

[illegible]

FIG. 1

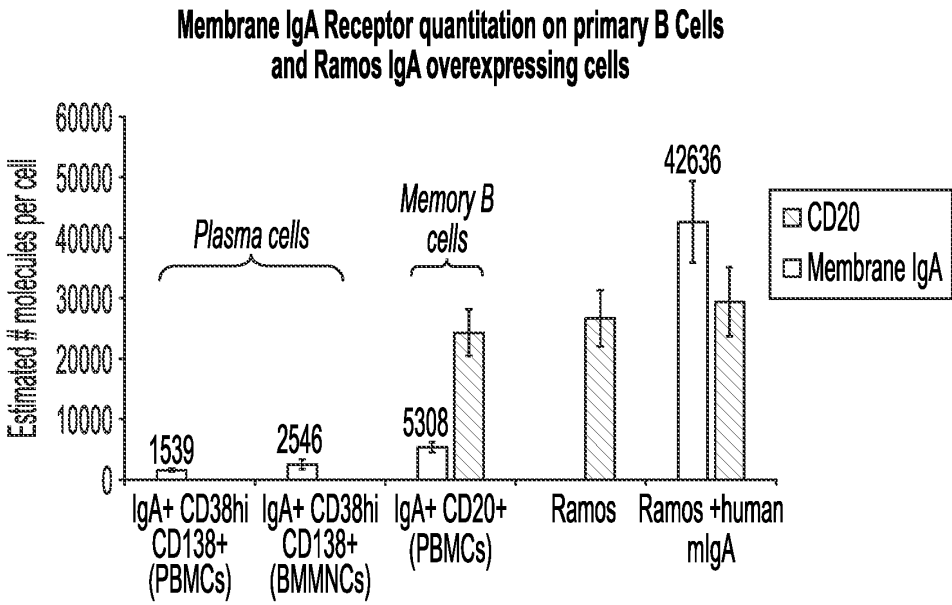
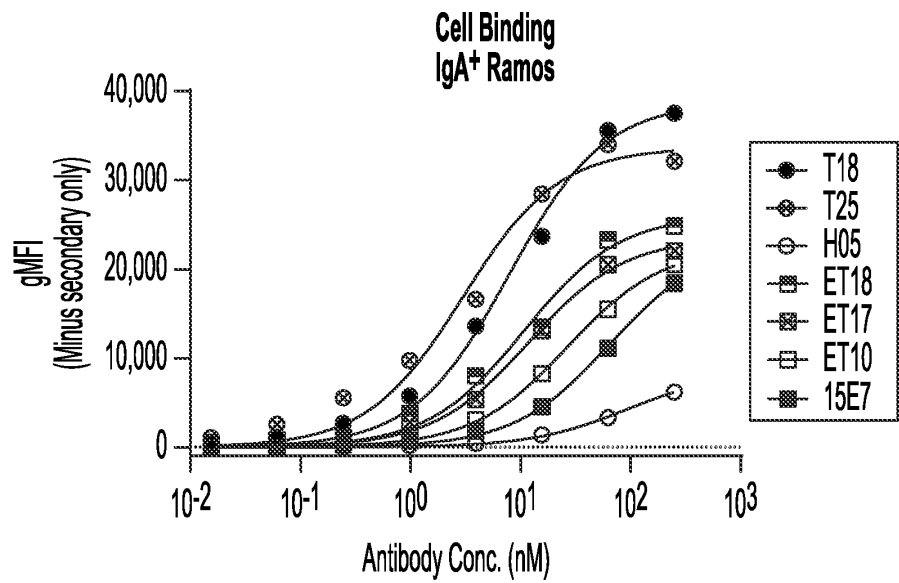


FIG. 2



	H05	T18	T25	15E7	ET10	ET17	ET18
Top	8436	38768	33683	23087	22582	23570	26120
EC50 (nM)	91.4	7.8	2.99	64.5	27	11.9	10.8
R2	0.9989	0.993	0.9796	0.9982	0.9986	0.9958	0.9866

FIG. 3

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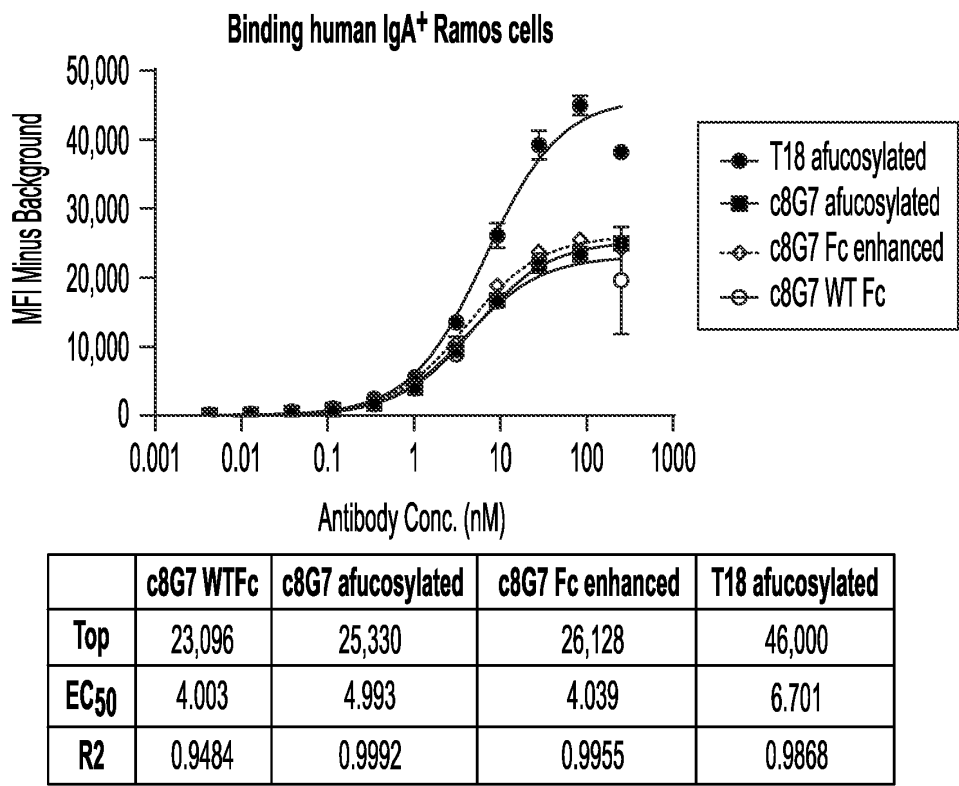


