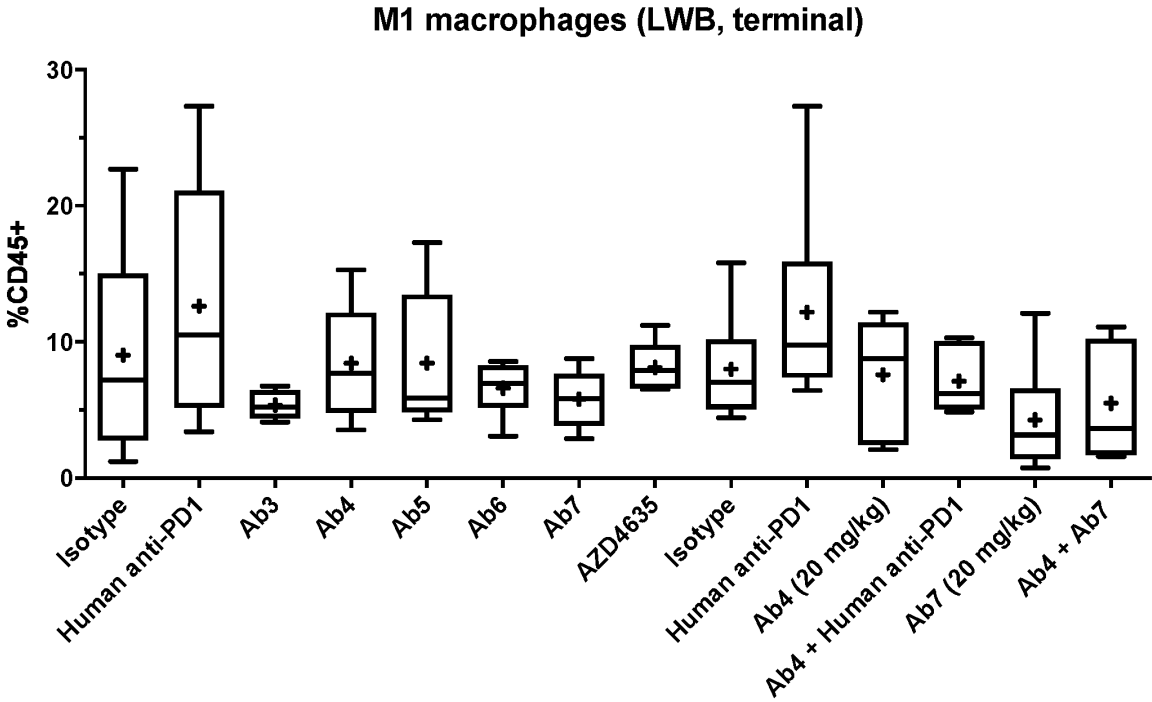


FIG. 50K

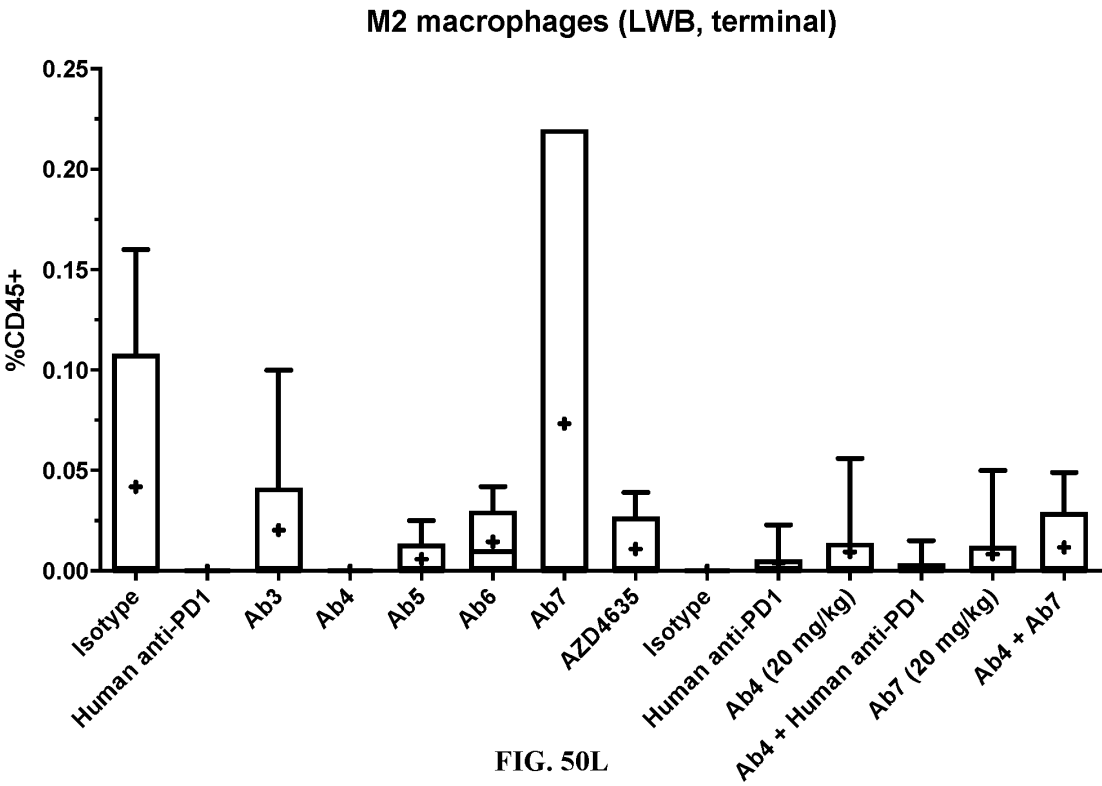
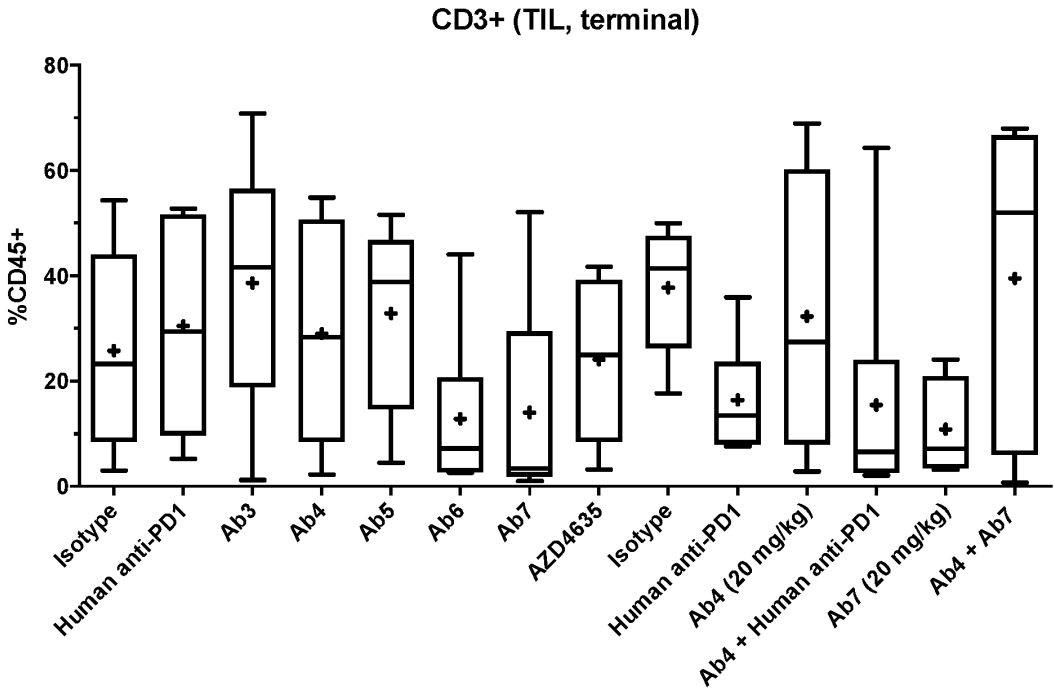
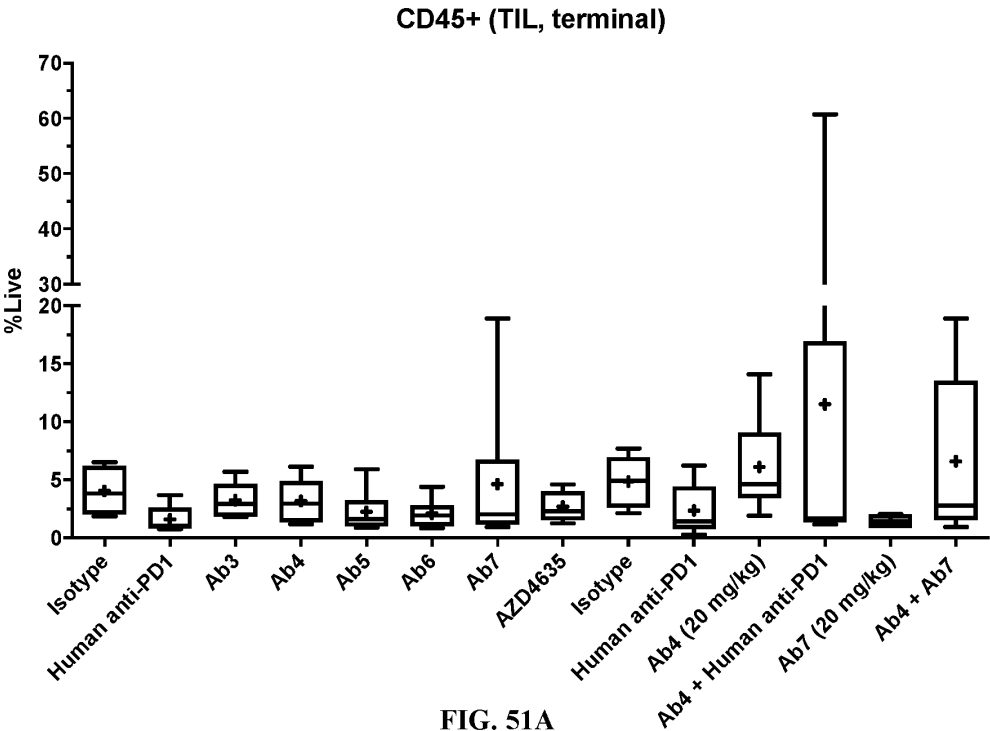


