

28F3 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGMHWVRQAPGKGLEWVAVIWEYSNKKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYFCARGGSMVRGDIYYGMDVWGQGTITVTVSS
18E10 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGMHWVRQAPGKGLEWVAVIWEYSNKKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYFCARGGRIAVAFYYSMVWGQGTITVTVSS
19D3 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGMHWVRQAPGKGLEWVAVIWEYSNKKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYFCARGGQLDYIIYYVMDVWGQGTITVTVSS
VL: 28F3 AIQLTQSPSSLSASVGDRTITCRASQGISSALAWYQQKPKAPKLLIYDASSLESGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQFNSTPYTFGGQTKLEIK
18E10 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQQKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSTPYTFGGQTKLEIK
19D3 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQQKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSTPYTFGGQTKLEIK

Figure 1

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Anti-GITR 28F3 VH (hIgG2)

V segment: 3-33

D segment: 3-10

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC
	_CDR1_____																
52	L	R	L	S	C	A	A	S	G	F	T	F	S	S	Y	G	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAT	GGC	ATG
	_CDR2_____																
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA

154	W	Y	E	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F
	TGG	TAT	GAA	GGA	AGT	AAT	AAA	TAT	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC

205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC
	_CDR3_____																
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	M
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGG	AGT	ATG

307	V	R	G	D	Y	Y	Y	G	M	D	V	W	G	Q	G	T	T
	GTT	CGG	GGG	GAC	TAC	TAC	TAC	GGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG

358	V	T	V	S	S												
	GTC	ACC	GTC	TCC	TCA												

Figure 2A

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Anti-GITR 28F3 VK (hKappa)

V segment: L18

J segment: JK2

1	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GCC	ATC	CAG	TTG	ACC	CAG	TCT	CCA	TCC	TCC	CTG	TCT	GCA	TCT	GTA	GGA	GAC
	CDR1																
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	A	L	A
	AGA	GTC	ACC	ATC	ACT	TGC	CGG	GCA	AGT	CAG	GGC	ATT	AGC	AGT	GCT	TTA	GCC
	CDR2																
103	W	Y	Q	Q	K	P	G	K	A	P	K	L	L	I	Y	D	A
	TGG	TAT	CAG	CAG	AAA	CCA	GGG	AAA	GCT	CCT	AAG	CTC	CTG	ATC	TAT	GAT	GCC
	CDR3																
154	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	GAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
	CDR3																
256	Y	Y	C	Q	Q	F	N	S	Y	P	Y	T	F	G	Q	G	T
	TAT	TAC	TGT	CAA	CAG	TTT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 2B

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Anti-GITR 18E10 VH (hIgG2)

V segment: 3-33

D segment: 6-19

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC	
52	L	R	L	S	C	A	A	S	G	F	T	F	S	_CDR1_				
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAT	GGC	ATG	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I	
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA	
154	W	Y	A	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	
	TGG	TAT	GCT	GGA	AGT	AAT	AAA	TAC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	_CDR3_				
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGG	CGT	ATA	
307	A	V	A	F	Y	Y	S	M	D	V	W	G	Q	G	T	T	V	
	GCA	GTG	GCC	TTC	TAC	TAC	AGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	GTC	
358	T	V	S	S														
	ACC	GTC	TCC	TCA														

Figure 3A

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Anti-GITR 18E10 VK (hKappa)

V segment: L15

J segment: JK2

1	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TCA	CTG	TCT	GCA	TCT	GTA	GGA	GAC
							CDR1										
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	W	L	A
	AGA	GTC	ACC	ATC	ACT	TGT	CGG	GCG	AGT	CAG	GGT	ATT	AGC	AGC	TGG	TTA	GCC
															CDR2		
103	W	Y	Q	Q	K	P	E	K	A	P	K	S	L	I	Y	A	A
	TGG	TAT	CAG	CAG	AAA	CCA	GAG	AAA	GCC	CCT	AAG	TCC	CTG	ATC	TAT	GCT	GCA
154	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	CAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
							CDR3										
256	Y	Y	C	Q	Q	Y	N	S	Y	P	Y	T	F	G	Q	G	T
	TAT	TAC	TGC	CAA	CAG	TAT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 3B

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Anti-GITR 19D3 VH (hIgG2)

V segment: 3-33

D segment: 3-16

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAA	CCT	GGG	AGG	TCC	
	_CDR1_____																	
52	L	R	L	S	C	A	A	S	G	F	T	F	S	S	Y	G	F	
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAT	GGC	TTC	
	_CDR2_____																	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I	
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA	

154	W	Y	A	G	S	N	K	F	Y	A	D	S	V	K	G	R	F	
	TGG	TAT	GCT	GGA	AGT	AAT	AAA	TTC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	

205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC	
	_CDR3_____																	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	Q	L	
	CTA	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGA	CAG	TTG	

307	D	Y	Y	Y	Y	Y	V	M	D	V	W	G	Q	G	T	T	V	
	GAC	TAC	TAC	TAC	TAT	TAC	GTT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	GTC	

358	T	V	S	S														
	ACC	GTC	TCC	TCA														

Figure 4A

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Anti-GITR 19D3 VK (hKappa)

V segment: L15

J segment: JK2

1	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TCA	CTG	TCT	GCA	TCT	GTA	GGA	GAC
							CDR1										
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	W	L	A
	AGA	GTC	ACC	ATC	ACT	TGT	CGG	GCG	AGT	CAG	GGT	ATT	AGC	AGC	TGG	TTA	GCC
															CDR2		
103	W	Y	Q	Q	K	P	E	K	A	P	K	S	L	I	Y	A	A
	TGG	TAT	CAG	CAG	AAA	CCA	GAG	AAA	GCC	CCT	AAG	TCC	CTG	ATC	TAT	GCT	GCA
154	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	CAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
							CDR3										
256	Y	Y	C	Q	Q	Y	N	S	Y	P	Y	T	F	G	Q	G	T
	TAT	TAC	TGC	CAA	CAG	TAT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 4B

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Anti-GITR 3C3 VH (hIgG1)