FIG. 4

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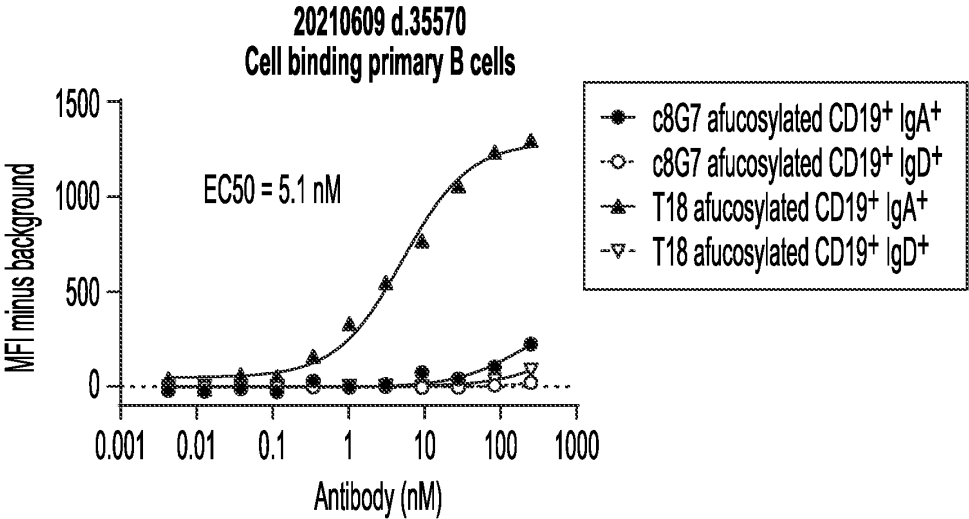