FIG. 50L



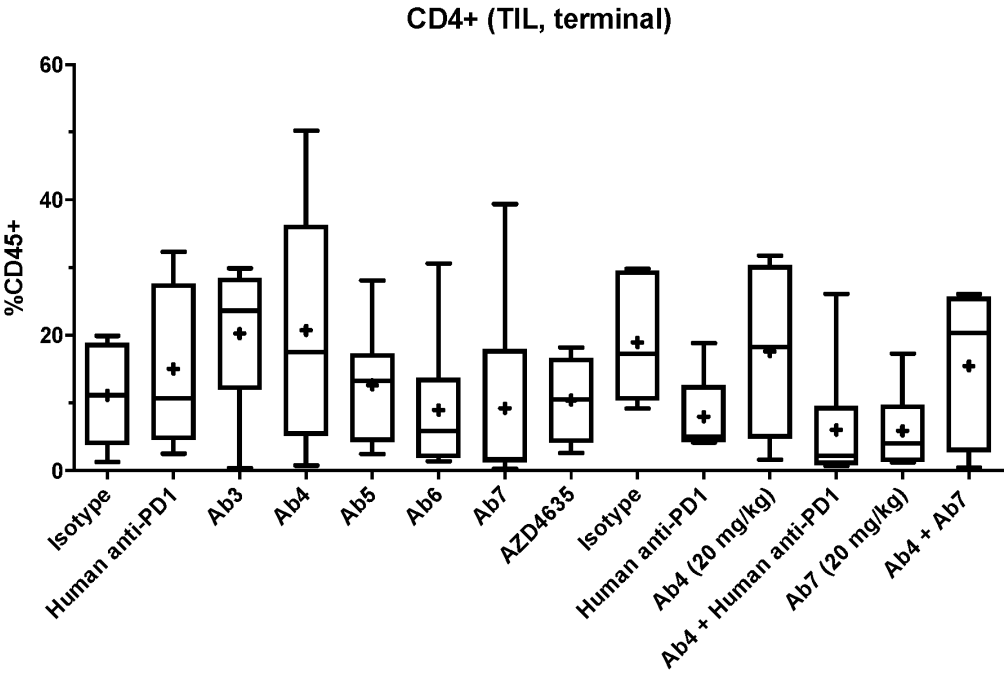


FIG. 51C

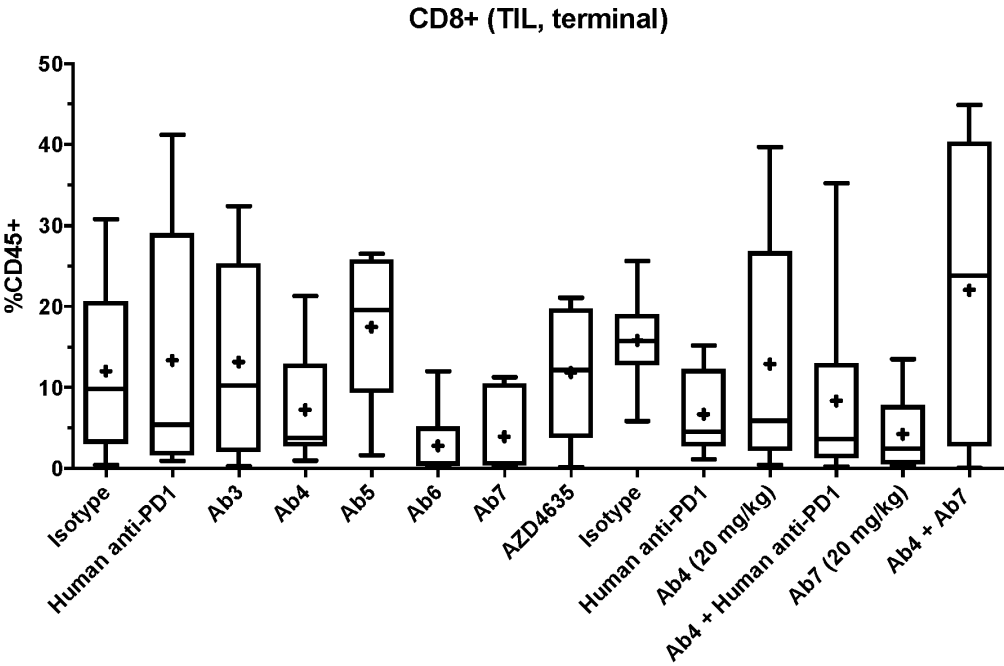


FIG. 51D

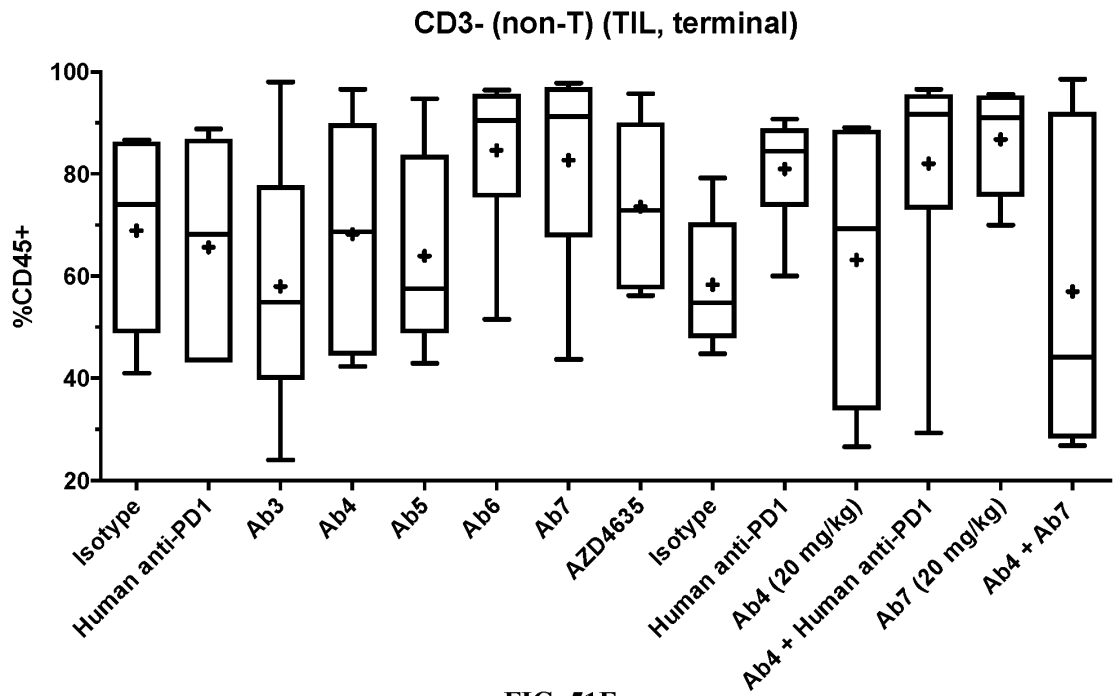


FIG. 51E

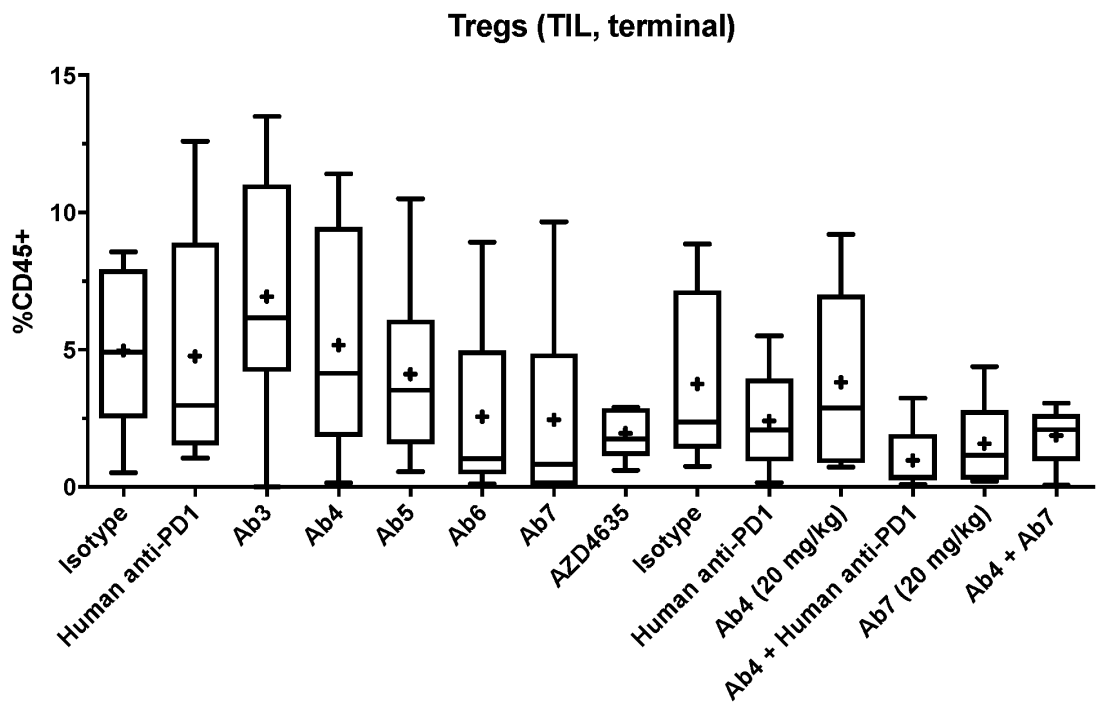
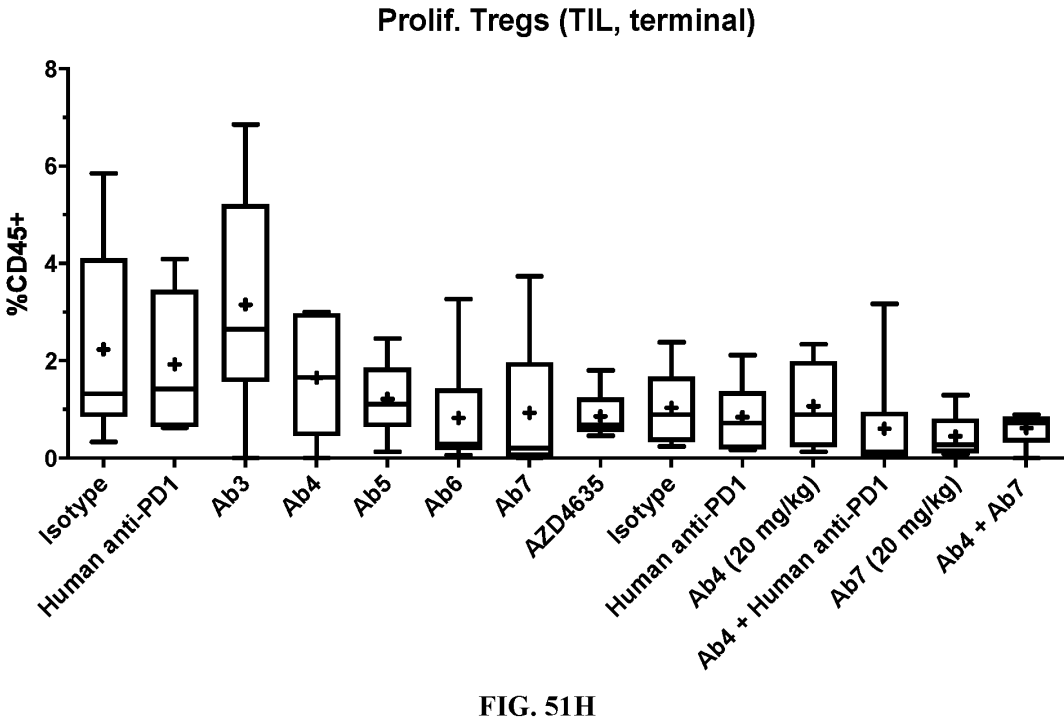
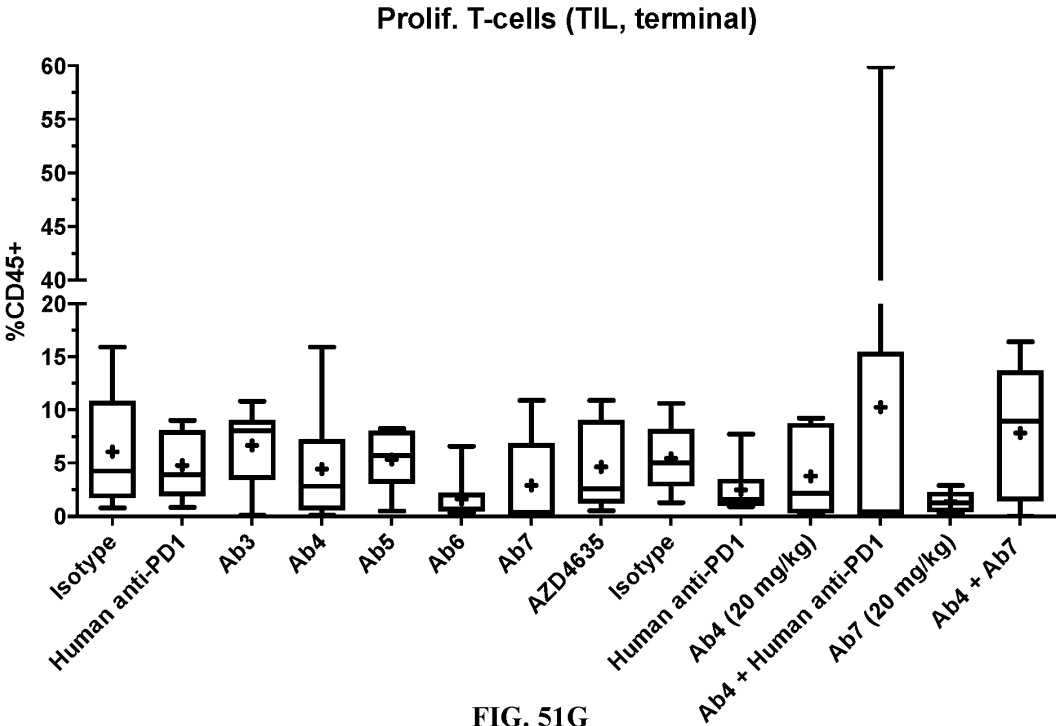