V segment: 4-34

J segment: JH3b

```
1      CAG GTG CAA CTA CAG CAG TGG GGC GCA GGA CTG TTG AAG CCT TCG GAG ACC
      L   S   L   T   C   A   V   Y   G   G   S   F   S   _CDR1_
52     CTG TCC CTC ACC TGC GCT GTC TAT GGT GGG TCC TTC AGT GGT TAC TAC TGG
      T   W   I   R   Q   P   P   G   K   G   L   E   W   I   G   _CDR2_
103    ACC TGG ATC CGC CAG CCC CCA GGG AAG GGG CTG GAG TGG ATT GGG AAA ATC
      N   H   S   G   N   T   N   Y   N   P   S   L   K   S   R   V   T
154    AAT CAT AGT GGA AAC ACC AAC TAC AAC CCG TCC CTC AAG AGT CGA GTC ACC
      I   S   V   D   T   S   K   N   Q   F   S   L   K   L   S   S   V
205    ATA TCA GTA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG AGC TCT GTG
      T   A   A   D   T   A   V   Y   Y   C   A   R   L   G   A   F   D
256    ACC GCC GCG GAC ACG GCT GTG TAT TAC TGT GCG AGA CTG GGG GCC TTT GAT
      A   F   D   I   W   G   Q   G   T   M   V   T   V   S   S
307    GCT TTT GAT ATC TGG GGC CAA GGG ACA ATG GTC ACC GTC TCT TCA
```

Figure 5A

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Anti-GITR 3C3 VK1 (hKappa)

V segment: L15

J segment: JK2

1	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TCA	CTG	TCT	GCA	TCT	GTA	GGA	GAC
							CDR1										
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	W	L	A
	AGA	GTC	ACC	ATC	ACT	TGT	CGG	GCG	AGT	CAG	GGT	ATT	AGC	AGC	TGG	TTA	GCC
																CDR2	
103	W	Y	Q	Q	K	P	E	K	A	P	K	S	L	I	Y	A	A
	TGG	TAT	CAG	CAG	AAA	CCA	GAG	AAA	GCC	CCT	AAG	TCC	CTG	ATC	TAT	GCT	GCA
154	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	CAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
							CDR3										
256	Y	Y	C	Q	Q	Y	N	S	Y	P	Y	T	F	G	Q	G	T
	TAT	TAC	TGC	CAA	CAG	TAT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 5B

Anti-GITR 3C3 VK2 (hKappa)

J segment: JK2

Figure 5C

Anti-GITR 2G6 VH (hIgG1)

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	G	S
	CAG	GTT	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	GGG	TCC
52	L	R	L	S	C	A	A	S	G	F	I	L	S	_CDR1_			
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ATC	TTG	AGT	GAC	TAT	GGC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	T	V	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGA	CTG	GAG	TGG	GTG	ACA	GTT	ATC
154	W	Y	D	G	S	N	K	F	Y	V	D	S	V	K	G	R	F
	TGG	TAT	GAT	GGA	AGT	AAT	AAA	TTC	TAT	GTA	GAC	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	TTG	TAT	CTG	CAA	ATG	AAC	AGC
256	L	R	V	E	D	T	A	V	Y	Y	C	A	R	_CDR3_			
	CTG	AGA	GTC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGA	CGT	CTA
307	A	T	G	H	F	Y	Y	V	M	D	V	W	G	Q	G	T	T
	GCA	ACA	GGT	CAC	TTC	TAC	TAC	GTT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG
358	V	T	V	S	S												
	GTC	ACC	GTC	TCC	TCA												

Figure 6A

Anti-GITR 2G6 VK (hKappa)
V segment: L15
J segment: JK2

Figure 6B

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Anti-GITR 8A6 VH (hIgG2)

V segment: 3-33

D segment: 3-10

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC	
	_CDR1_____																	
52	L	R	L	S	C	T	A	S	G	F	T	F	S	S	Y	G	M	
	CTG	AGA	CTC	TCC	TGT	ACA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAT	GGC	ATG	
	_CDR2_____																	
103	Q	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I	
	CAG	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA	

154	W	Y	E	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	
	TGG	TAT	GAA	GGA	AGT	AAT	AAA	TAC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	

205	T	I	S	R	E	N	S	K	N	T	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAA	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC	
	_CDR3_____																	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	L	M	
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGC	GGT	CTT	ATG	

307	V	R	G	L	F	Y	Y	G	M	D	V	W	G	Q	G	T	T	
	GTT	CGG	GGT	CTC	TTC	TAC	TAC	GGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	

358	V	T	V	S	S													
	GTC	ACC	GTC	TCC	TCA													

Figure 7A

Anti-GITR 8A6 VK (hKappa)

V segment: L18

J segment: JK2

1	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GCC	ATC	CAG	TTG	ACC	CAG	TCT	CCA	TCC	TCC	CTG	TCT	GCA	TCT	GTA	GGA	GAC
	CDR1																
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	A	L	A
	AGA	GTC	ACC	ATC	ACT	TGC	CGG	GCA	AGT	CAG	GGC	ATT	AGC	AGT	GCT	TTA	GCC
	CDR2																
103	W	Y	Q	Q	K	P	G	K	A	P	K	F	L	I	Y	D	A
	TGG	TAT	CAG	CAG	AAA	CCA	GGG	AAA	GCT	CCT	AAG	TTC	CTG	ATC	TAT	GAT	GCC
	CDR3																
154	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	GAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
	CDR4																
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
	CDR5																
256	Y	Y	C	Q	Q	F	N	S	Y	P	Y	T	F	G	Q	G	T
	TAT	TAC	TGT	CAA	CAG	TTT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC
	CDR6																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 7B

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Anti-GITR 9G7 VH (hIgG4)

V segment: 3-15

D segment: 3-10

J segment: JH6b

1	E	V	Q	L	V	E	S	G	G	G	L	V	K	P	G	G	S
	GAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	TTA	GTA	AAG	CCT	GGG	GGG	TCC
	CDR1																
52	L	R	L	S	C	A	A	S	G	F	T	F	S	T	V	W	M
	CTT	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACT	TTC	AGT	ACC	GTC	TGG	ATG
	CDR2																
103	S	W	V	R	Q	A	P	G	K	G	L	E	W	V	G	R	I
	AGC	TGG	GTC	CGC	CAG	GCT	CCA	GGG	AAG	GGG	CTG	GAG	TGG	GTT	GGC	CGT	ATT
	CDR3																
154	K	S	K	T	D	G	G	T	T	D	Y	A	A	P	V	K	G
	AAA	AGC	AAA	ACT	GAT	GGT	GGG	ACA	ACA	GAC	TAC	GCT	GCA	CCC	GTG	AAA	GGC
205	R	F	T	I	S	R	D	D	S	K	N	T	L	Y	L	Q	M
	AGA	TTC	ACC	ATC	TCA	AGA	GAT	GAT	TCA	AAA	AAC	ACG	CTG	TAT	CTG	CAA	ATG
	CDR3																
256	N	S	L	H	T	E	D	T	A	V	Y	Y	C	T	T	G	Q
	AAC	AGC	CTG	CAC	ACC	GAG	GAC	ACA	GCC	GTG	TAT	TAC	TGT	ACC	ACA	GGG	CAG
	CDR3																
307	L	I	P	Y	S	Y	Y	Y	G	M	D	V	W	G	Q	G	T
	CTG	ATC	CCT	TAC	TCC	TAC	TAC	TAC	GGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC
358	S	V	T	V	S	S											
	TCG	GTC	ACC	GTC	TCC	TCA											