FIG. 5A

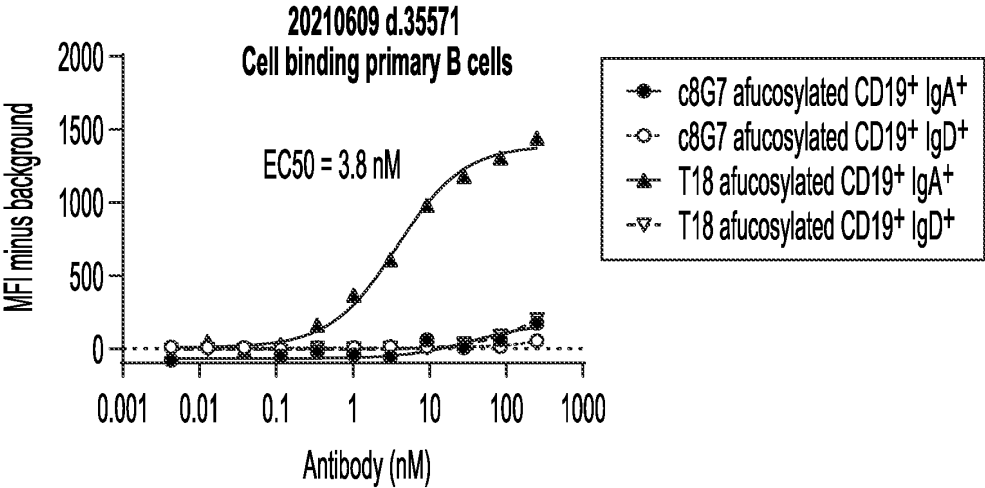


FIG. 5B

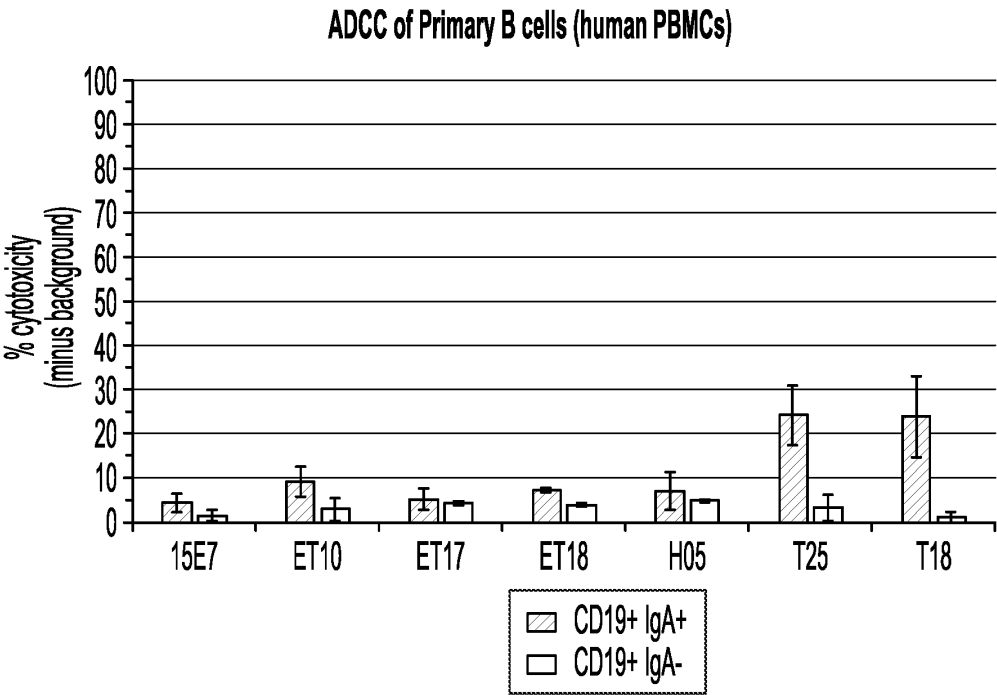


FIG. 6

IgG Name	Description	HFV1	HCDR1	HFV2
GBT-IgA-0033	H05	QVQLVESGGGVQPGRSIRLSCAAS	GFTFSSYGMH	WVRQAPGKGLEWVA
GBT-IgA-0027	T18	.....	.....	.....
GBT-IgA-0032	T25	.....	.....	.....
GBT-IgA-0738	738	H.....	.....	.....
GBT-IgA-0608	T18 FW Graft (i)	E.....L.....	.....	.....
GBT-IgA-0439	T18 FW Graft (ii)	E.....L....G.....	.....	.....
GBT-IgA-0860	0738 FW Graft	E.....L....G.....	H.....	.....
GBT-IgA-1179	Optimised (i)	E.....L....G.....	..E..H....	.....
GBT-IgA-1524	Optimised (ii)	E.....L....G.....	..E..H....	.....

IgG Name	Description	LFV1	LCDR1	LFV2
GBT-IgA-0033	H05	EIVLTQSPATLSVSPGERATLSC	RASQSVSSNLA	WYQQKPGQAPRLIIY
GBT-IgA-0027	T18	.....	.....	.....
GBT-IgA-0032	T25	.....	.....	.....
GBT-IgA-0862	738	.....	.....	.....
GBT-IgA-0608	T18 FW Graft (i)	.....	.....	.....
GBT-IgA-0439	T18 FW Graft (ii)	.....	.....	.....
GBT-IgA-0860	0738 FW Graft	.....	.....	.....
GBT-IgA-1179	Optimised (i)	.....	.....	.....
GBT-IgA-1524	Optimised (ii)	.....	.....D..	.....

FIG. 7A

HCDR2	HFV3	HCDR3	HFV4	Germline FW
VISYDGSNKYYADSVKG	RFTISRDNKNTLYLQMNLSRAEDTAVVYCAK	LYGPNPEDAIDY	WGRTGLVTYVSS	hu_IgHV3- 30*18_IgHJ1*01
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
		K.T.YH	.....	
LCDR2	GIPARFSGSGGTEFTLTISLSQSEDAVYIC	QQYNNWPPFT	FGPGTKVDIK	hu_IgKV3- 15*01_IgKJ3*01
				
		E.K.....	.....	
				
				
				
				
				
				
				

FIG. 7A
CONTINUED

IgG Name	OAA Name	Anti MIGIS-α/CD3 Bispecific Name	Anti-MIGIS-α RR Homodimer Name	Anti-CD3 epsilon EE Homodimer Name
GBT-IgA-0033 (H05)	GBT-IgA-0070	-	-	-
GBT-IgA-0027 (T18)	GBT-IgA-0071	GBT-IgA-0661	GBT-IgA-0658	BMD-IgA-1156
GBT-IgA-0439	GBT-IgA-0620	-	-	-
GBT-IgA-0608	GBT-IgA-0631	-	-	-
GBT-IgA-0862	GBT-IgA-0752	GBT-IgA-1164	GBT-IgA-1445	BMD-IgA-1156
GBT-IgA-0860	GBT-IgA-1090	GBT-IgA-1165	GBT-IgA-1446	BMD-IgA-1156
GBT-IgA-1179	GBT-IgA-1091	GBT-IgA-1602	GBT-IgA-1449	BMD-IgA-1156
GBT-IgA-1524	GBT-IgA-1572	GBT-IgA-1623	GBT-IgA-1470	BMD-IgA-1156

FIG. 7B

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Name	Synonym	Germline	HFV1	HCDR1	HFV2
GBT-IgA-0027	T18	hu_IGHV3-30*18_IGHJ1*01	QVQLVESGGGVVQPGKSLKISCAAS GFTFSYGMH WYRQAPCKGLEWVA E...L.....L....G.....A.SV.....S		
GBT-IgA-0020	15E7	hu_IGHV3-23*01_IGHJ4*01			
Name	Synonym	Germline	LFV1	LCDR1	LFV2
GBT-IgA-0027	T18	hu_IGKV3-15*01_IGKJ3*01	EIVLTQSPATLSVSPGERATLSC RASQSVSSNLA WYQKPGQAPRLIIY.....L.....T...Y... ..		
GBT-IgA-0020	15E7	hu_IGKV3-11*01_IGKJ5*01			

FIG. 8A

HCDR2		HFW3		HCDR3		HFW4	
VISYDGSNKYYADSVKG		RFTISRDNKNTLYIQWNSLRAEDTAVYYCAK		LYGKNPKDTIYH		WGRGTLTVVSS	
A.TGS..GT....P...		H...		ERS.SSS---DY		..Q.....	
LCDR2		LFW3		LCDR3		LFW4	
GASTRAT		GIPARFSGSGCTEFTLTSSLSQSEDAVYYC		QQYNNWPPFT		FGPGTKVDIK	
E.N...		...P.....D.....EP.....		.R....-I.		..Q..RLES.	