FIG. 51F



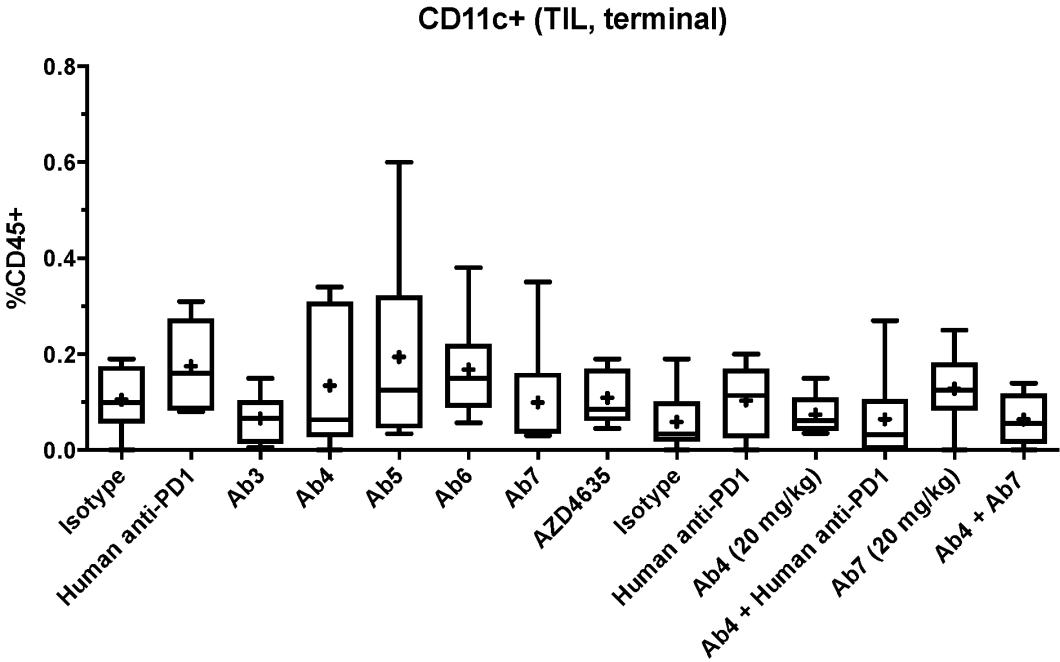


FIG. 51I

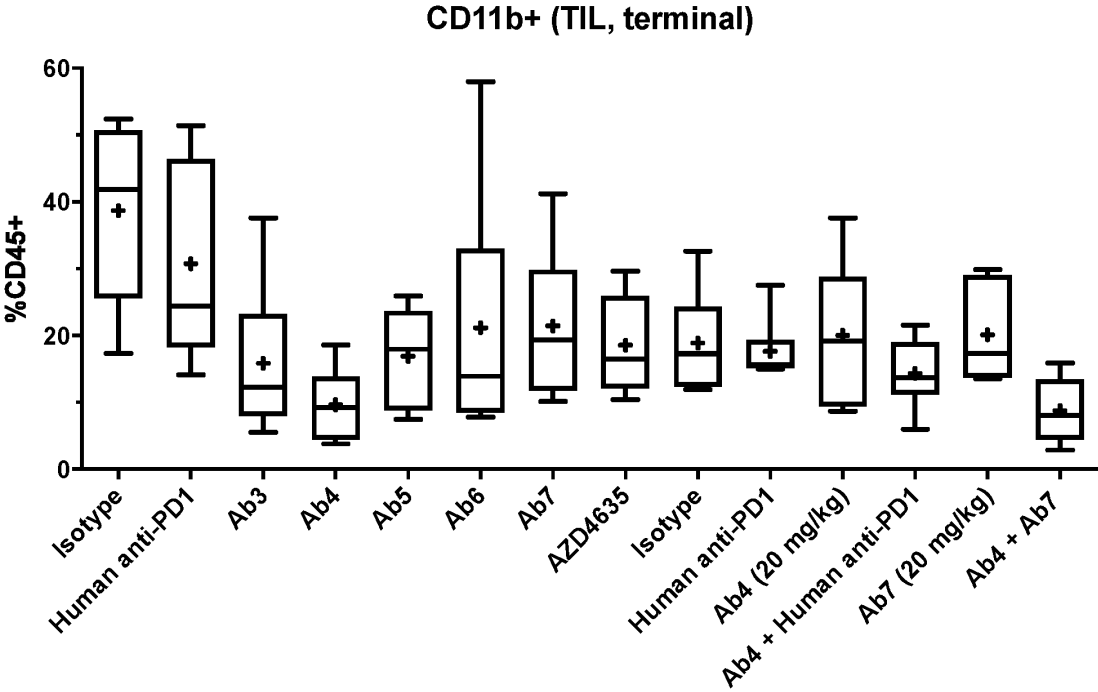
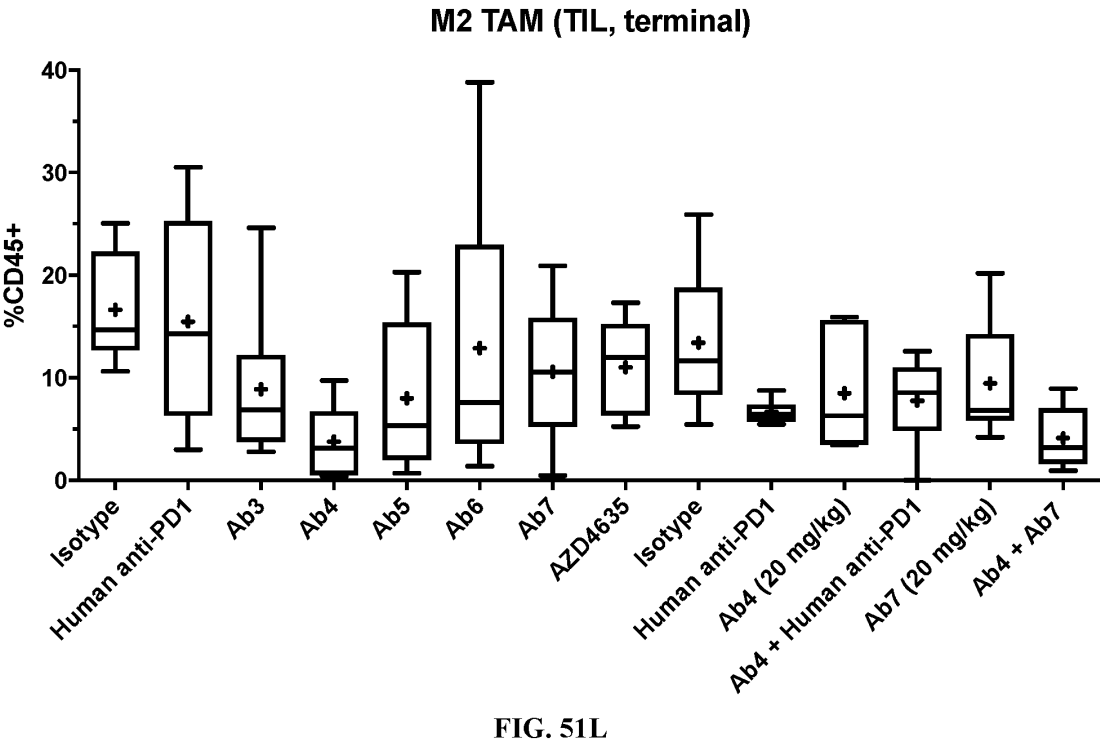
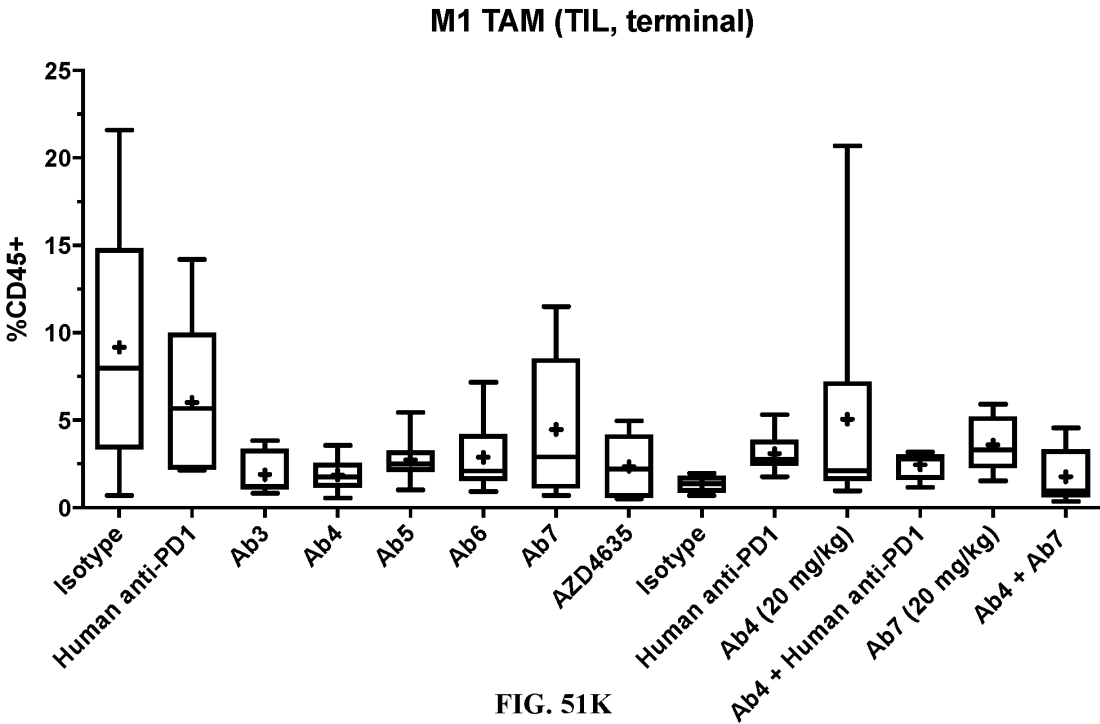
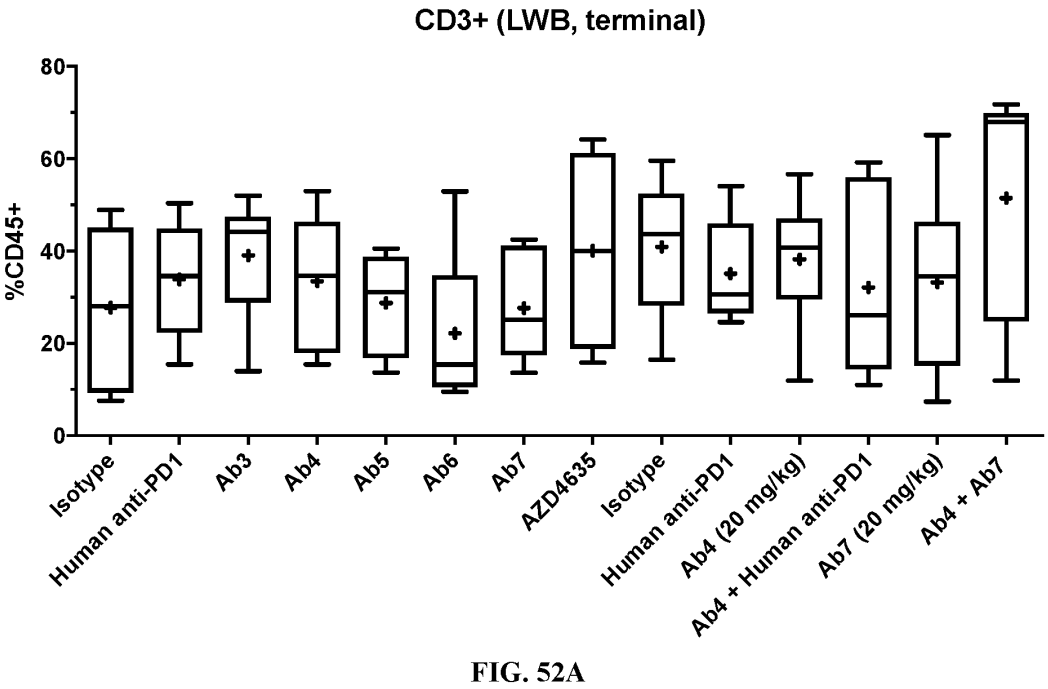
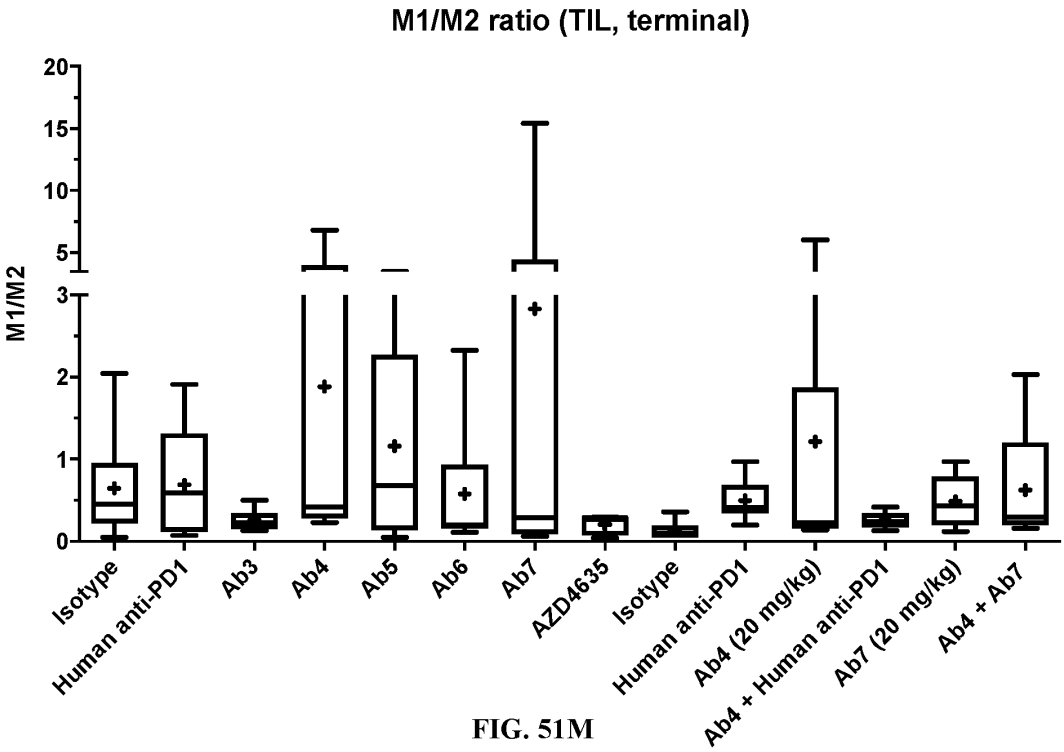