Figure 8A

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Anti-GITR 9G7 VK1 (hKappa)

V segment: A27

J segment: JK1

E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E				
1		GAA	ATT	GTG	TTG	ACG	CAG	TCT	CCA	GGC	ACC	CTG	TCT	TTG	TCT	CCA	GGG	GAA		
								CDR1												
52		R	A	T	L	S	C	R	A	S	Q	S	V	S	S	S	Y	L		
		AGA	GCC	ACC	CTC	TCC	TGC	AGG	GCC	AGT	CAG	AGT	GTT	AGC	AGC	AGC	TAC	TTA		
																	CDR2			
103		A	W	Y	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	G		
		GCC	TGG	TAC	CAG	CAG	AAA	CCT	GGC	CAG	GCT	CCC	AGG	CTC	CTC	ATC	TAT	GGT		
154		A	S	S	R	A	T	G	I	P	D	R	F	S	G	S	G	S		
		GCA	TCC	AGC	AGG	GCC	ACT	GGC	ATC	CCA	GAC	AGG	TTC	AGT	GGC	AGT	GGG	TCT		
205		G	T	D	F	T	L	T	I	S	R	L	E	P	E	D	F	A		
		GGG	ACA	GAC	TTC	ACT	CTC	ACC	ATC	AGC	AGA	CTG	GAG	CCT	GAA	GAT	TTT	GCA		
256		V	Y	Y	C	Q	Q	Y	G	S	S	P	W	T	F	G	Q	G		
		GTG	TAT	TAC	TGT	CAG	CAG	TAT	GGT	AGC	TCA	CCG	TGG	ACG	TTC	GGC	CAA	GGG		
307		T	K	V	E	I	K													
		ACC	AAG	GTG	GAA	ATC	AAA													

Figure 8B

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Anti-GITR 9G7 VK2 (hKappa)

V segment: A27

J segment: JK5

1	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E
	GAA	ATT	GTG	TTG	ACG	CAG	TCT	CCA	GGC	ACC	CTG	TCT	TTG	TCT	CCA	GGG	GAA
	CDR1																
52	R	A	T	L	S	C	R	A	S	Q	S	V	T	S	S	Y	L
	AGA	GCC	ACC	CTC	TCC	TGC	AGG	GCC	AGT	CAG	AGT	GTT	ACC	AGC	AGC	TAC	TTA
	_CDR2																
103	A	W	Y	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	G
	GCC	TGG	TAC	CAG	CAG	AAA	CCT	GGC	CAG	GCT	CCC	AGG	CTC	CTC	ATC	TAT	GGT
	CDR3																
154	A	S	S	R	A	T	G	I	P	E	R	F	S	G	S	G	S
	GCA	TCC	AGC	AGG	GCC	ACT	GGC	ATC	CCA	GAG	AGG	TTC	AGT	GGC	AGT	GGG	TCT
205	G	T	D	F	T	L	T	I	S	R	L	E	P	E	D	F	A
	GGG	ACA	GAC	TTC	ACT	CTC	ACC	ATC	AGC	AGA	CTG	GAG	CCT	GAA	GAT	TTT	GCA
256	V	Y	Y	C	Q	Q	Y	G	S	S	P	I	T	F	G	Q	G
	GTG	TAT	TAC	TGT	CAG	CAG	TAT	GGT	AGC	TCA	CCG	ATC	ACC	TTC	GGC	CAA	GGG
307	T	R	L	E	I	K											
	ACA	CGA	CTG	GAG	ATT	AAA											

Figure 8C

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V segment: 4-34
J segment: JH3b

1	Q	V	Q	L	Q	Q	W	G	A	G	L	L	K	P	S	E	T
	CAG	GTG	CAG	CTA	CAG	CAG	TGG	GGC	GCA	GGA	CTG	TTG	AAG	CCT	TCG	GAG	ACC
52	L	S	L	T	C	A	V	Y	G	G	S	F	S	G	Y	Y	W
	CTG	TCC	CTC	ACC	TGC	GCT	GTC	TAT	GGT	GGG	TCC	TTC	AGT	GGT	TAC	TAC	TGG
103	S	W	I	R	Q	P	P	G	K	G	L	E	W	I	G	E	I
	AGC	TGG	ATC	CGC	CAG	CCC	CCA	GGG	AAG	GGG	CTG	GAG	TGG	ATT	GGA	GAA	ATC
154	N	H	S	G	N	T	Y	Y	N	P	S	L	K	S	R	V	T
	AAT	CAT	AGT	GGA	AAC	ACC	TAC	TAC	AAC	CCG	TCC	CTC	AAG	AGT	CGC	GTC	ACC
205	I	S	V	D	T	S	K	N	Q	L	S	L	K	L	S	S	V
	ATA	TCA	GTA	GAC	ACG	TCC	AAG	AAC	CAG	TTA	TCC	CTG	AAG	CTG	AGC	TCT	GTG
256	T	A	A	D	T	A	V	Y	Y	C	A	R	F	G	S	N	D
	ACC	GCC	GCG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	TTT	GGG	AGT	AAT	GAT
307	A	F	D	I	W	G	Q	G	T	M	V	T	V	S	S		
	GCT	TTT	GAT	ATC	TGG	GGC	CAA	GGG	ACA	ATG	GTC	ACC	GTC	TCT	TCA		

Figure 9A

Anti-GITR 14E3 VK (hKappa)
V segment: L15
J segment: JK1

Figure 9B

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC	
52	L	R	L	S	C	A	A	S	G	F	T	F	S	_CDR1_				
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	ATG	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	M	A	V	I	
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	ATG	GCA	GTT	ATA	
154	W	Y	G	G	S	N	K	F	Y	A	D	S	V	K	G	R	F	
	TGG	TAT	GGT	GGA	AGT	AAT	AAA	TTC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	S	K	N	S	L	S	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	TCG	CTG	TCT	CTG	CAA	ATG	AAC	AGC	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	_CDR3_				
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGG	GCT	ATG	
307	V	R	G	V	Y	Y	Y	G	M	D	V	W	G	Q	G	T	T	
	GTT	CGG	GGA	GTC	TAC	TAC	TAC	GGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	
358	V	T	V	S	S													
	GTC	ACC	GTC	TCC	TCA													