FIG. 8A
CONTINUED

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Sequence ID	HFw1	HCDR1	HFw2	HCDR2	HFw3	HCDR3	HFw4
15E7	EVQLLESGGGLVQPGGSLRLSCAASGFTFSYAMS	WVRQVPCKGLEWVS	AITGSGSGTYYADPVKG	RTTISRDN SKNTLYLQMNSTRAEDTAVYHCAKERSGSSDY	WGQGTLLTVSS		
ET10	.....	.....	.....S.....G.....	.....	.....	.....	.....
ET17	.....	.....R.....	.....	.....	.....	.....	.....
ET18	.....	.....R.....	.....	.....	.....	.....	.....

Sequence ID	LFw1	LCDR1	LFw2	LCDR2	LFw3	LCDR3	LFw4
15E7	EIVLTQSPATLSLSPGERATLSC	RASQTVSSYIA	WYQQKPGQAPRLLIY	EASNRAT	GIPPRFSGSGGTDTLTITISLSEPEDFAVYVCOQRNNWPIT	FGQGTRESK	
ET10		R.H..					
ET17		G.H..					
ET18		H..					

FIG. 8B

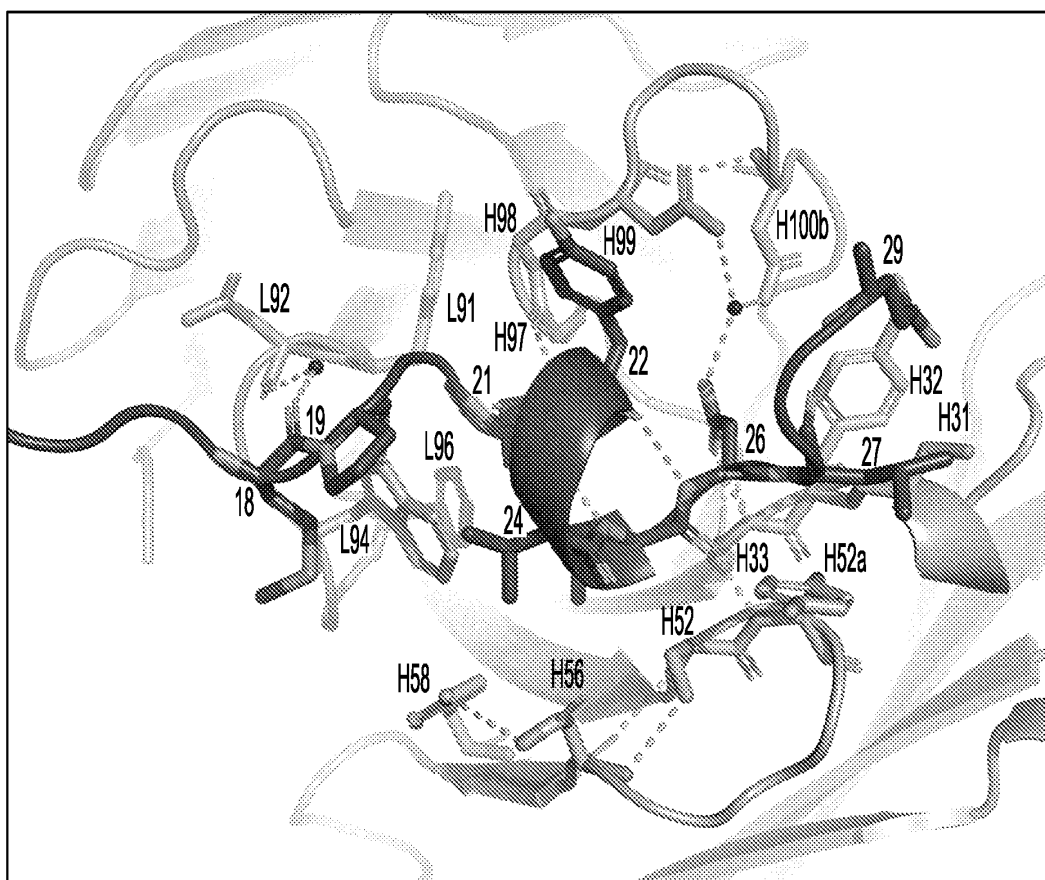


FIG. 9A

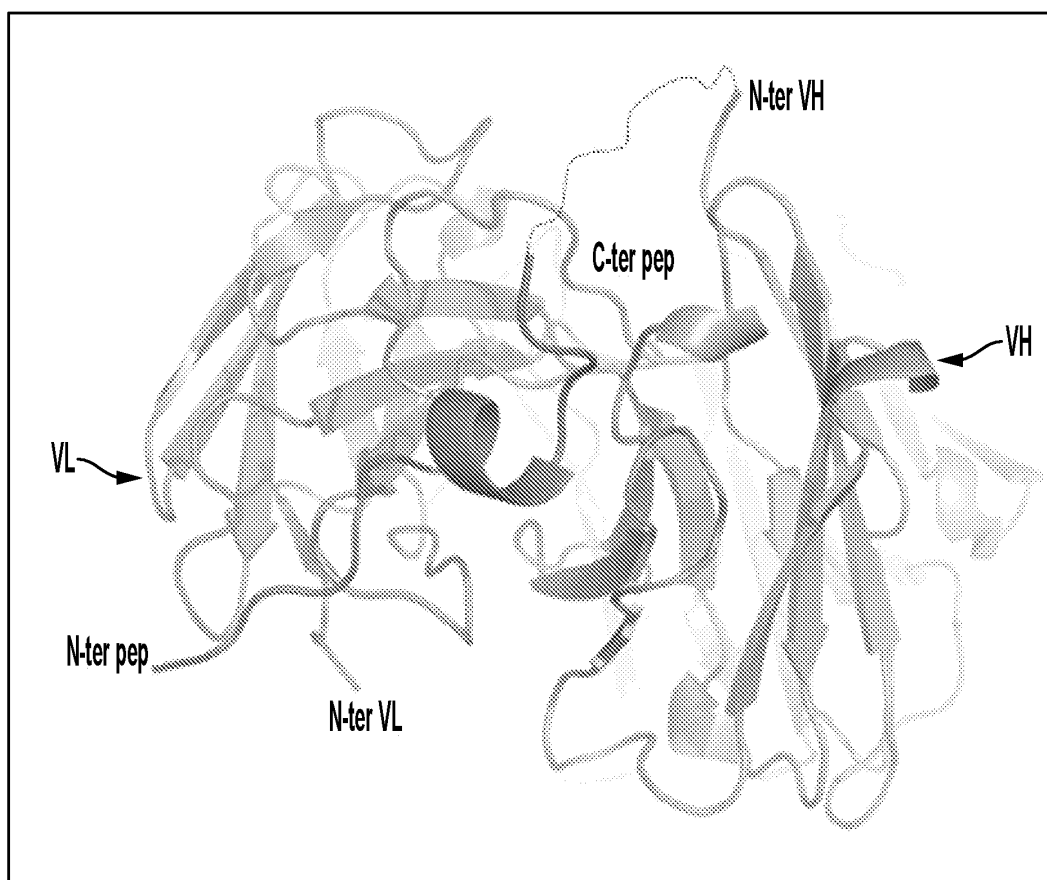


FIG. 9B

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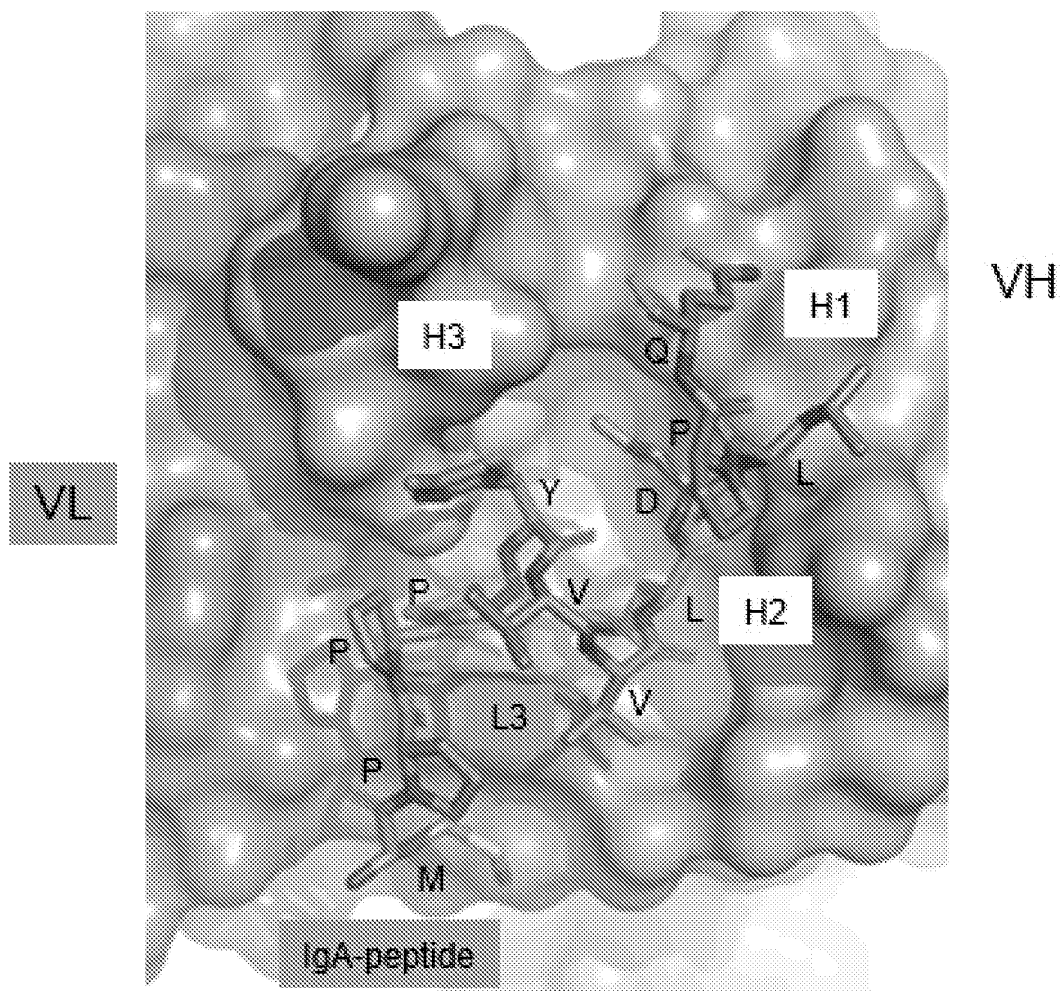