FIG. 51J





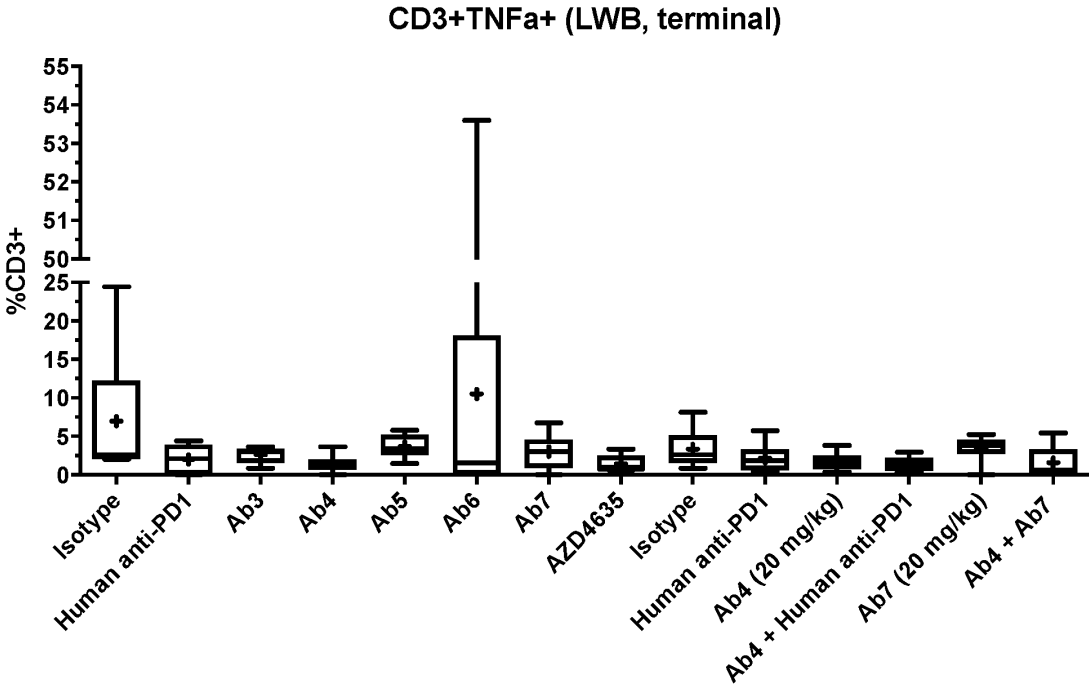


FIG. 52B

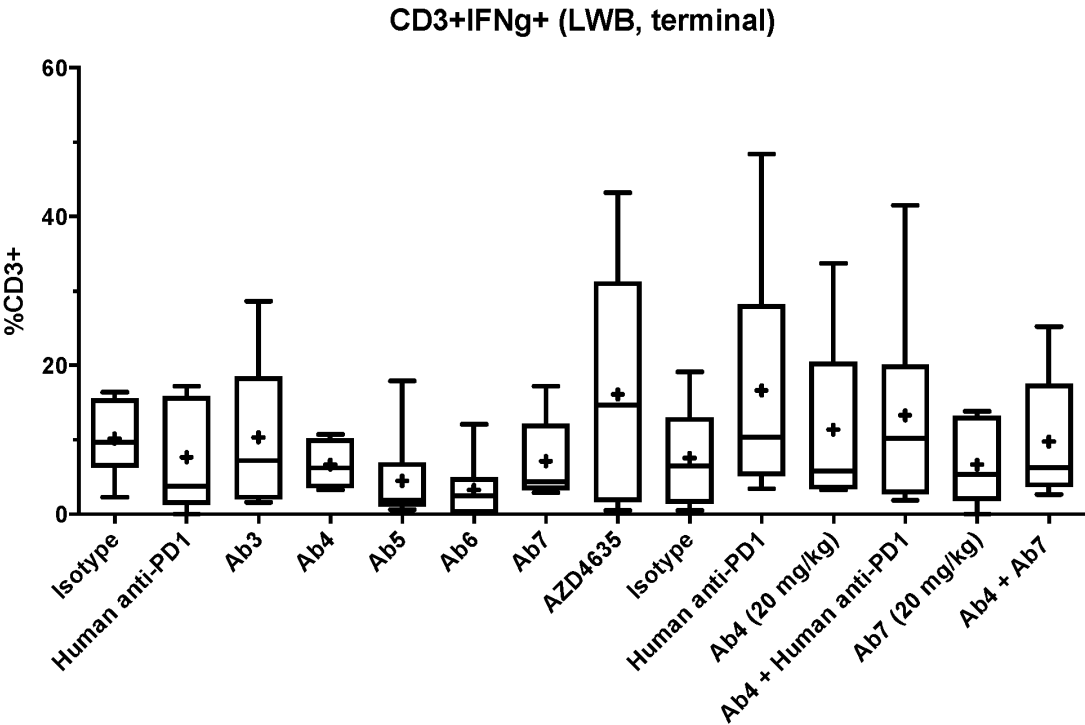
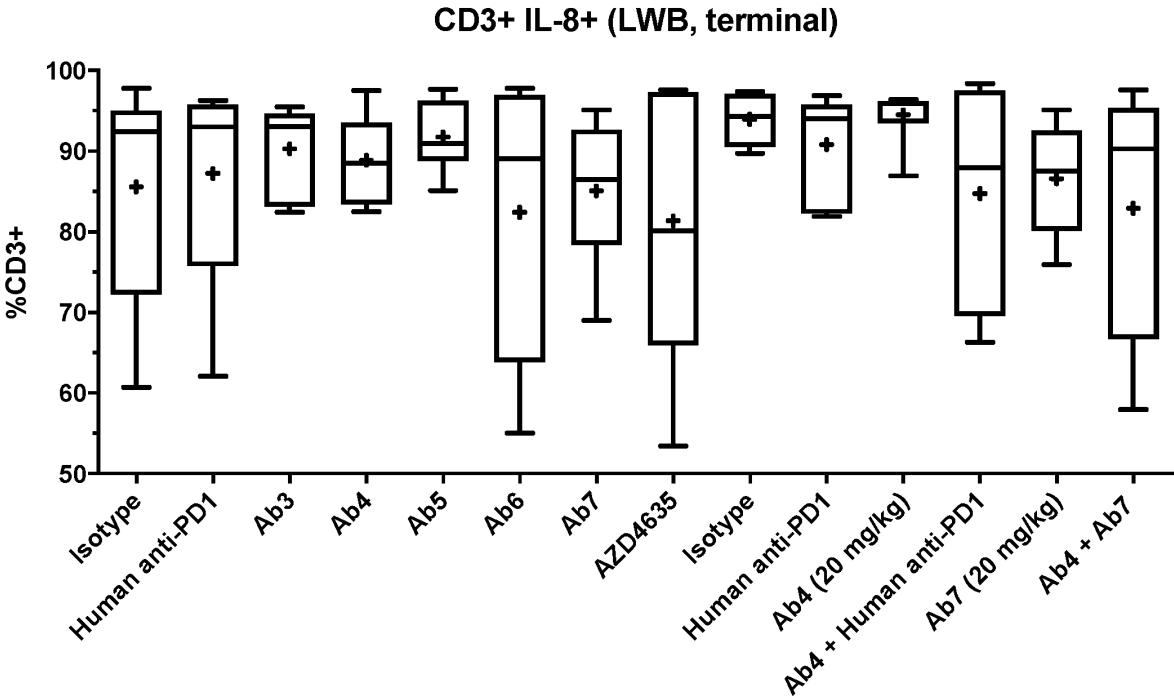
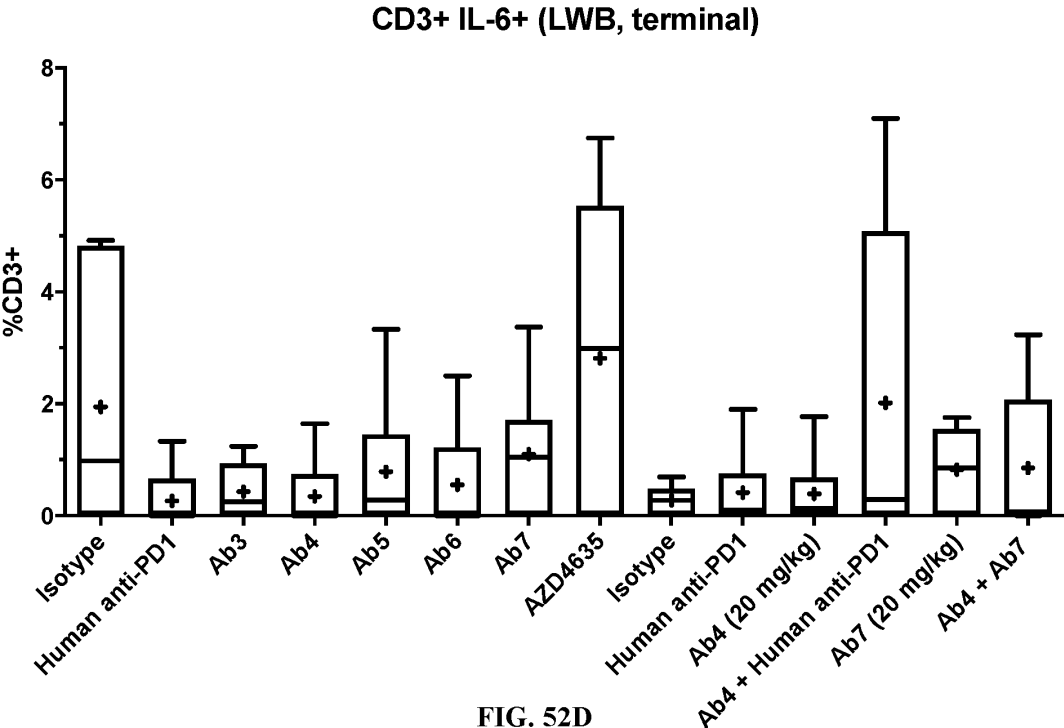
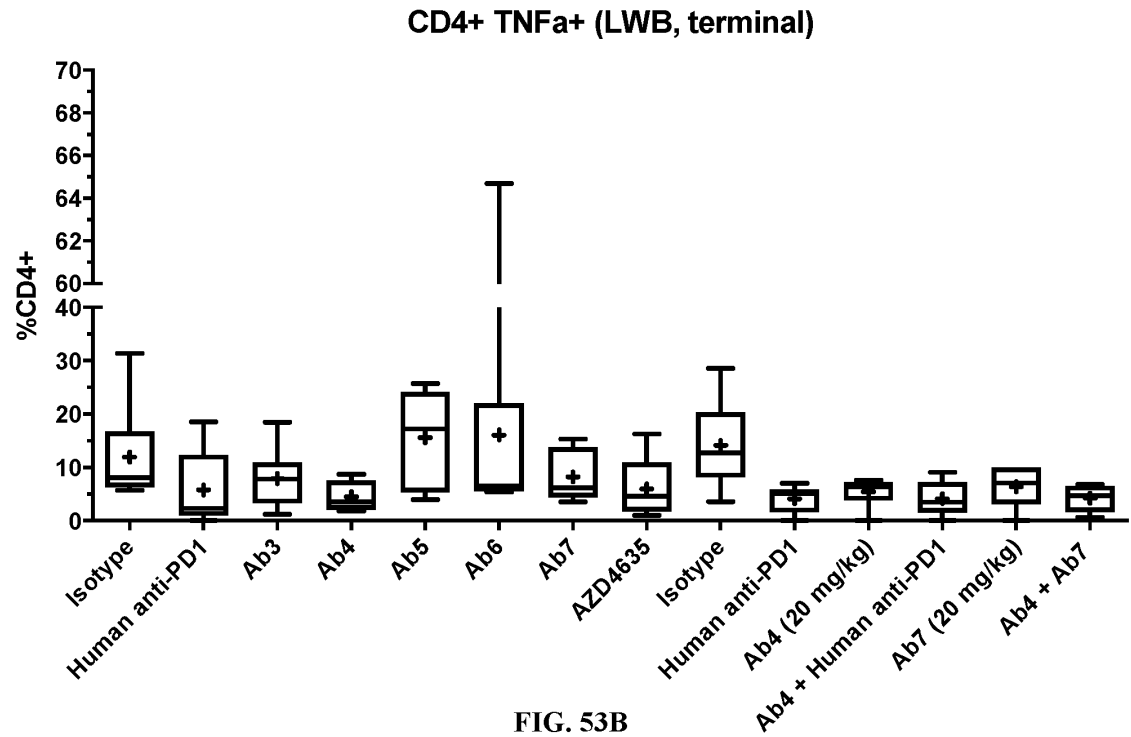
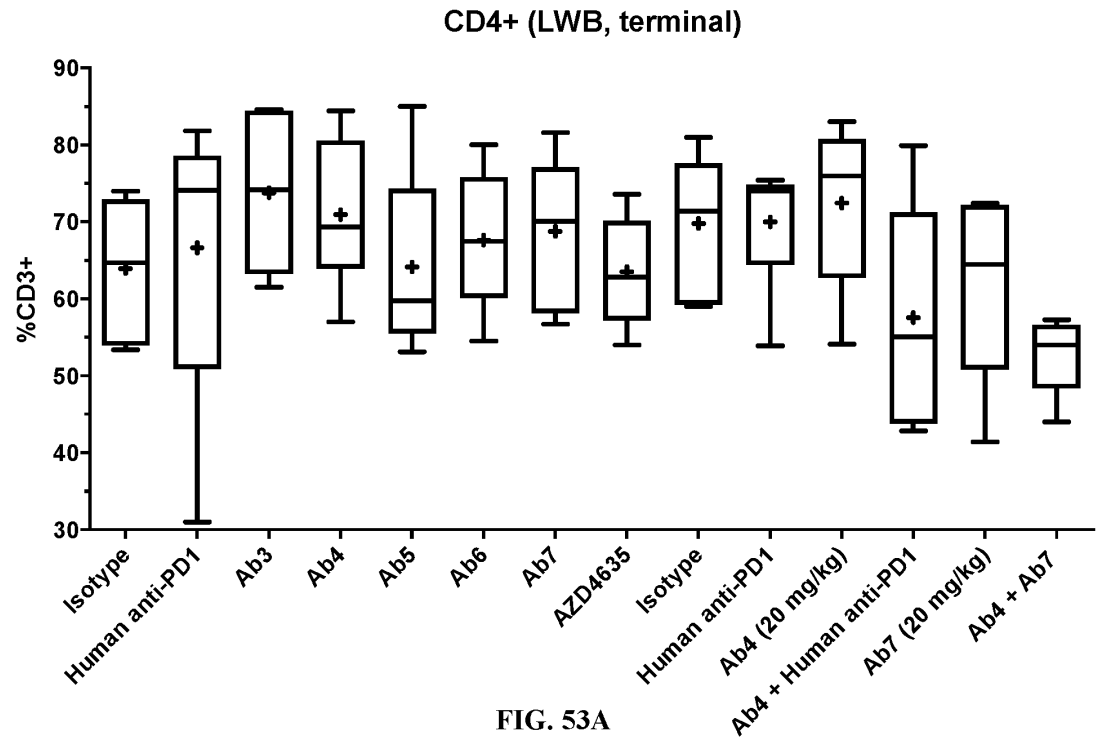
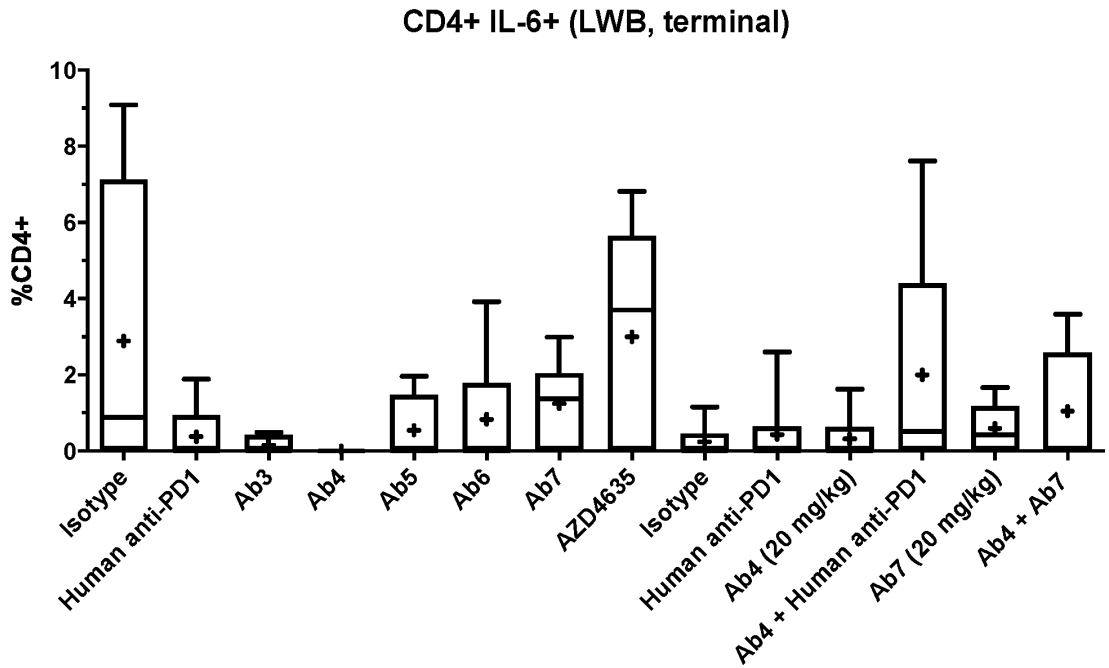
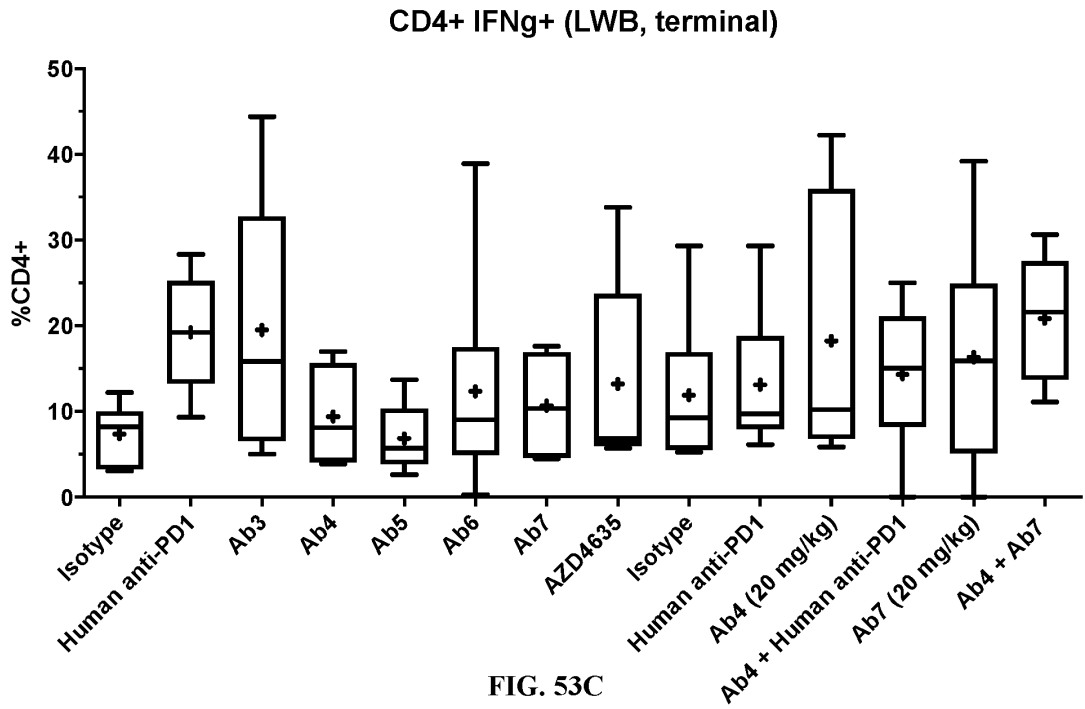
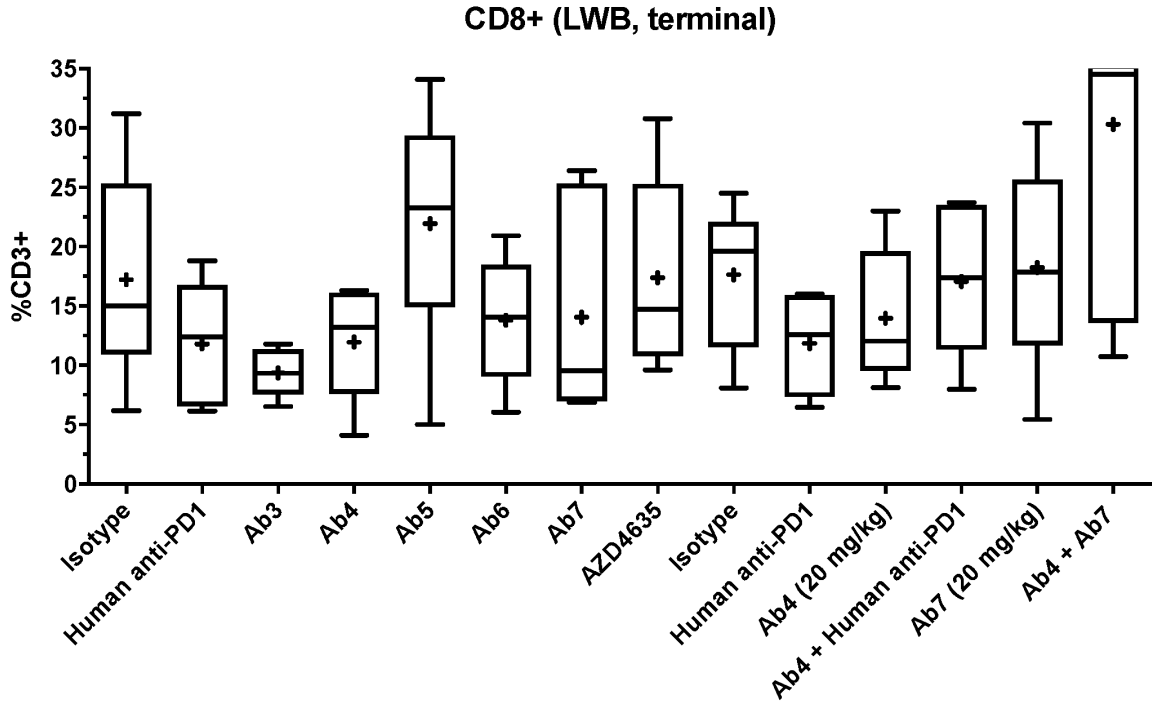
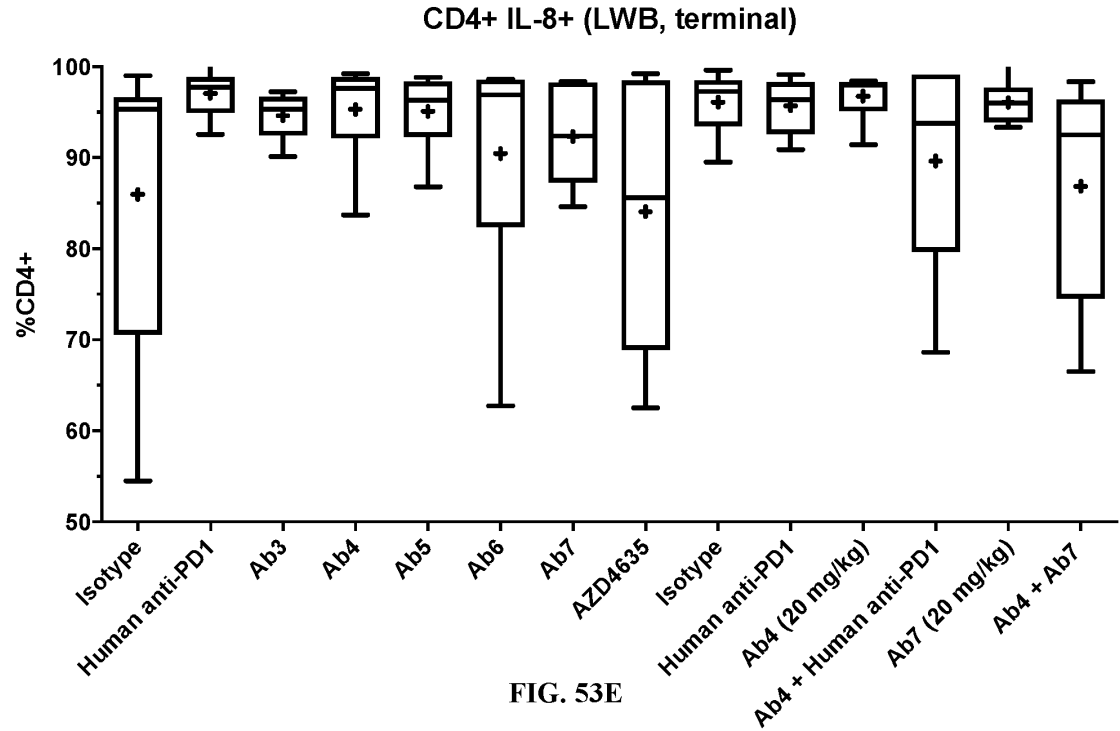