Figure 10A

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Anti-GITR 19H8 VK1 (hKappa)

V segment: L18

J segment: JK1

1	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D
	GCC	ATC	CAG	TTG	ACC	CAG	TCT	CCA	TCC	TCC	CTG	TCT	GCA	TCT	GTA	GGA	GAC
							CDR1										
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	A	L	A
	AGA	GTC	ACC	ATC	ACT	TGC	CGG	GCA	AGT	CAG	GGC	ATT	AGC	AGT	GCT	TTA	GCC
																CDR2	
103	W	Y	Q	Q	K	P	G	K	A	P	K	F	L	I	Y	D	A
	TGG	TAT	CAG	CAG	AAA	CCA	GGG	AAA	GCT	CCT	AAG	TTC	CTG	ATC	TAT	GAT	GCC
154	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G
	TCC	AGT	TTG	GAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT
							CDR3										
256	Y	Y	C	Q	Q	F	N	S	Y	P	Q	T	F	G	Q	G	T
	TAT	TAC	TGT	CAA	CAG	TTT	AAT	AGT	TAC	CCT	CAG	ACG	TTC	GGC	CAA	GGG	ACC
307	K	V	E	I	K												
	AAG	GTG	GAA	ATC	AAA												

Figure 10B

Anti-GITR 19H8 VK2 (hKappa)
V segment: L6
J segment: JK4

1	E GAA	I ATT	V GTG	L TTG	T ACA	Q CAG	S TCT	P CCA	A GCC	T ACC	L CTG	S TCT	L TTG	S TCT	P CCA	G GGG	E GAA	
	<hr/>																	
52	R AGA	A GCC	T ACC	L CTC	S TCC	C TGC	<u>_CDR1_</u>											A GCC
	<hr/>																	
103	W TGG	Y TAC	Q CAA	Q CAG	K AAA	P CCT	G GGC	Q CAG	A GCT	P CCC	R AGG	L CTC	L CTC	I ATC	Y TAT	D GAT	A GCA	
	<hr/>																	
154	S TCC	N AAC	R AGG	A GCC	T ACT	G GGC	I ATC	P CCA	A GCC	R AGG	F TTC	S AGT	G GGC	S AGT	G GGG	S TCT	G GGG	
	<hr/>																	
205	T ACA	D GAC	F TTC	T ACT	L CTC	T ACC	I ATC	S AGC	S AGC	L CTA	E GAG	P CCT	E GAA	D GAT	F TTT	A GCA	V GTT	
	<hr/>																	
256	Y TAT	Y TAC	C TGT	Q CAG	Q CAG	R CGT	S AGC	N AAC	W TGG	P CCG	L CTC	T ACT	F TTC	G GGC	G GGA	G GGG	T ACC	
	<hr/>																	
307	K AAG	V GTG	E GAG	I ATC	K AAA													

Figure 10C

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Anti-GITR 6G10 VH (hIgG2)

V segment: 3-33

D segment: 3-10

J segment: JH6b

1	Q	V	Q	L	V	E	S	G	G	D	V	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GAC	GTG	GTC	CAG	CCT	GGG	AGG	TCC	
	CDR1																	
52	L	R	L	S	C	A	A	S	G	F	T	F	S	T	Y	G	M	
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	ACC	TAT	GGC	ATG	
	CDR2																	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	T	
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ACA	
	CDR3																	
154	W	Y	A	G	S	N	K	F	Y	A	D	S	V	K	G	R	F	
	TGG	TAT	GCT	GGA	AGT	AAT	AAA	TTT	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC	
	CDR3																	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	M	
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGA	GGT	AGT	ATG	
	CDR3																	
307	V	R	G	L	Y	Y	Y	G	M	D	V	W	G	Q	G	T	T	
	GTT	CGG	GGA	CTT	TAT	TAT	TAC	GGT	ATG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	
358	V	T	V	S	S													
	GTC	ACC	GTC	TCC	TCA													

Figure 11A

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Anti-GITR 6G10 VK1 (hKappa)

V segment: L18

J segment: JK2

1	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D		
	GCC	ATC	CAG	TTG	ACC	CAG	TCT	CCA	TCC	TCC	CTG	TCT	GCA	TCT	GTA	GGA	GAC		
							CDR1												
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	A	L	A		
	AGA	GTC	ACC	ATC	ACT	TGC	CGG	GCA	AGT	CAG	GGC	ATT	AGC	AGT	GCT	TTA	GCC		
															CDR2				
103	W	Y	Q	Q	K	P	G	K	A	P	K	L	L	I	Y	D	A		
	TGG	TAT	CAG	CAG	AAA	CCA	GGG	AAA	GCT	CCT	AAG	CTC	CTG	ATC	TAT	GAT	GCC		
154	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G		
	TCC	AGT	TTG	GAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG		
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T		
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT		
							CDR3												
256	Y	Y	C	Q	Q	F	N	S	Y	P	Y	T	F	G	Q	G	T		
	TAT	TAC	TGT	CAA	CAG	TTT	AAT	AGT	TAC	CCG	TAC	ACT	TTT	GGC	CAG	GGG	ACC		
307	K	L	E	I	K														
	AAG	CTG	GAG	ATC	AAA														

Figure 11B

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Anti-GITR 28F3 VH (hIgG2)

3-33	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A
28F3 VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<u>CDR1</u>																					
3-33	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E
28F3 VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<u>CDR2</u>																					
3-33	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T
28F3 VH	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-33	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A
28F3 VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<u>CDR3</u>																					
3-33	V	Y	Y	C	A	R																	
3-10							M				V	R	G										
JH6											Y				Y	Y	G	M	D	V	W	G	
28F3 VH	-	-	-	-	-	-	G	G	S	-	-	-	-	D	-	-	-	-	-	-	-	-	-
JH6	Q	G	T	T	V	T	V	S	S														
28F3 VH	-	-	-	-	-	-	-	-	-														

Figure 12

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Anti-GITR 28F3 VK (hKappa)