FIG. 9C

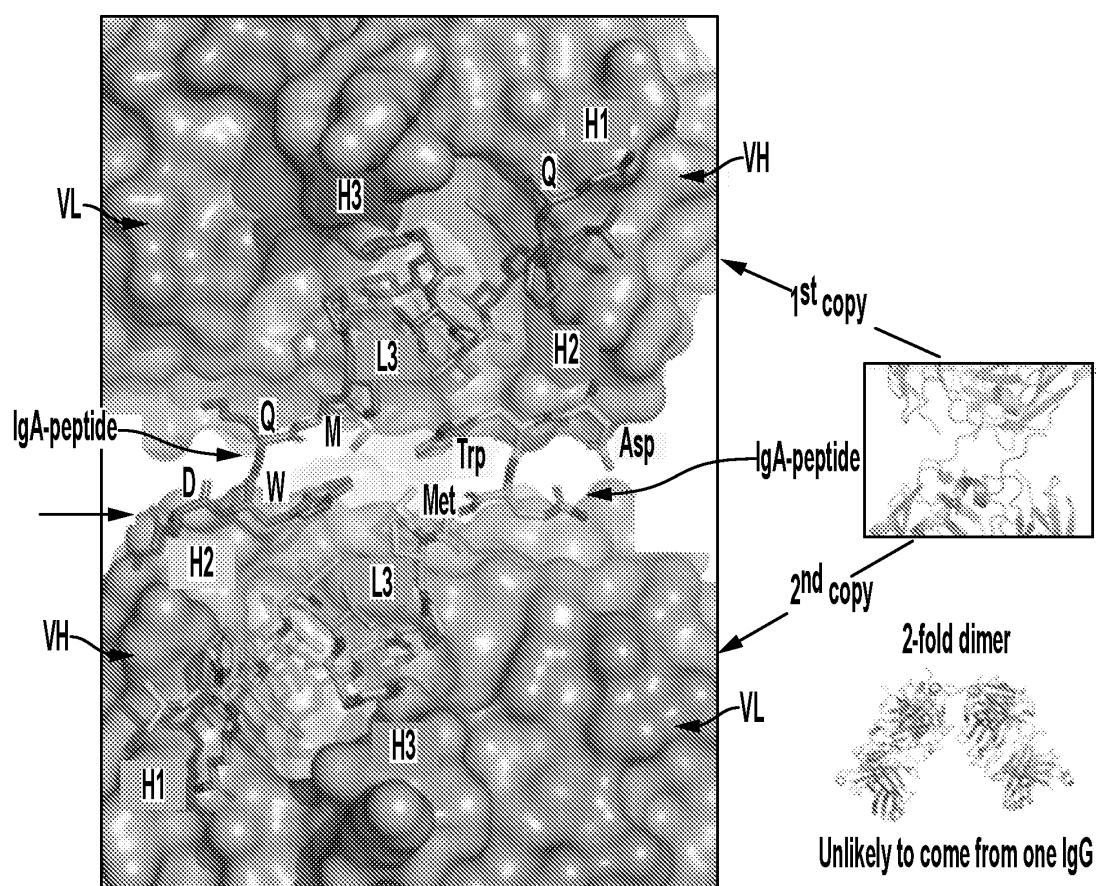


FIG. 9D

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T18

15E7

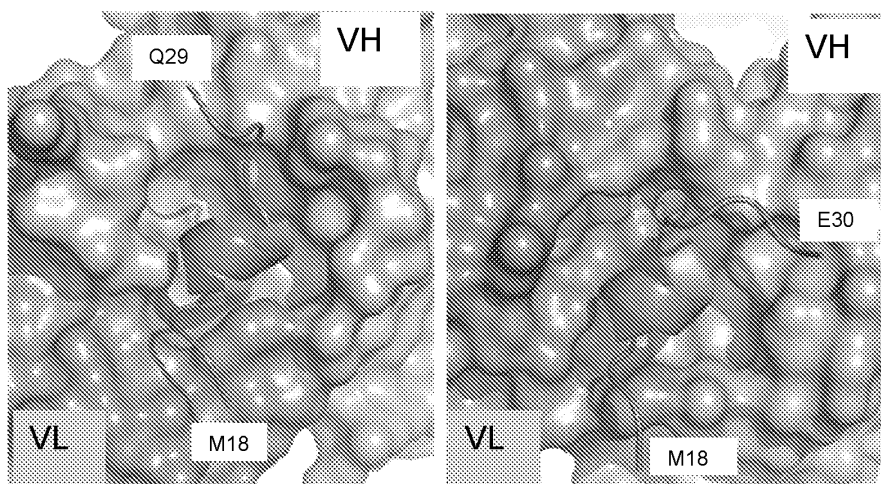


FIG. 9E

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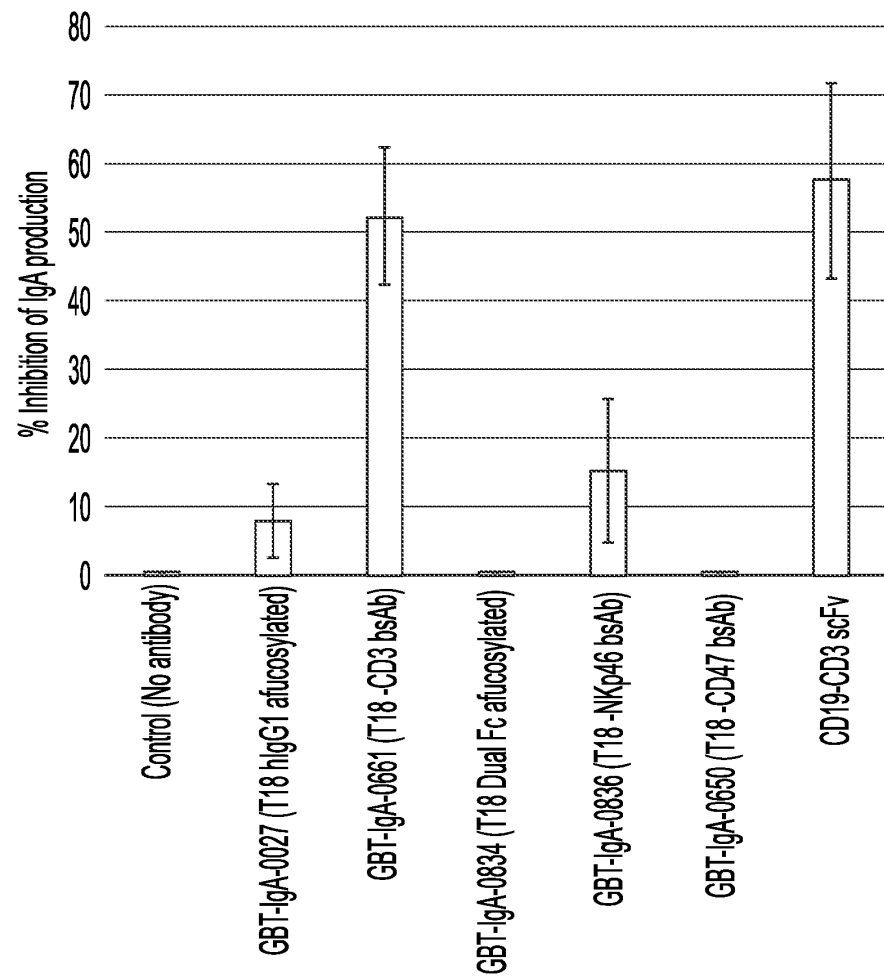