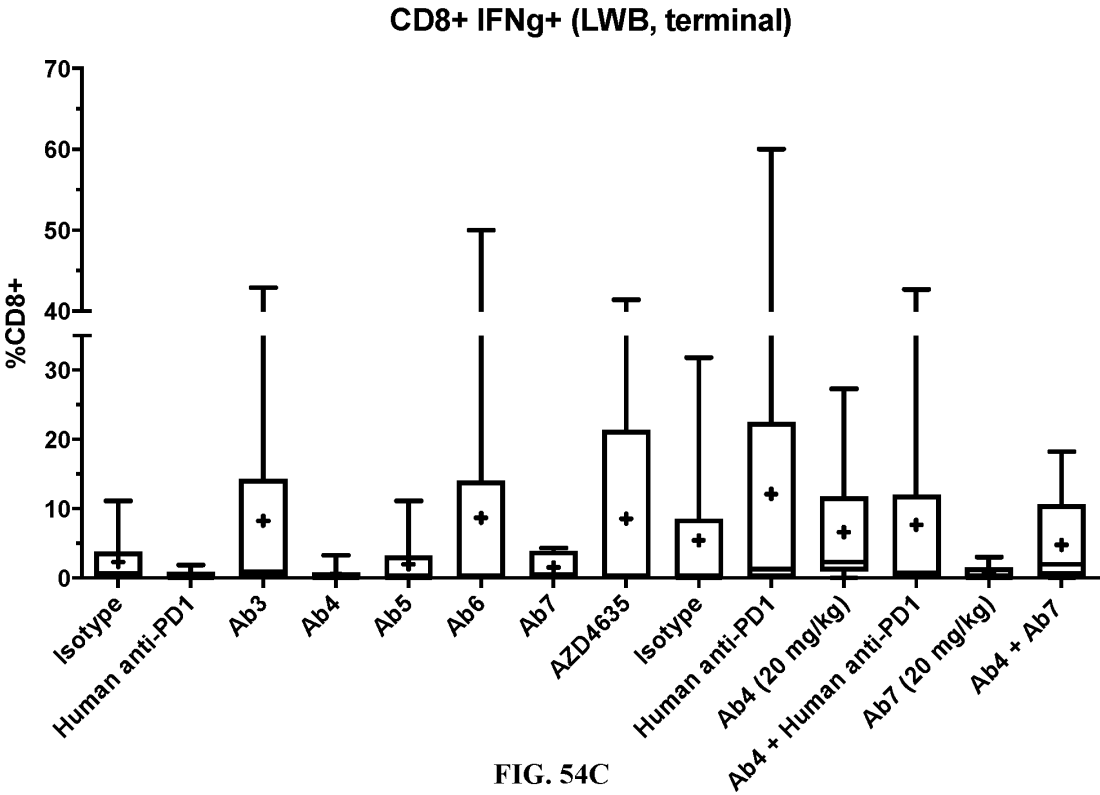
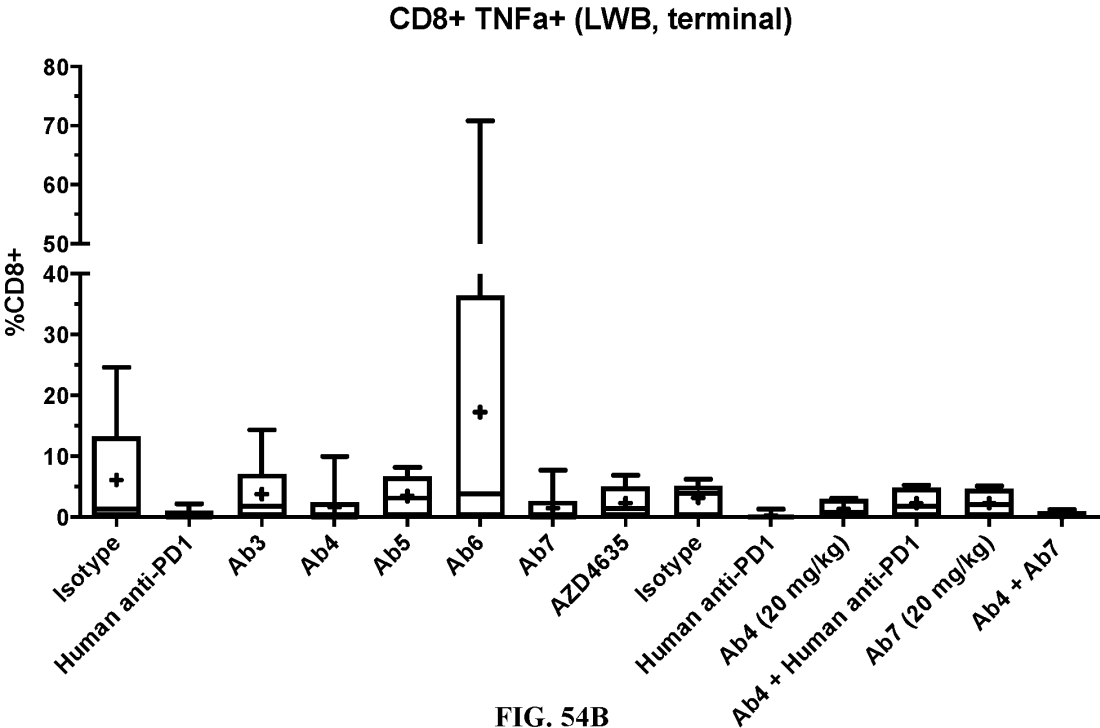
FIG. 52C

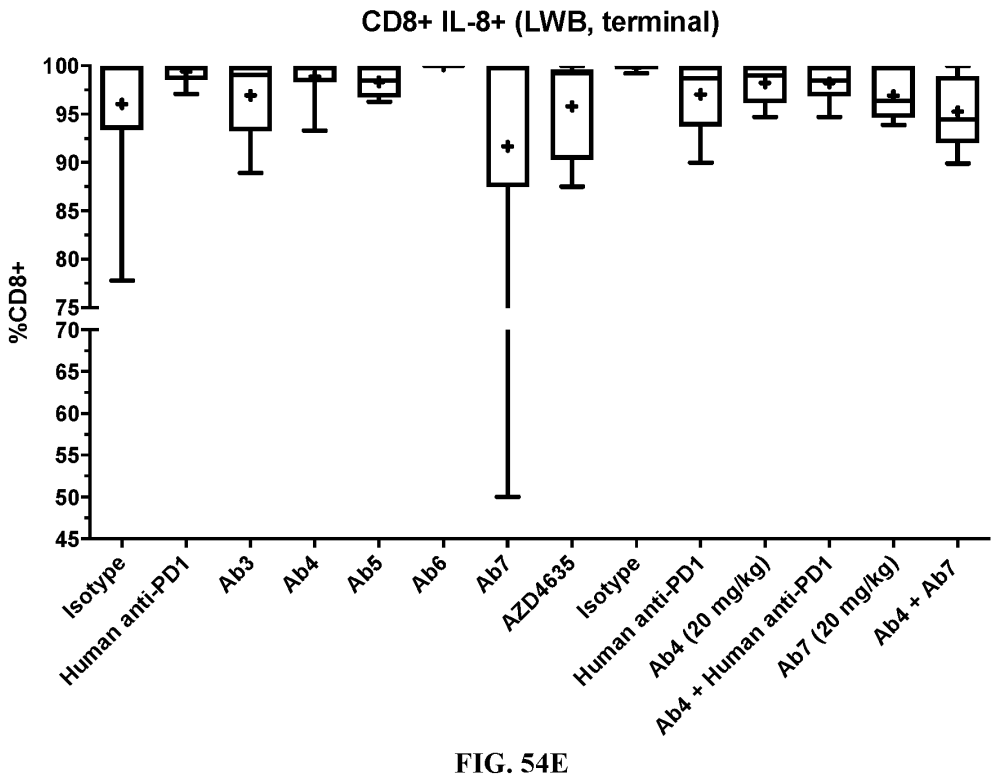
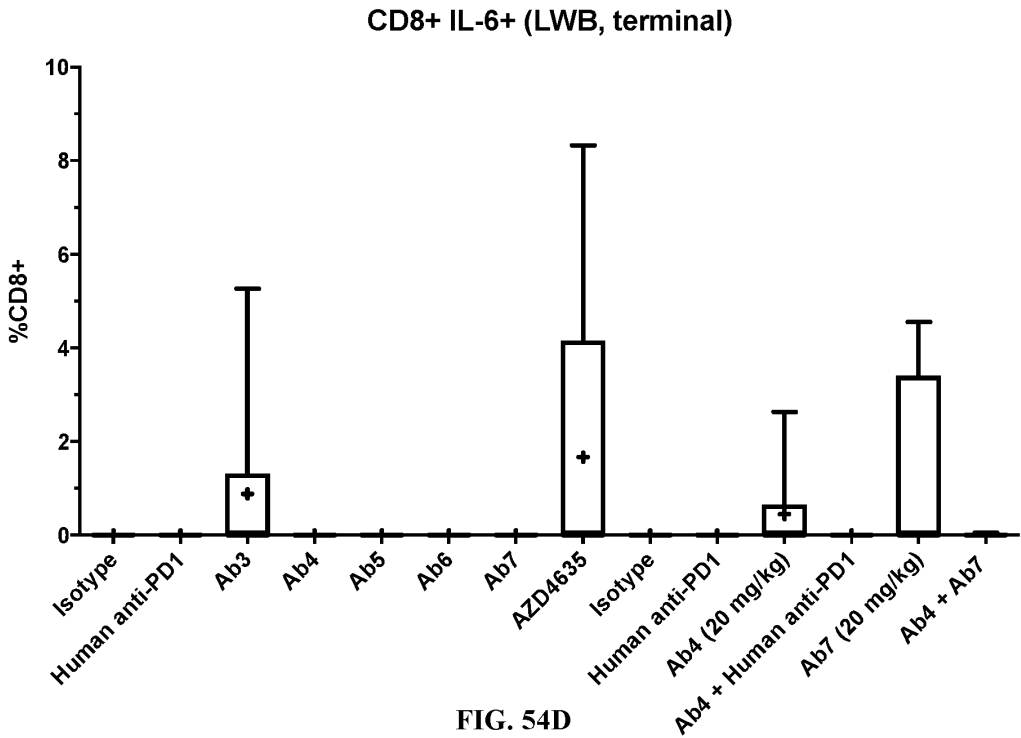


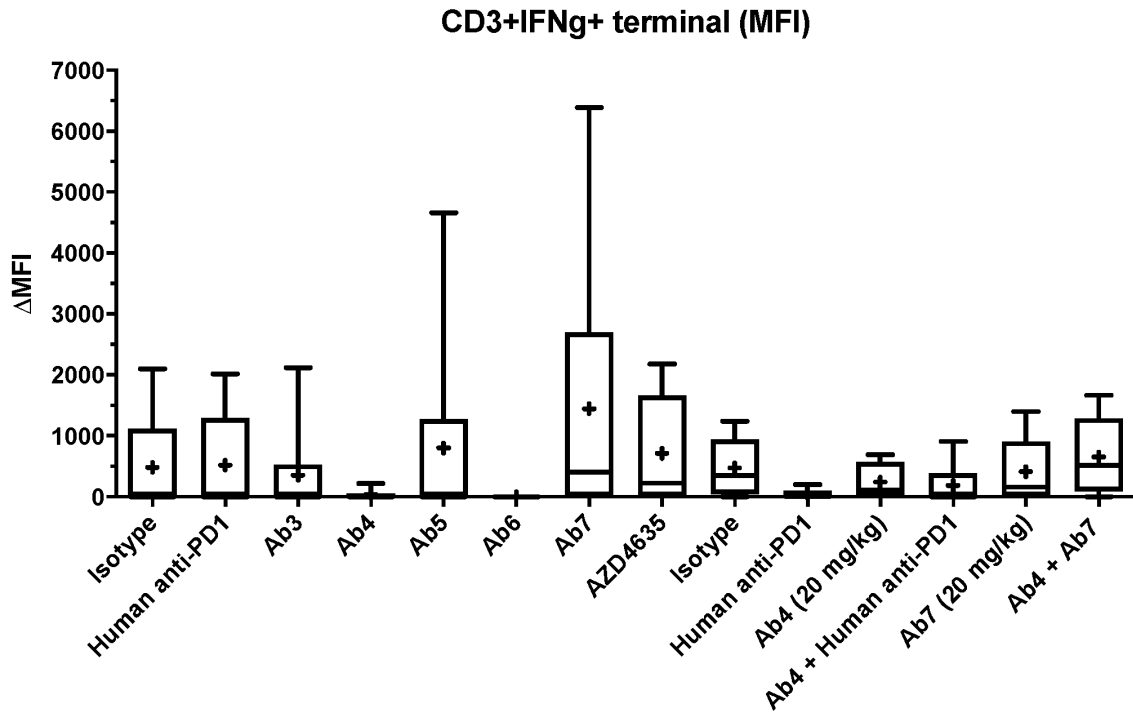
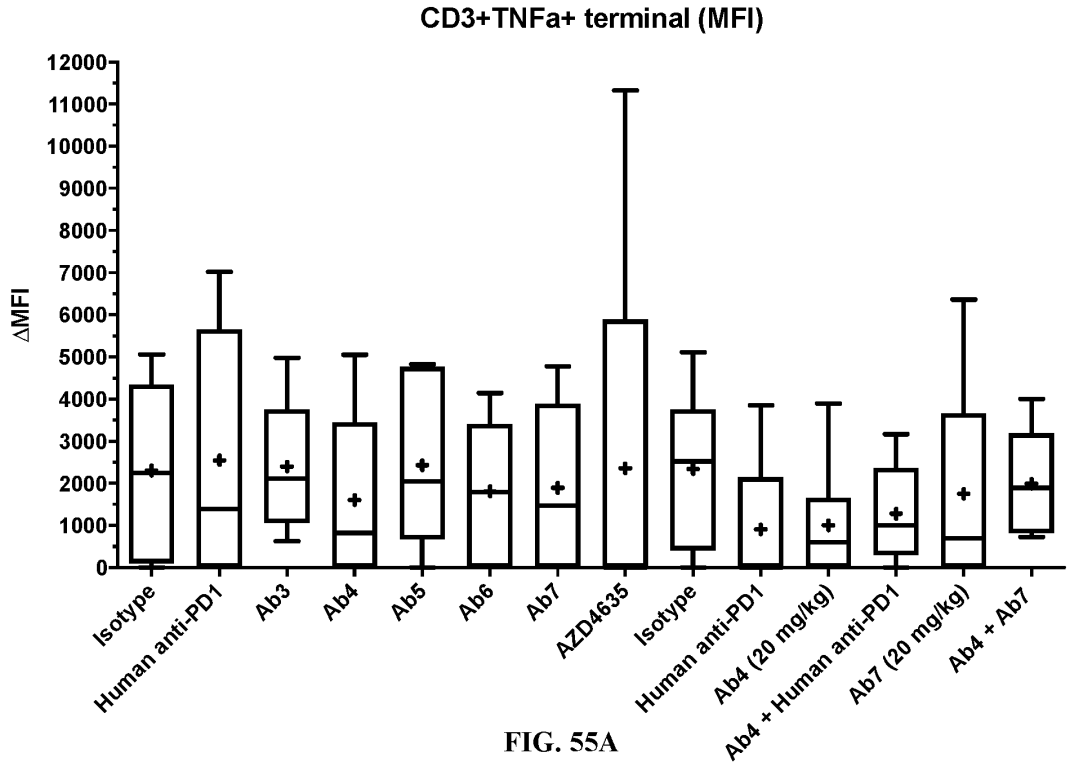