L18	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
28F3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
L18	R	A	S	Q	G	I	S	S	A	L	A	W	Y	Q	Q	K	P	G	K	A	P	K	L
28F3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
L18	L	I	Y	D	A	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G	T
28F3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
L18	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	F	N
28F3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
L18	N	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
28F3 VK	S	-	P	-	-	-	-	-	-	-	-	-	-	-	-								

Figure 13

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Anti-GITR 18E10 VH (hIgG2)

[illegible]

Figure 14

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Anti-GITR 18E10 VK (hKappa)

L15	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
18E10 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>CDR1</u>																							
L15	R	A	S	Q	G	I	S	S	W	L	A	W	Y	Q	Q	K	P	E	K	A	P	K	S
18E10 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>CDR2</u>																							
L15	L	I	Y	A	A	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	T
18E10 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>CDR3</u>																							
L15	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	Y	N
18E10 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L15	S	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
18E10 VK	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Figure 15

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Anti-GITR 19D3 VH (hIgG2)

3-33	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A
19D3	VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
3-33	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E
19D3	VH	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
3-33	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T
19D3	VH	-	-	-	-	-	-	A	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-
<hr/>																							
3-33	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A
19D3	VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																							
3-33	V	Y	Y	C	A	R	<hr/>																
3-16											D	Y											
JH6											Y	Y	Y	Y	Y	G	M	D	V	W	G	Q	
19D3	VH	-	-	-	-	-	G	G	Q	L	-	-	-	-	-	-	V	-	-	-	-	-	-
<hr/>																							
JH6	G	T	T	V	T	V	S	S															
19D3	VH	-	-	-	-	-	-	-															

Figure 16

Anti-GITR 19D3 VK (hKappa)

L15	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
19D3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR1																							
L15	R	A	S	Q	G	I	S	S	W	L	A	W	Y	Q	Q	K	P	E	K	A	P	K	S
19D3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR2																							
L15	L	I	Y	A	A	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	T
19D3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR3																							
L15	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	Y	N
19D3 VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L15	S	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
19D3 VK	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-								

Figure 17

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Anti-GITR 3C3 VH (hIgG1)

4-34 INPUT	Q	V	Q	L	Q	Q	W	G	A	G	L	L	K	P	S	E	T	L	S	L	T	C	A
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	V	Y	G	G	S	F	S	<u>_CDR1_</u>					W	I	R	Q	P	P	G	K	G	L	E
	-	-	-	-	-	-	-	G	Y	Y	W	S	W	I	R	Q	P	P	G	K	G	L	E
	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	W	I	G	<u>_CDR2_</u>														R	V	T	I		
	-	-	-	E	I	N	H	S	G	S	T	N	Y	N	P	S	L	K	S	R	V	T	I
	-	-	-	K	-	-	-	-	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	S	V	D	T	S	K	N	Q	F	S	L	K	L	S	S	V	T	A	A	D	T	A	V
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 JH3	Y	Y	C	A	R	<u>_CDR3_</u>																	
INPUT	-	-	-	-	-	L	G	A	F	D	A	F	D	I	W	G	Q	G	T	M	V	T	V
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JH3 INPUT	S	S																					
	-	-																					

Figure 18

Anti-GITR 3C3 VK1 (hKappa)

L15	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR1</u>																						
L15	R	A	S	Q	G	I	S	S	W	L	A	W	Y	Q	Q	K	P	E	K	A	P	K	S
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR2</u>																						
L15	L	I	Y	A	A	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR3</u>																						
L15	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	Y	N
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR4</u>																						
L15	S	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
INPUT	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Figure 19A

Anti-GITR 3C3 VK2 (hKappa)

L20	E	I	V	L	T	Q	S	P	A	T	L	S	L	S	P	G	E	R	A	T	L	S	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR1_</u>																						
L20	R	A	S	Q	G	V	S	S	Y	L	A	W	Y	Q	Q	K	P	G	Q	A	P	R	L
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR2_</u>																						
L20	L	I	Y	D	A	S	N	R	A	T	G	I	P	A	R	F	S	G	S	G	P	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR3_</u>																						
L20	D	F	T	L	T	I	S	S	L	E	P	E	D	F	A	V	Y	Y	C	Q	Q	R	S
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L20	<u> </u>																						
JK2	N	W																					
				T	F	G	Q	G	T	K	L	E	I	K									
INPUT	-	-	H	-	-	-	-	-	-	-	-	-	-	-									

Figure 19B

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Anti-GITR 2G6 VH (hIgG2)

3-33 INPUT	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	-	-	-	-	-	
	CDR1																							
3-33 INPUT	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E	
	-	-	-	-	I	L	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	CDR2																							
3-33 INPUT	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T	
	-	-	T	-	-	-	-	-	-	-	-	-	F	-	V	-	-	-	-	-	-	-	-	
3-33 INPUT	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	-	-	-	-	
	CDR3																							
3-33 JH6 INPUT	V	Y	Y	C	A	R											Y	Y	G	M	D	V	W	G
	-	-	-	-	-	-	G	G	R	L	A	T	G	H	F		-	-	V	-	-	-	-	-
JH6 INPUT	Q	G	T	T	V	T	V	S	S															
	-	-	-	-	-	-	-	-	-															

Figure 20

35/102**Anti-GITR 2G6 VK (hKappa)**

L15	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR1</u>																						
L15	R	A	S	Q	G	I	S	S	W	L	A	W	Y	Q	Q	K	P	E	K	A	P	K	S
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR2</u>																						
L15	L	I	Y	A	A	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR3</u>																						
L15	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	Y	N
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR4</u>																						
L15	S	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
INPUT	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-								

Figure 21

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Anti-GITR 8A6 VH (hIgG2)

3-33 INPUT	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	
3-33 INPUT	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E	
	-	-	-	-	-	-	-	-	-	-	-	Q	-	-	-	-	-	-	-	-	-	-	-	
3-33 INPUT	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T	
	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-33 INPUT	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A	
	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-33 3-10 JH6 INPUT	V	Y	Y	C	A	R					M	V	R	G			Y	Y	G	M	D	V	W	G
	-	-	-	-	-	-	G	G	L	-	-	-	-	L	F	-	-	-	-	-	-	-	-	-
JH6 INPUT	Q	G	T	T	V	T	V	S	S															
	-	-	-	-	-	-	-	-	-															

Figure 22

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Anti-GITR 8A6 VK (hKappa)

L18	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR1</u>																						
L18	R	A	S	Q	G	I	S	S	A	L	A	W	Y	Q	Q	K	P	G	K	A	P	K	L
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
	<u>CDR2</u>																						
L18	L	I	Y	D	A	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR3</u>																						
L18	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	F	N
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR4</u>																						
L18	N	Y																					
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
INPUT	S	-	P	-	-	-	-	-	-	-	-	-	-	-	-								