FIG. 10

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Characterisation of GBT-IgA-1602 binding to Ramos
overexpressing human or cyno IgA

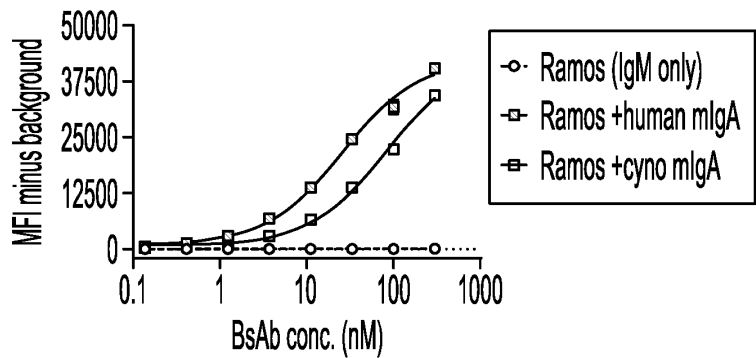


FIG. 11A

Characterisation of GBT-IgA-1602 binding to DAKIKI cells (IgA⁺)

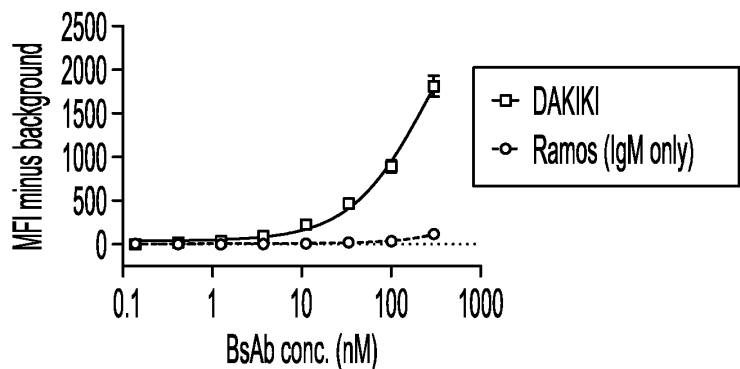


FIG. 11B

Characterisation of GBT-IgA-1602 binding to primary human B cells

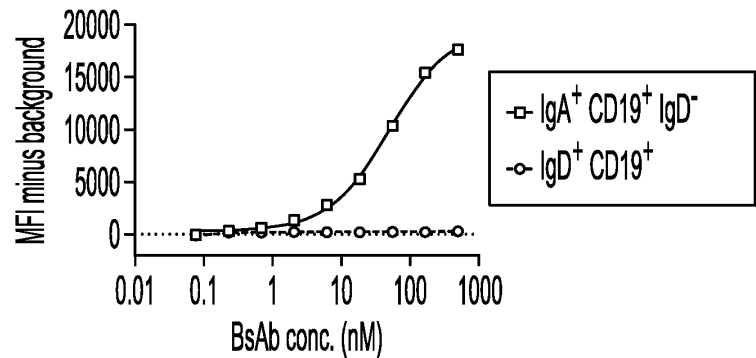


FIG. 11C

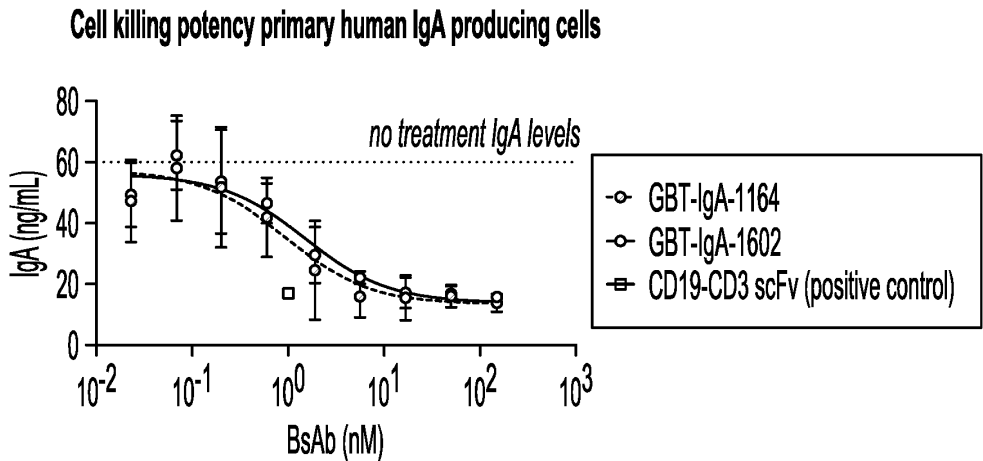


FIG. 12A

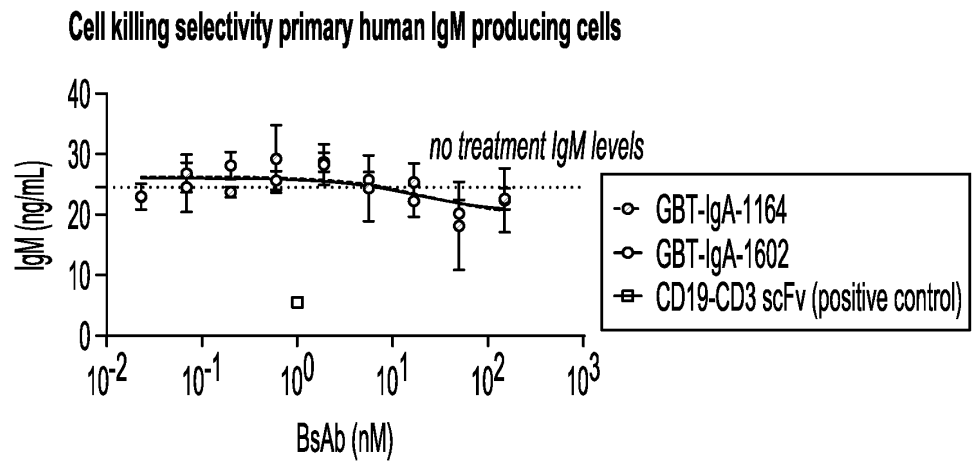


FIG. 12B

Cell kill potency against mlgA⁺ primary human memory B cells

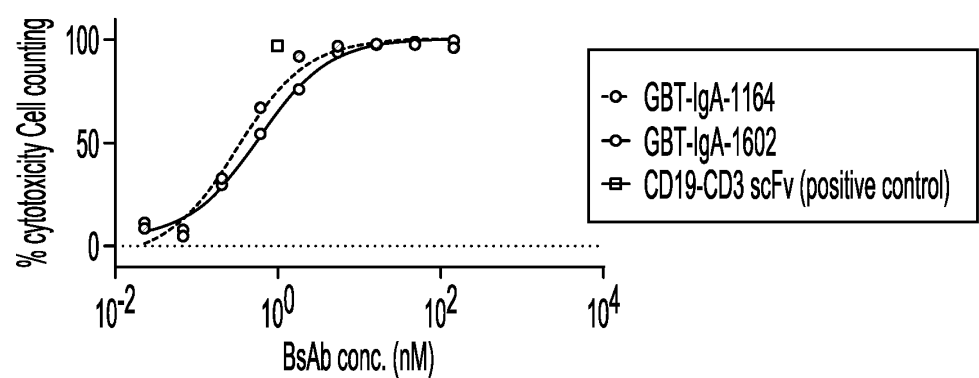


FIG. 13A

Cell kill potency against mlgA⁻ primary human B cells