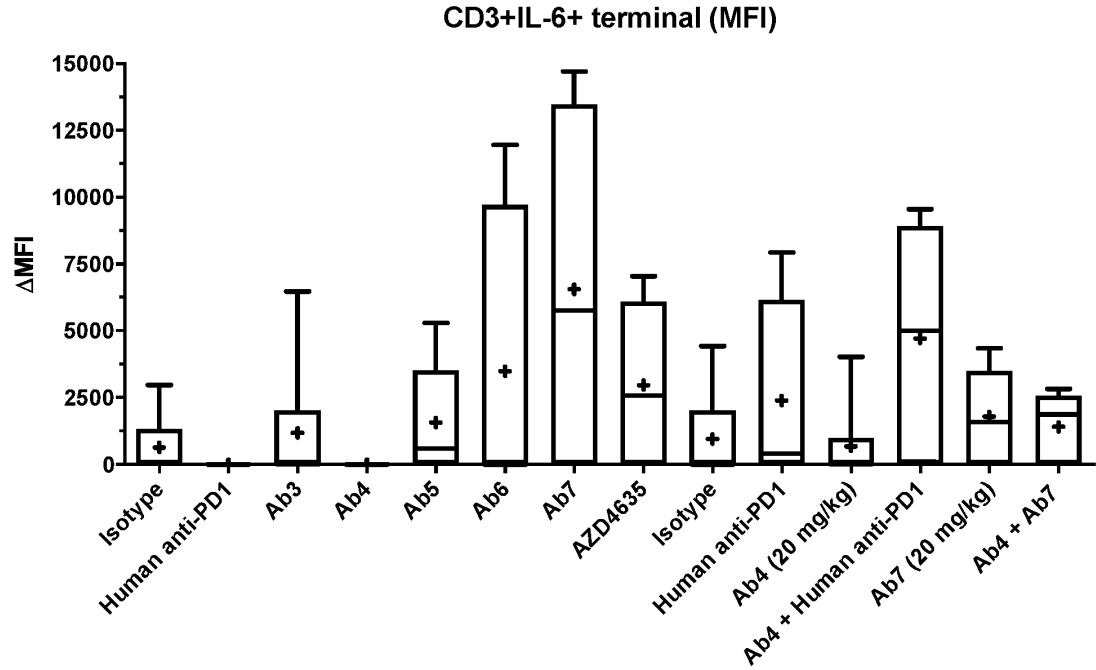


FIG. 55C

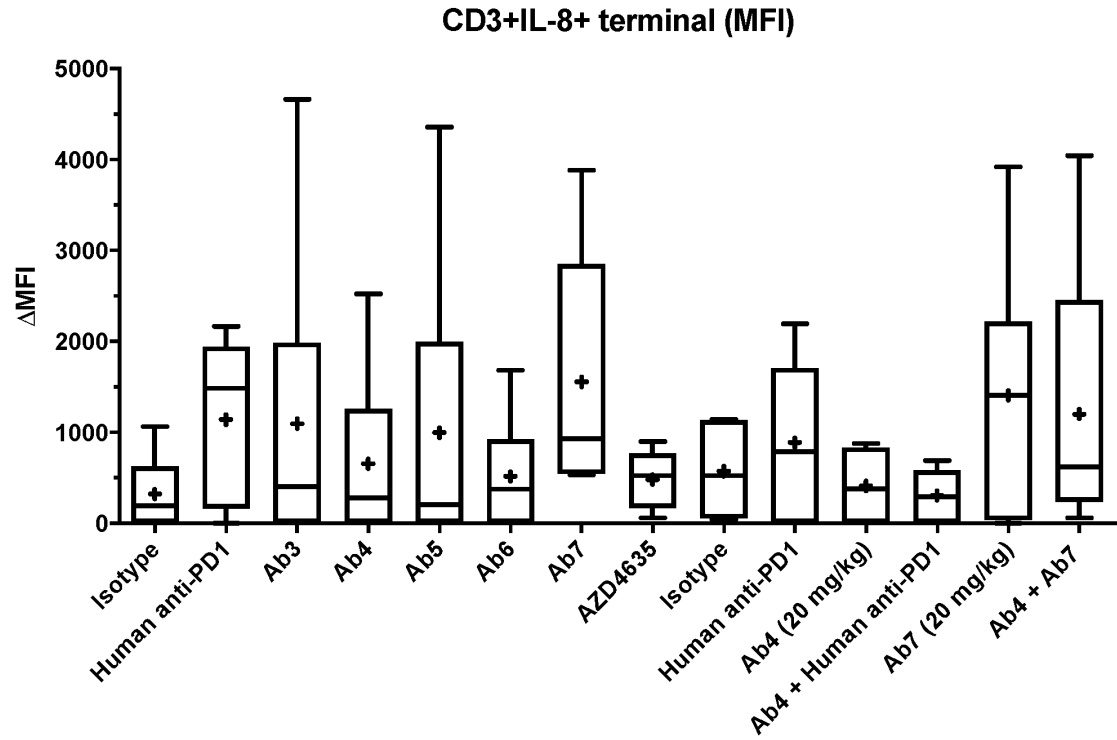


FIG. 55D

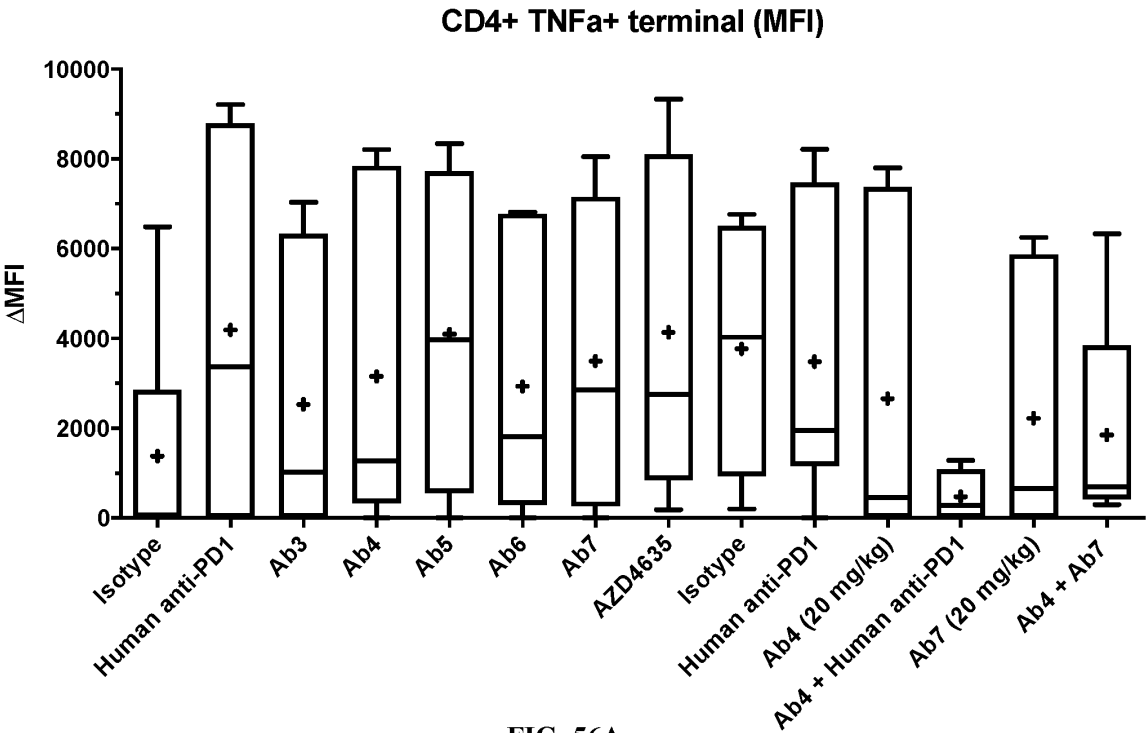


FIG. 56A

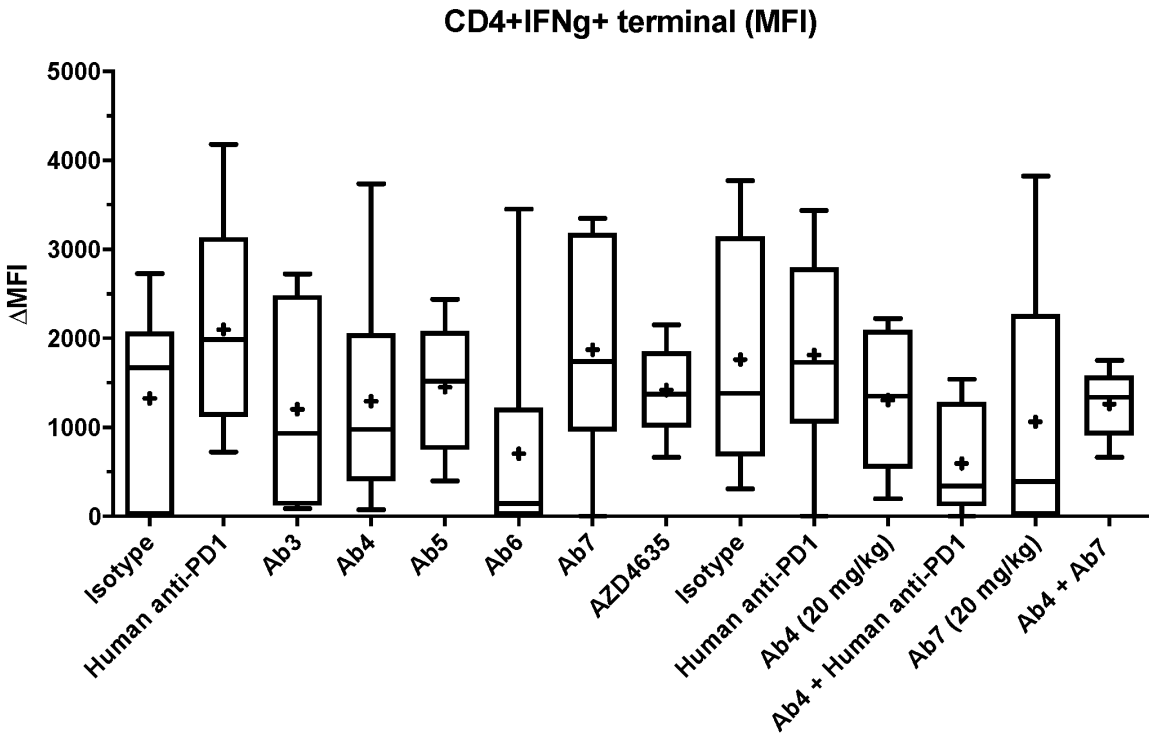
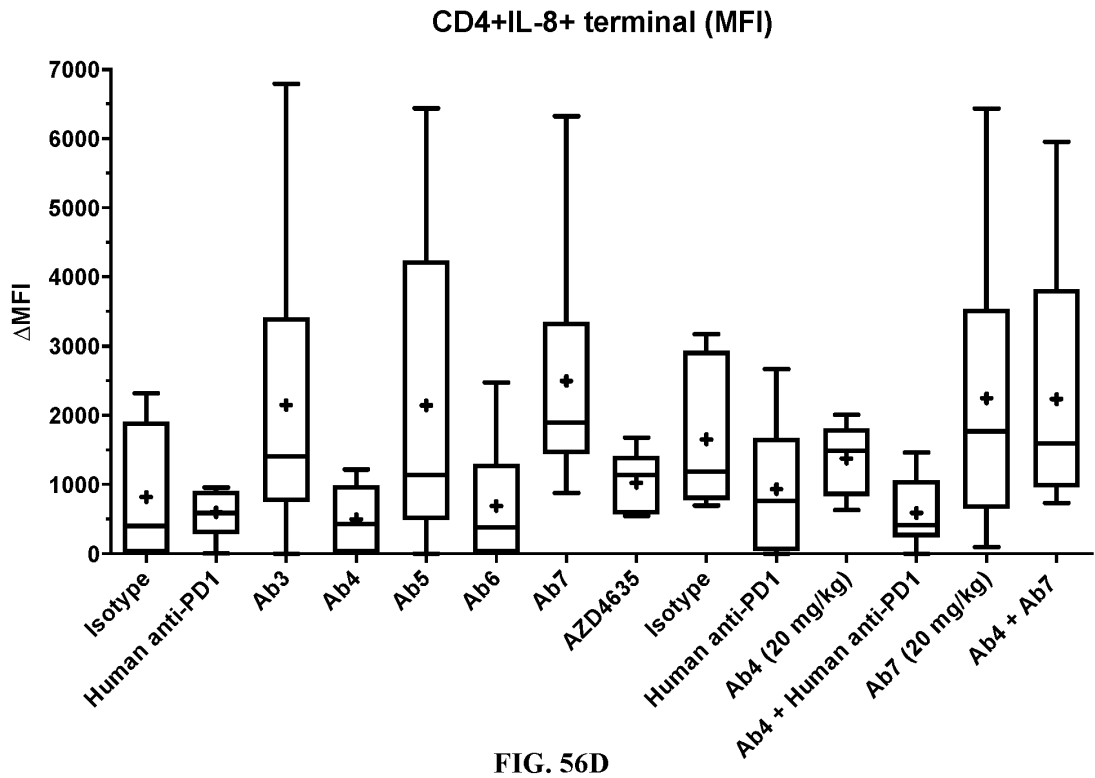
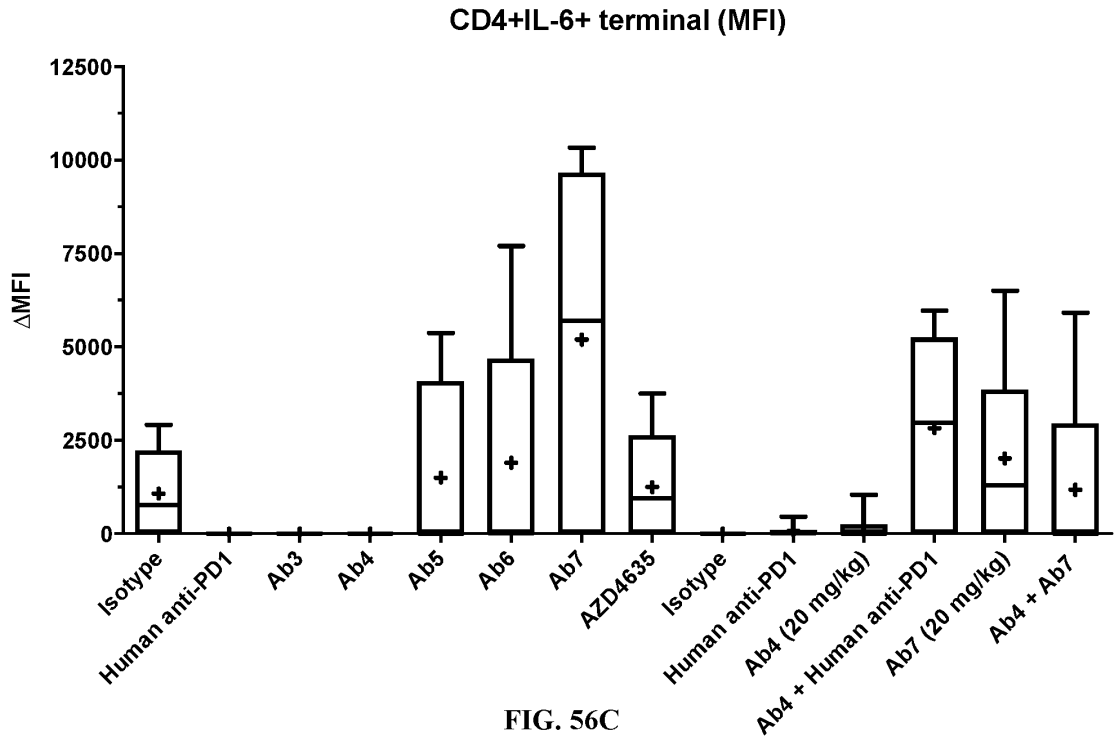