Figure 23

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Anti-GITR 9G7 VH (hIgG4)

3-15 INPUT	E	V	Q	L	V	E	S	G	G	G	L	V	K	P	G	G	S	L	R	L	S	C	A					
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
3-15 INPUT	A	S	G	F	T	F	S	<u>CDR1</u>					N	A	W	M	S	W	V	R	Q	A	P	G	K	G	L	E
	-	-	-	-	-	-	-	T	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-15 INPUT	W	V	G	R	I	K	S	K	T	D	G	G	T	T	D	Y	A	A	P	V	K	G	R					
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
3-15 INPUT	F	T	I	S	R	D	D	S	K	N	T	L	Y	L	Q	M	N	S	L	K	T	E	D					
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	H	-	-	-					
3-15 3-10 JH6 INPUT	T	A	V	Y	Y	C	T	T	<u>CDR3</u>																			
																	Y	Y	Y	G								
									G	Q	L	I	P		Y	Y	Y	Y	Y	G	M	D	V	W				
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
JH6 INPUT	G	Q	G	T	T	V	T	V	S	S																		
	-	-	-	-	S	-	-	-	-	-																		

Figure 24

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Anti-GITR 9G7 VK1 (hKappa)

A27	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E	R	A	T	L	S	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR1</u>																						
A27	R	A	S	Q	S	V	S	S	S	Y	L	A	W	Y	Q	Q	K	P	G	Q	A	P	R
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR2</u>																						
A27	L	L	I	Y	G	A	S	S	R	A	T	G	I	P	D	R	F	S	G	S	G	S	G
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																					<u>CDR3</u>		
A27	T	D	F	T	L	T	I	S	R	L	E	P	E	D	F	A	V	Y	Y	C	Q	Q	Y
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u> </u>																						
A27	G	S	S																				
JK1					W	T	F	G	Q	G	T	K	V	E	I	K							
INPUT	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-							

Figure 25A

Anti-GITR 9G7 VK2 (hKappa)

A27	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E	R	A	T	L	S	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR1_</u>																						
A27	R	A	S	Q	S	V	S	S	S	Y	L	A	W	Y	Q	Q	K	P	G	Q	A	P	R
INPUT	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR2_</u>																						
A27	L	L	I	Y	G	A	S	S	R	A	T	G	I	P	D	R	F	S	G	S	G	S	G
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	-
	<u>_CDR3_</u>																						
A27	T	D	F	T	L	T	I	S	R	L	E	P	E	D	F	A	V	Y	Y	C	Q	Q	Y
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A27	G	S	S																				
JK5					I	T	F	G	Q	G	T	R	L	E	I	K							
INPUT	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-							

Figure 25B

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Anti-GITR 14E3 VH (hIgG1)

4-34 INPUT	Q	V	Q	L	Q	Q	W	G	A	G	L	L	K	P	S	E	T	L	S	L	T	C	A
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	V	Y	G	G	S	F	S	<u>_CDR1_</u>					W	I	R	Q	P	P	G	K	G	L	E
	-	-	-	-	-	-	-	G	Y	Y	W	S	W	I	R	Q	P	P	G	K	G	L	E
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	W	I	G	E	I	N	H	S	G	S	T	N	Y	N	P	S	L	K	S	R	V	T	I
	-	-	-	-	-	-	-	-	-	N	-	Y	-	-	-	-	-	-	-	-	-	-	-
4-34 INPUT	S	V	D	T	S	K	N	Q	F	S	L	K	L	S	S	V	T	A	A	D	T	A	V
	-	-	-	-	-	-	-	-	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-34 JH3	Y	Y	C	A	R	<u>_CDR3_</u>																	
INPUT	-	-	-	-	-	F	G	S	N	D	A	F	D	I	W	G	Q	G	T	M	V	T	V
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JH3 INPUT	S	S																					
	-	-																					

Figure 26

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Anti-GITR 14E3 VK (hKappa)

L15	D	I	Q	M	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C		
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<u>CDR1</u>																								
L15	R	A	S	Q	G	I	S	S	W	L	A	W	Y	Q	Q	K	P	E	K	A	P	K	S		
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<u>CDR2</u>																								
L15	L	I	Y	A	A	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	T		
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
																					<u>CDR3</u>				
L15	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	Y	N		
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<u> </u>																								

Figure 27

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Anti-GITR 19H8 VH (hIgG2)

3-33 INPUT	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-33 INPUT	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E
	-	-	-	-	-	-	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-33 INPUT	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T
	-	M	-	-	-	-	-	G	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-
3-33 INPUT	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A
	-	-	-	-	-	-	-	-	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
3-33 3-10 JH6 INPUT	V	Y	Y	C	A	R																	

Figure 28

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Anti-GITR 19H8 VK1 (hKappa)

L18	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR1</u>																						
L18	R	A	S	Q	G	I	S	S	A	L	A	W	Y	Q	Q	K	P	G	K	A	P	K	L
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F
	<u>CDR2</u>																						
L18	L	I	Y	D	A	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR3</u>																						
L18	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	F	N
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>CDR4</u>																						
L18	N	Y																					
JK1					T	F	G	Q	G	T	K	V	E	I	K								
INPUT	S	-	P	Q	-	-	-	-	-	-	-	-	-	-	-								

Figure 29A

Anti-GITR 19H8 VK2 (hKappa)

L6	E	I	V	L	T	Q	S	P	A	T	L	S	L	S	P	G	E	R	A	T	L	S	C	
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<u>_CDR1_</u>																							
L6	R	A	S	Q	S	V	S	S	Y	L	A	W	Y	Q	Q	K	P	G	Q	A	P	R	L	
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<u>_CDR2_</u>																							
L6	L	I	Y	D	A	S	N	R	A	T	G	I	P	A	R	F	S	G	S	G	S	G	T	
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				<u>_CDR3_</u>				
L6	D	F	T	L	T	I	S	S	L	E	P	E	D	F	A	V	Y	Y	C	Q	Q	R	S	
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
L6	N	W																						
JK4				L	T	F	G	G	G	T	K	V	E	I	K									
INPUT	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-									

Figure 29B

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Anti-GITR 6G10 VH (hIgG2)