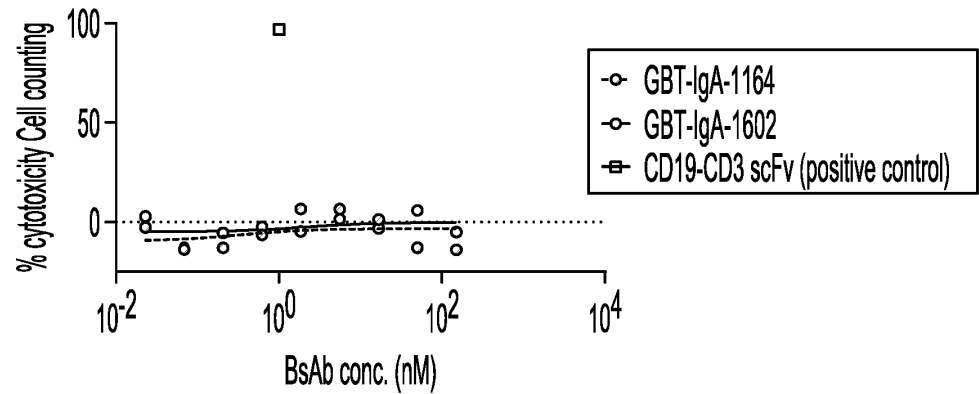


FIG. 13B

	Name	OAA	BiAb	MIGIS RR	Heavy Chain					Light Chain				
Antibody					CDR-H1	CDR-H2	CDR-H3	V _H	MIGIS RR	CDR-L1	CDR-L2	CDR-L3	V _L	LC
GBT-IgA-0020	15E7				22		26	35		27	31	32	36	
GBT-IgA-0034	ET10				22	24	26	37		28	31	32	38	
GBT-IgA-0035	ET17				23	25	26	39		29	31	32	40	
GBT-IgA-0036	ET18				23	25	26	41		30	31	32	42	
GBT-IgA-0033	H05	0070			3	5	6	20		8	10	11	21	57
GBT-IgA-0027	T18	0071	0661	0658	3	5	7	19	56	8	10	11	21	57
GBT-IgA-0032	T25				3	5	7	19		8	10	13	33	
GBT-IgA-0860		1090	1165	1446	2	4	7	15	54	8	10	11	21	57
GBT-IgA-0862	738 cK	0752	1164	1445	2	4	7	18	52	8	10	11	21	57
GBT-IgA-1179		1091	1602	1449	1	4	7	14	48	8	10	11	21	57
GBT-IgA-1524		1572	1623	1470	1	4	7	14	50	9	10	12	34	51

FIG. 14