FIG. 56B



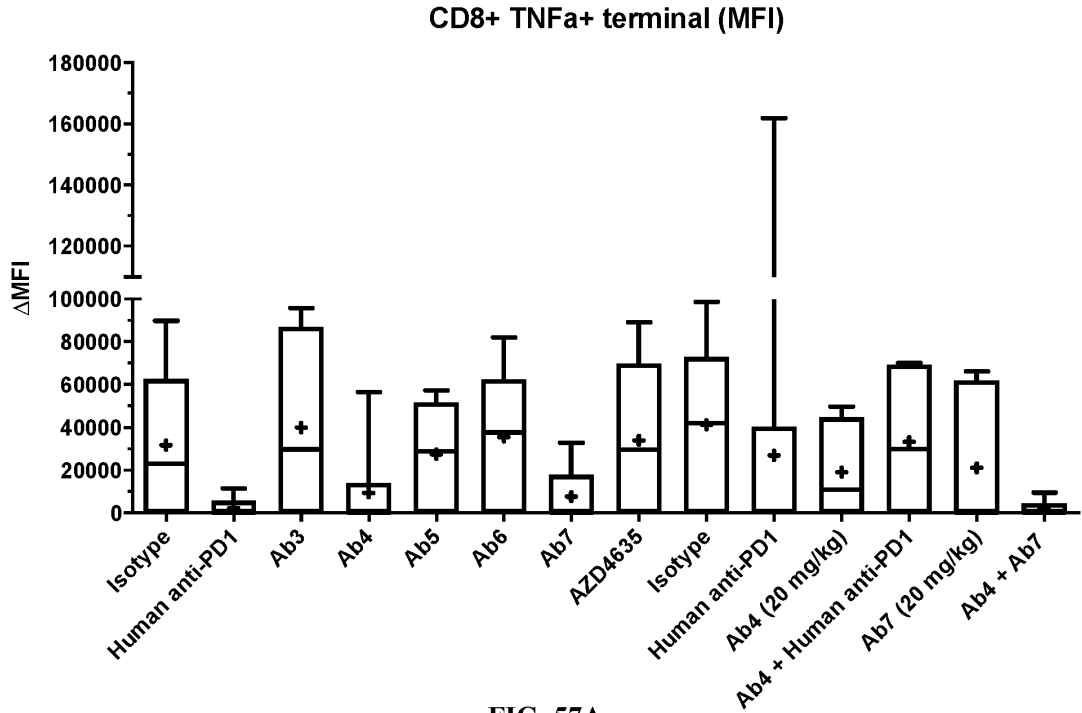


FIG. 57A

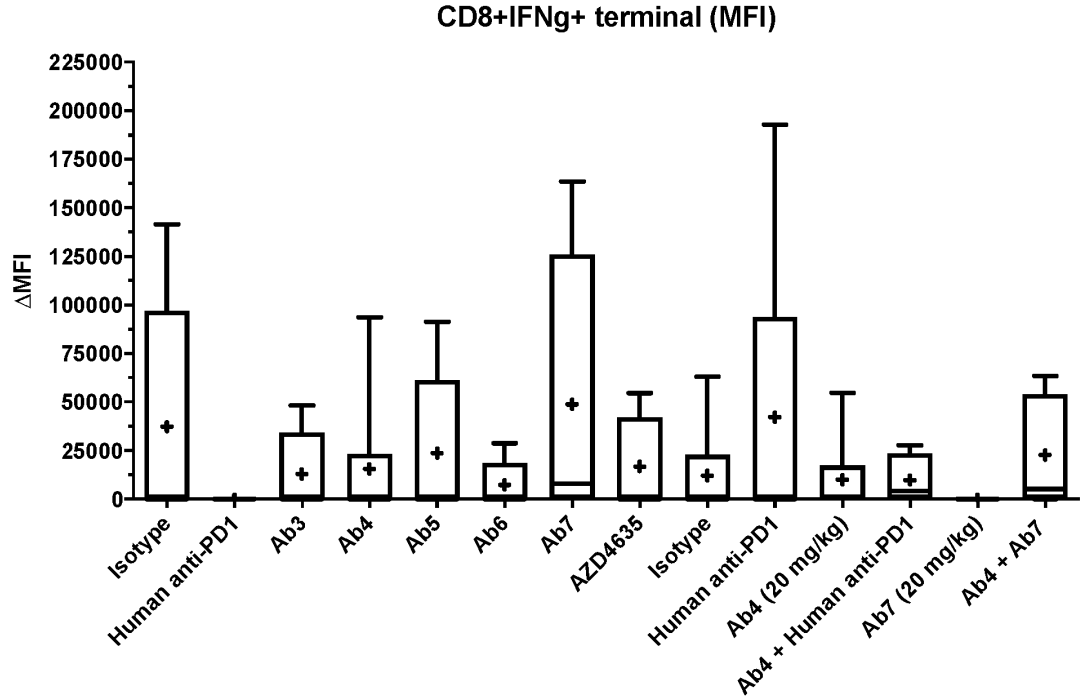


FIG. 57B

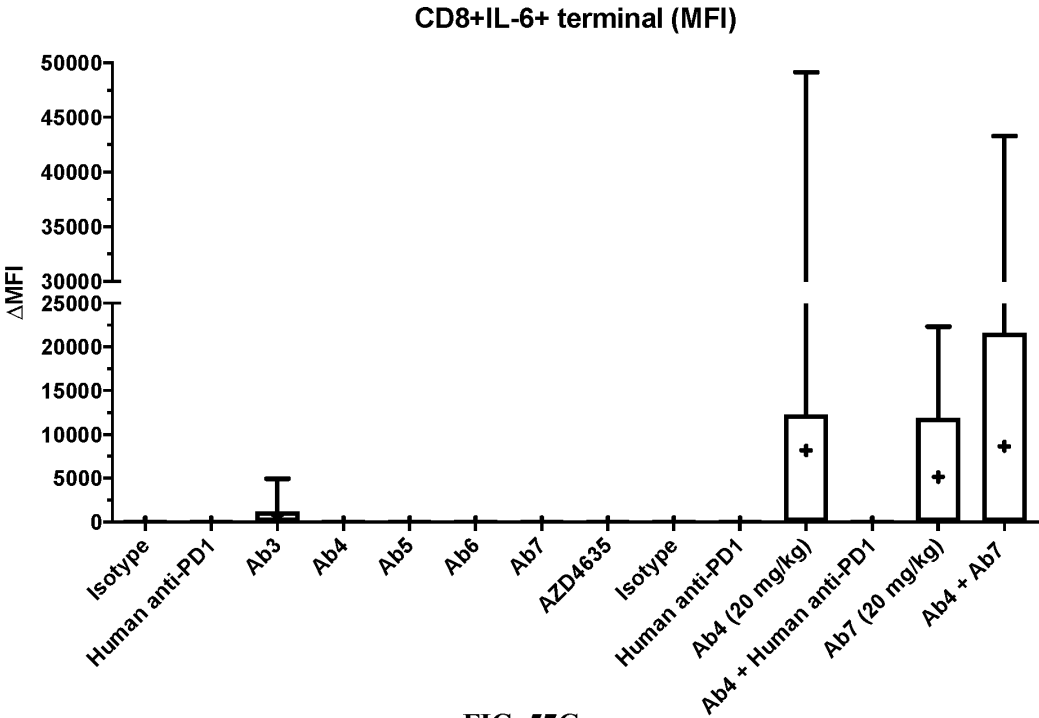


FIG. 57C

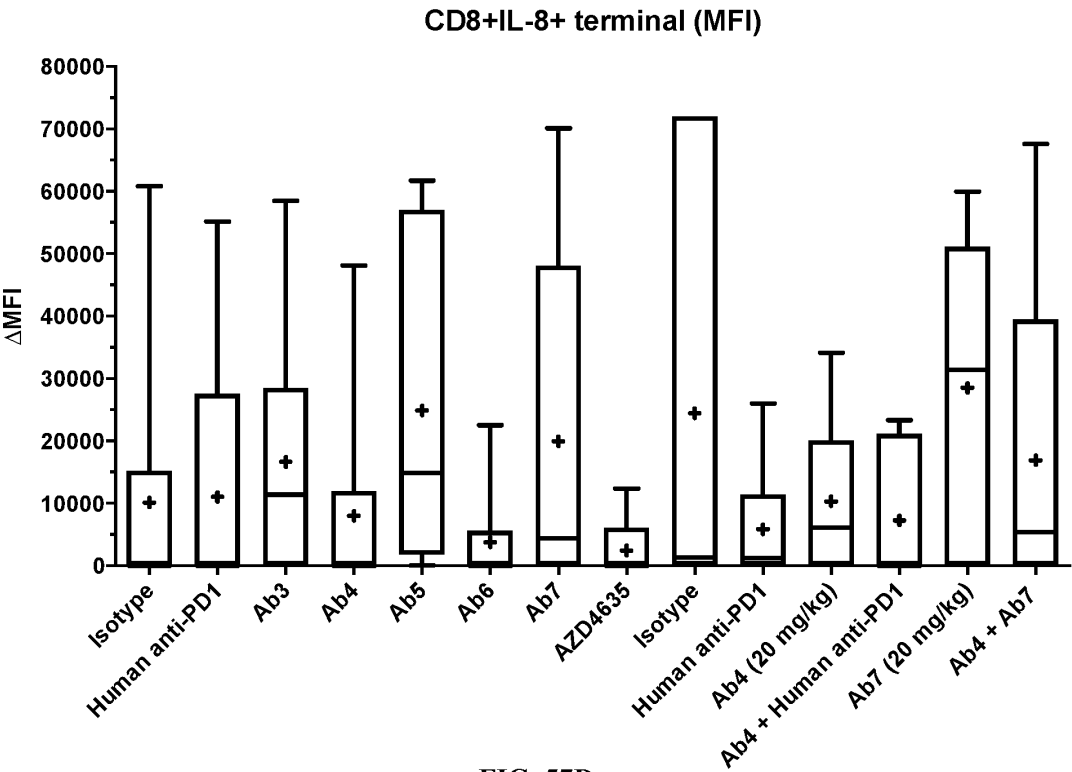


FIG. 57D

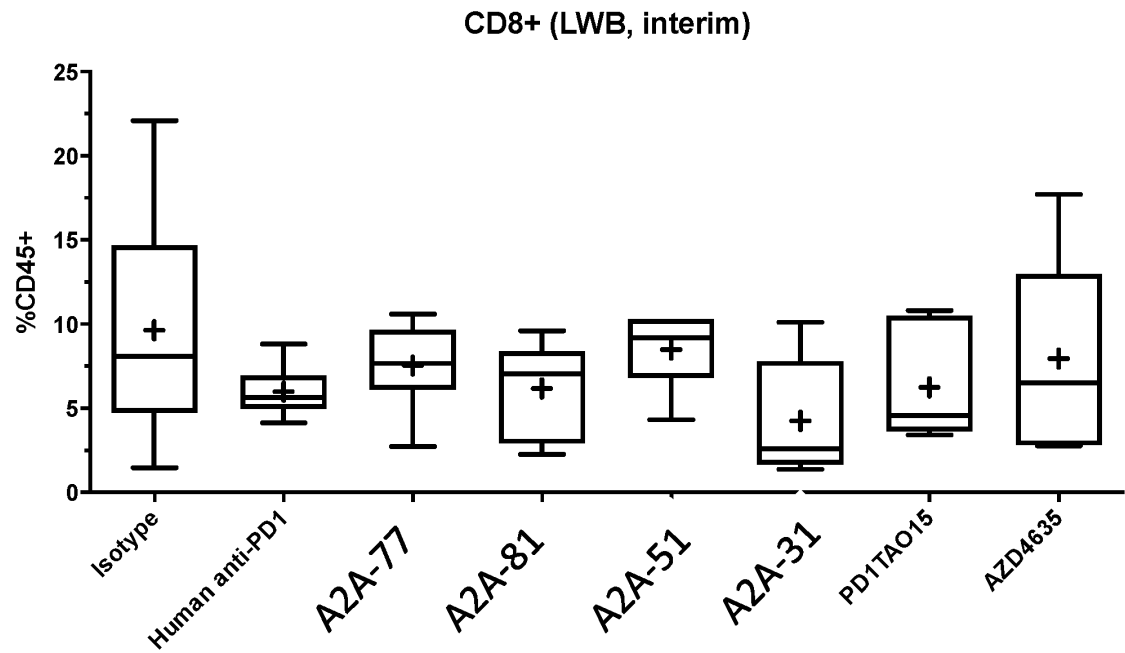


FIG. 58A

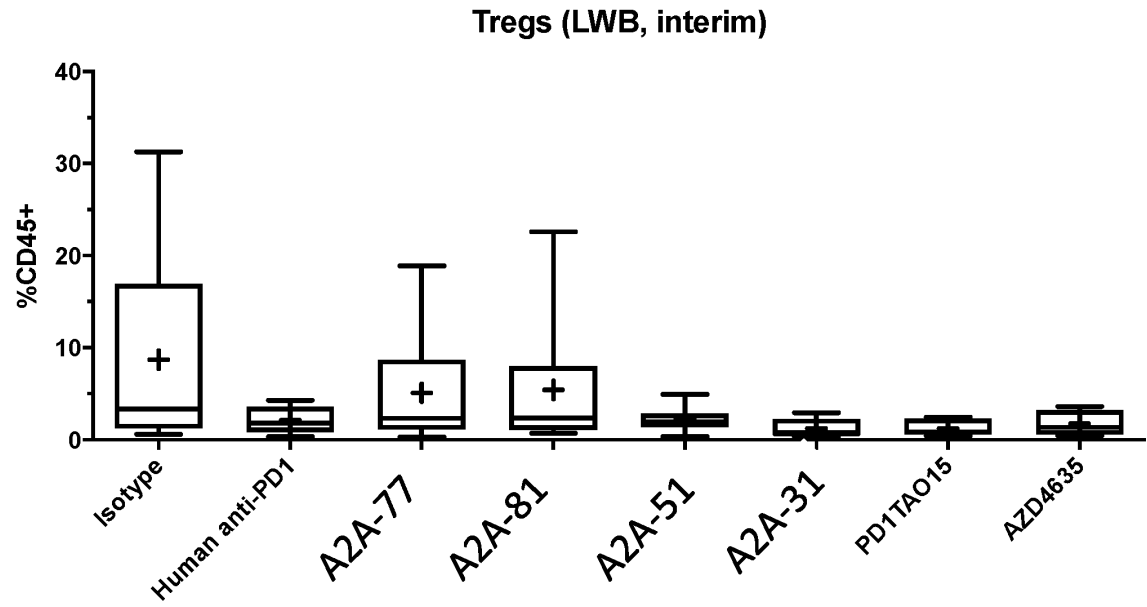


FIG. 58B