3-33 INPUT	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S	L	R	L	S	C	A									
	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-									
									<u>_CDR1_</u>																							
3-33 INPUT	A	S	G	F	T	F	S	S	Y	G	M	H	W	V	R	Q	A	P	G	K	G	L	E									
	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
									<u>_CDR2_</u>																							
3-33 INPUT	W	V	A	V	I	W	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	T									
	-	-	-	-	T	-	-	A	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-									
3-33 INPUT	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E	D	T	A									
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
										<u>_CDR3_</u>																						
3-33 3-10 JH6 INPUT	V	Y	Y	C	A	R					M	V	R	G			Y	Y	Y	G	M	D	V	W	G							
	-	-	-	-	-	-	G	G	S	-	-	-	-	L	-	-	-	-	-	-	-	-	-	-	-							
JH6 INPUT	Q	G	T	T	V	T	V	S	S																							
	-	-	-	-	-	-	-	-	-																							

Figure 30

Anti-GITR 6G10 VK1 (hKappa)

L18	A	I	Q	L	T	Q	S	P	S	S	L	S	A	S	V	G	D	R	V	T	I	T	C
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR1_</u>																						
L18	R	A	S	Q	G	I	S	S	A	L	A	W	Y	Q	Q	K	P	G	K	A	P	K	L
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR2_</u>																						
L18	L	I	Y	D	A	S	S	L	E	S	G	V	P	S	R	F	S	G	S	G	S	G	T
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>_CDR3_</u>																						
L18	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	Q	Q	F	N
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L18	N	Y																					
JK2			Y	T	F	G	Q	G	T	K	L	E	I	K									
INPUT	S	-	P	-	-	-	-	-	-	-	-	-	-	-									