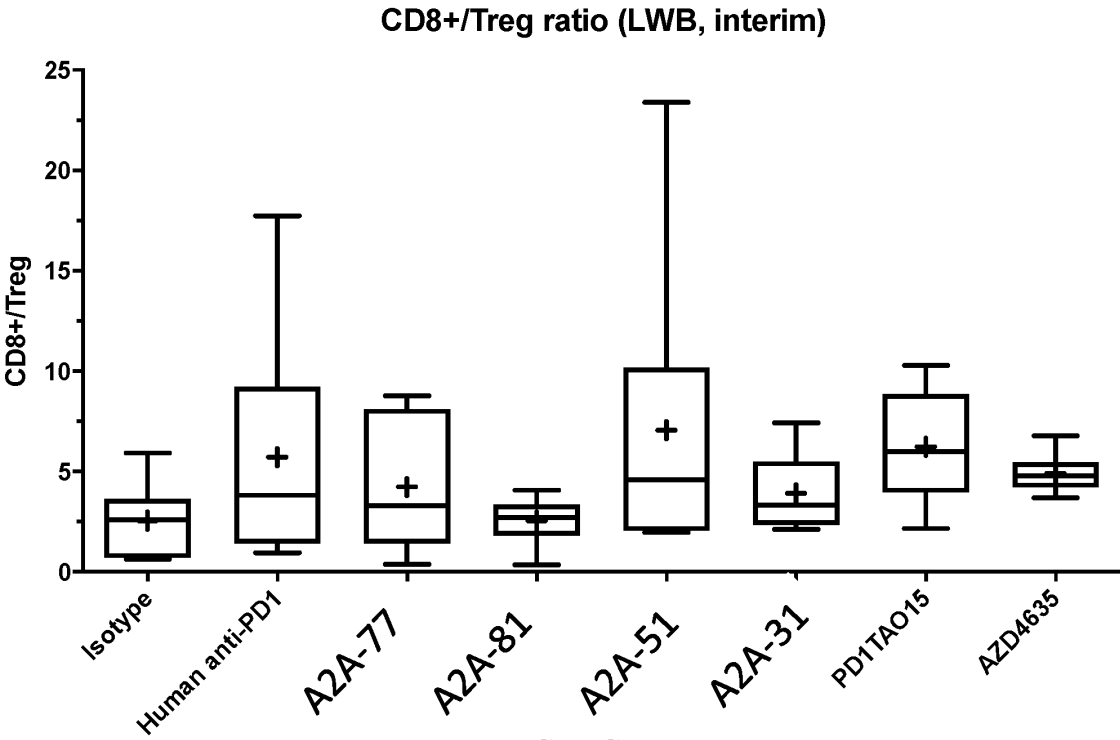


FIG. 58C

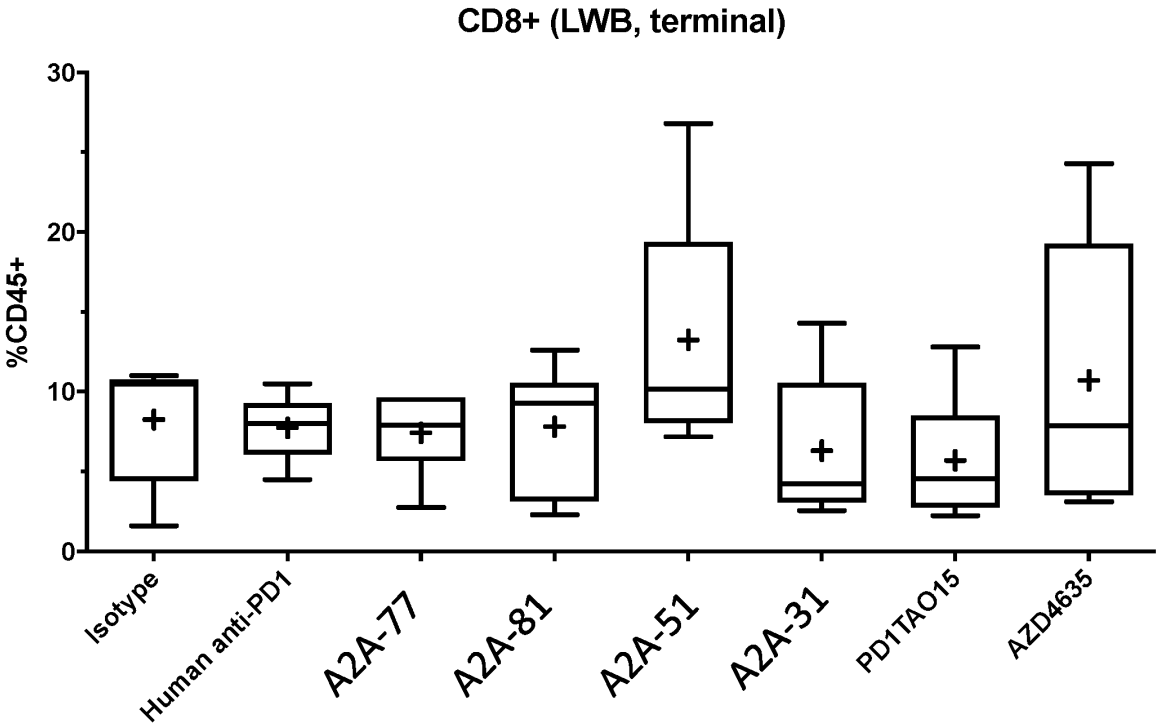


FIG. 59A

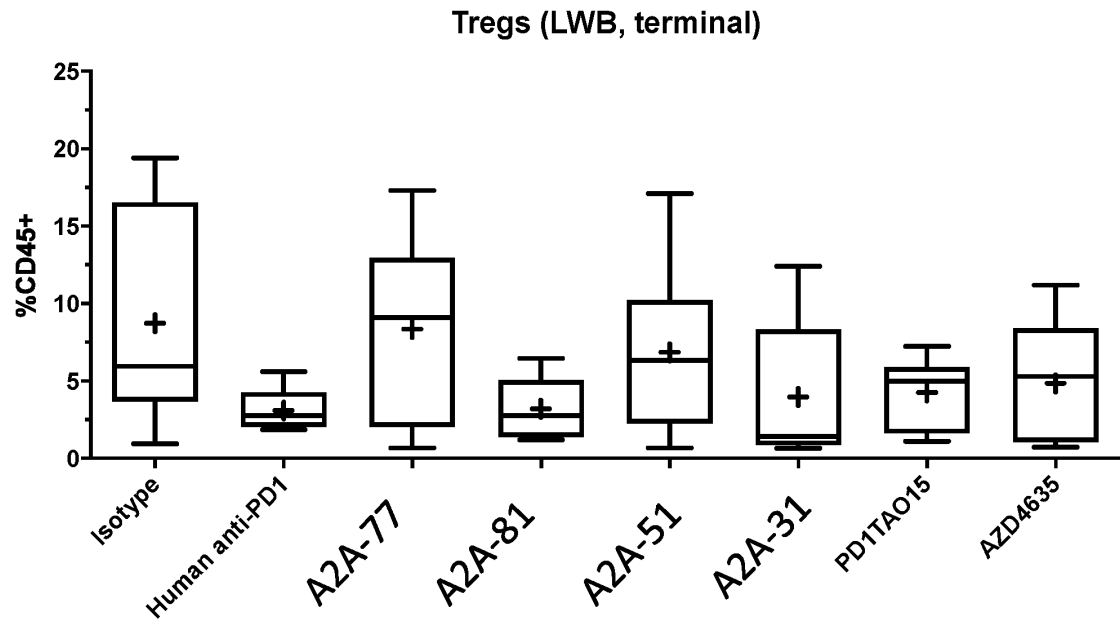


FIG. 59B

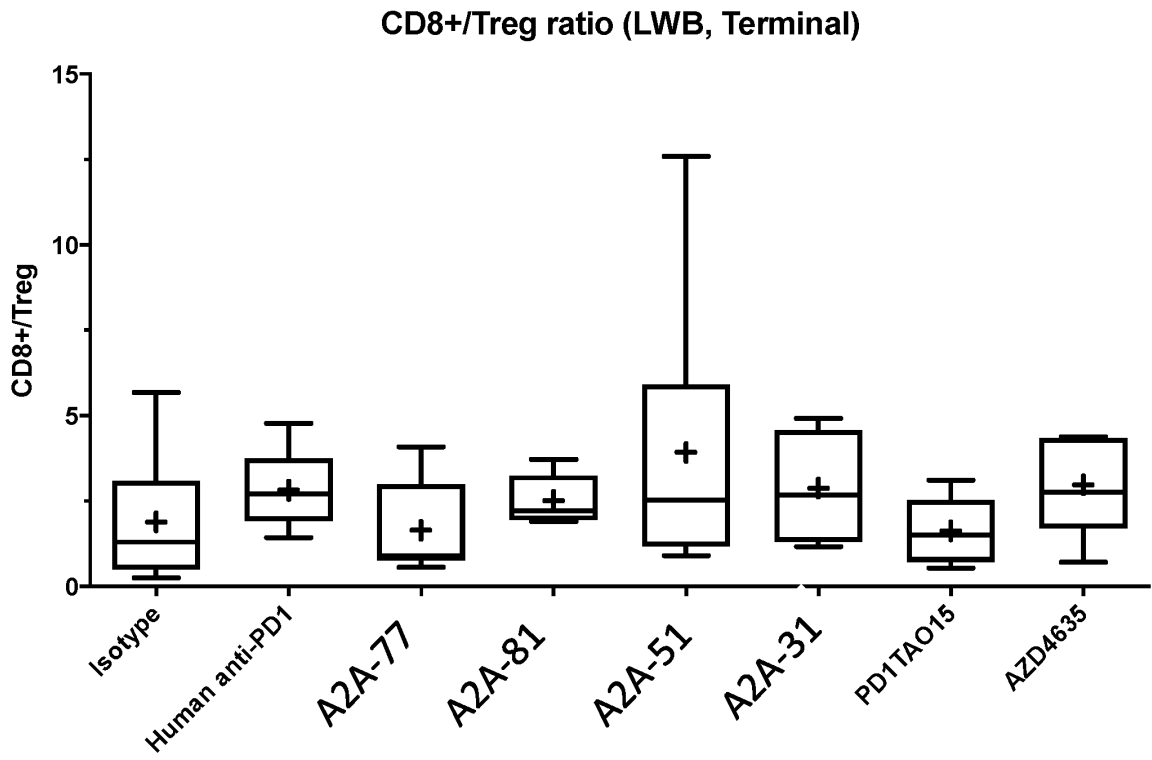
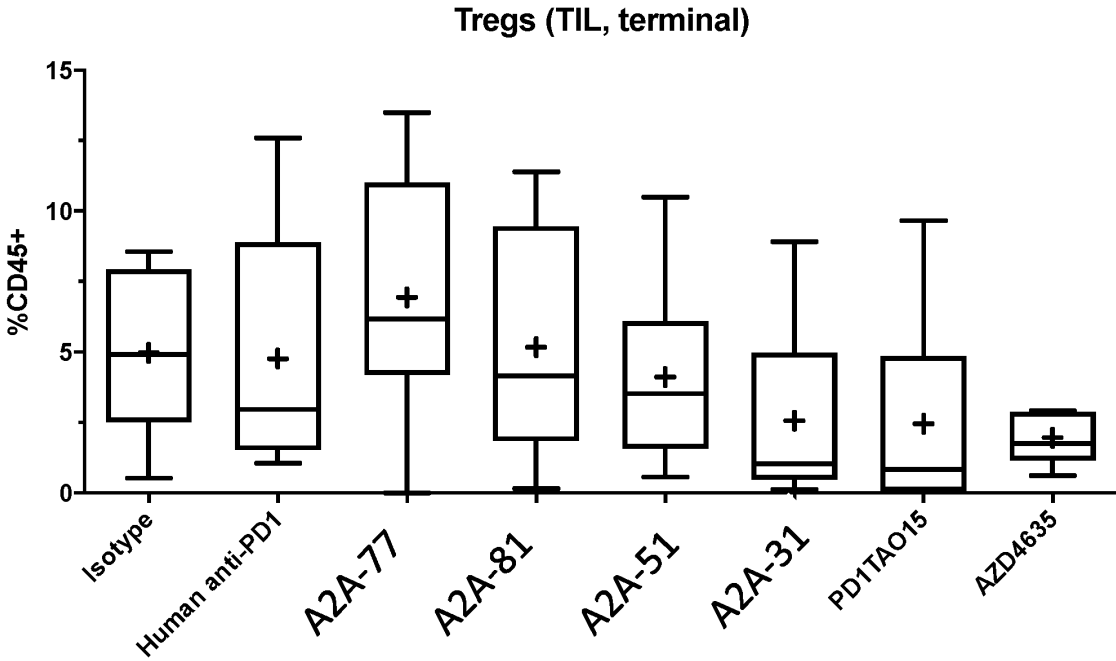
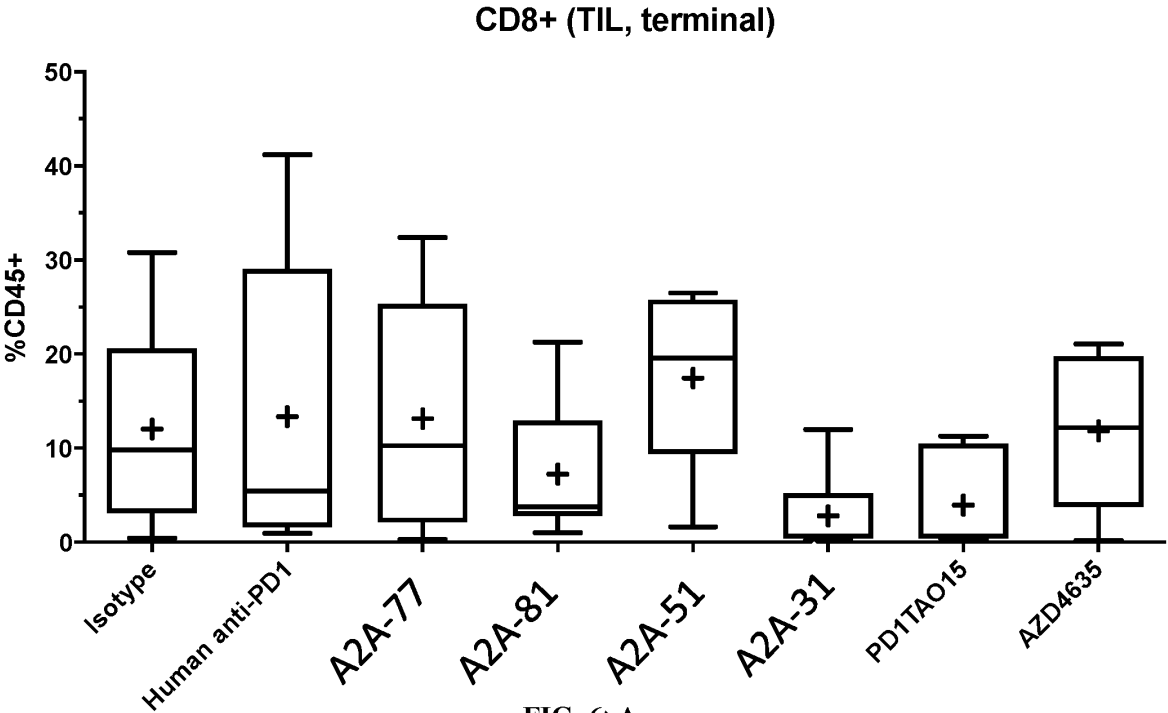


FIG. 59C



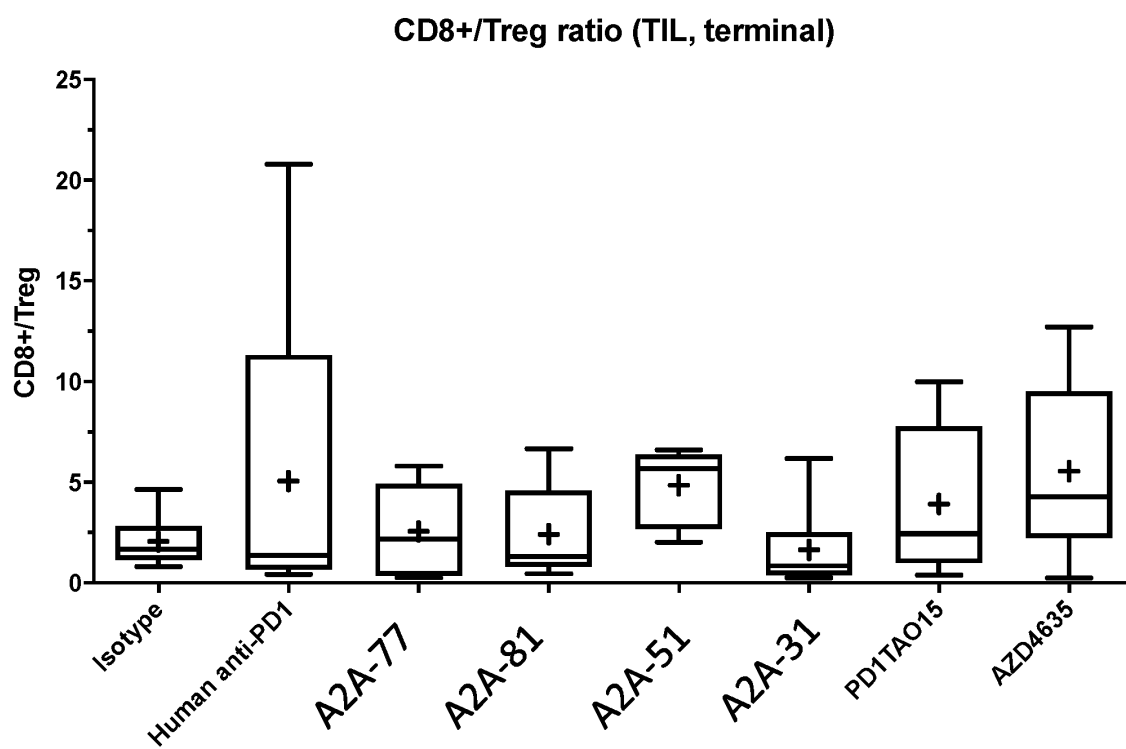


FIG. 60C