Figure 31

Binding of GITR mAbs to activated human T cells

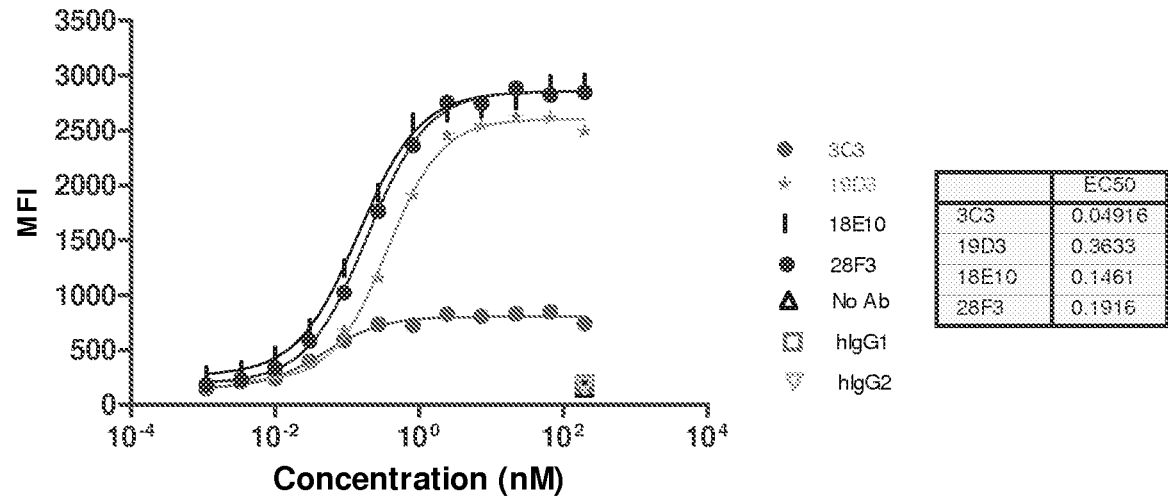


Figure 32

Binding of GITR mAbs to activated cyno T cells

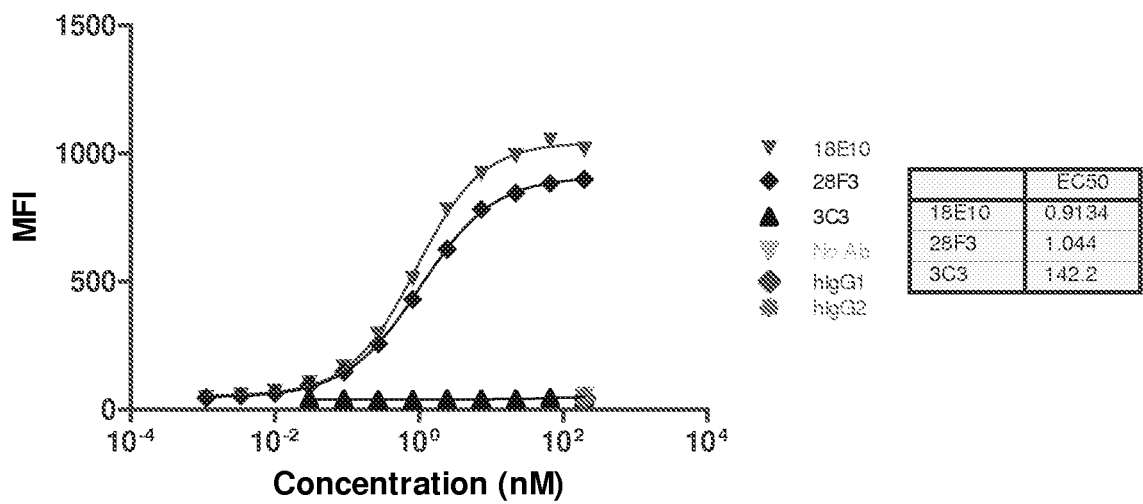


Figure 33

GITR HuMabs block the binding of GITRL to GITR-3A9 cells

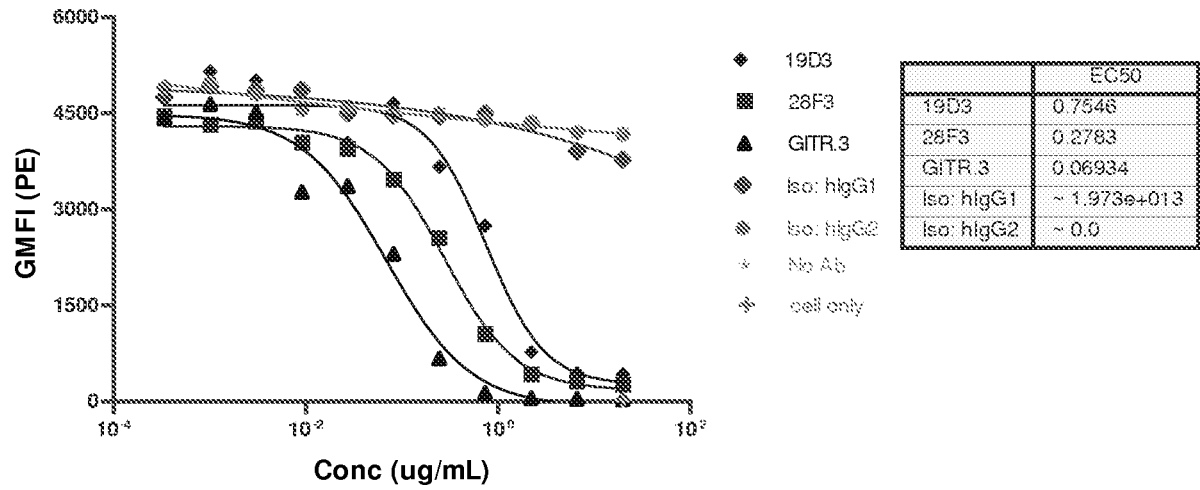


Figure 34A

GITR HuMabs inhibit the binding of GITRL to GITR-3A9 cells

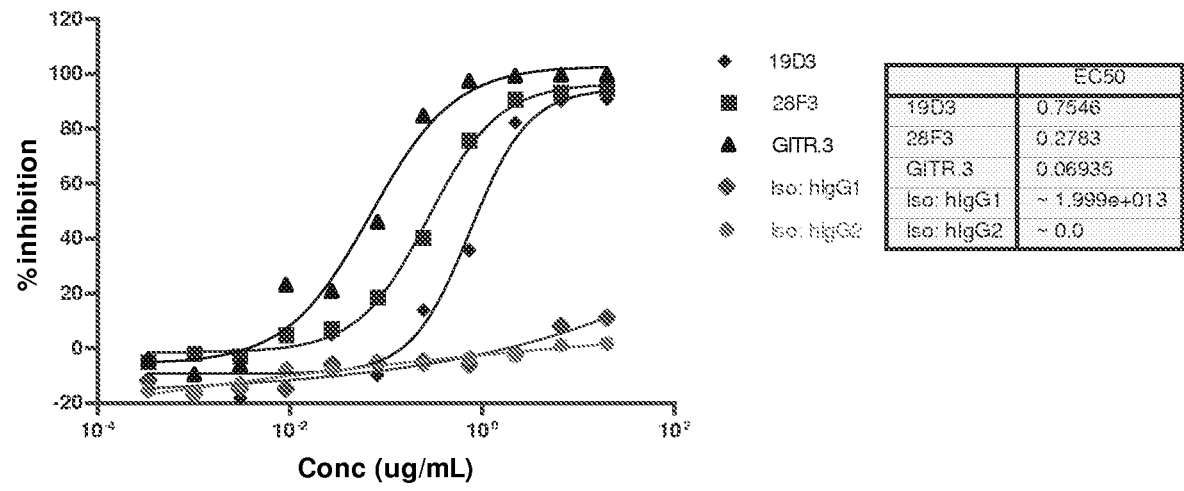
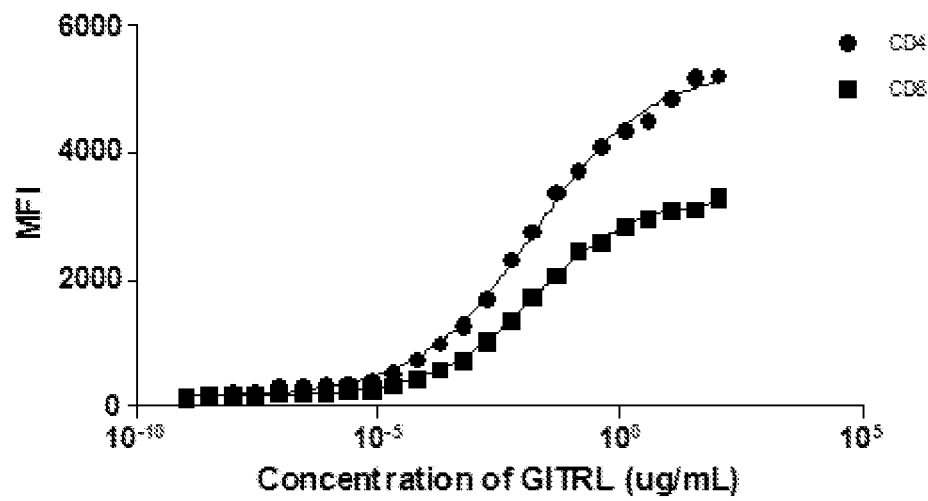


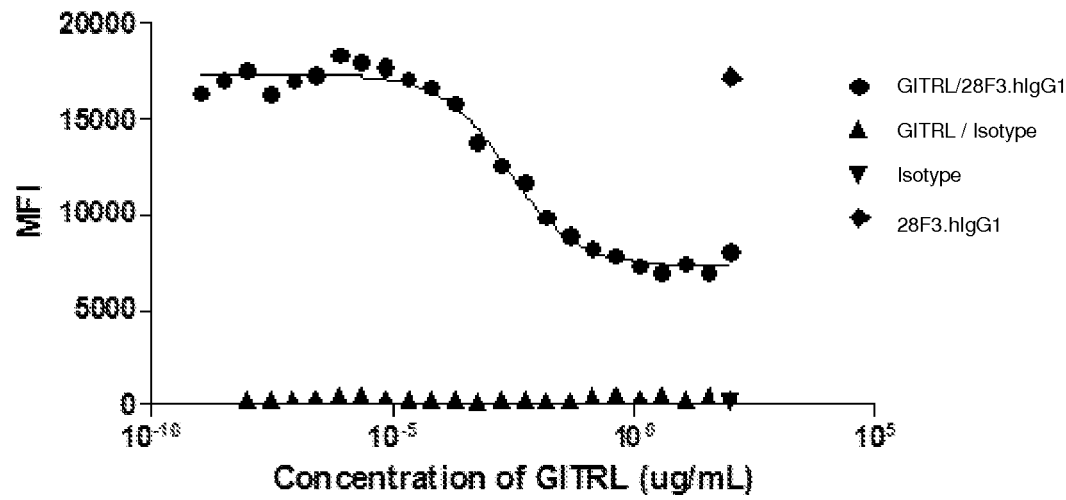
Figure 34B

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	CD4	CD8
IC50	0.01605	0.01635

Figure 34C



	GITRL/28F3.hlgG1
IC50	0.002440

Figure 34D

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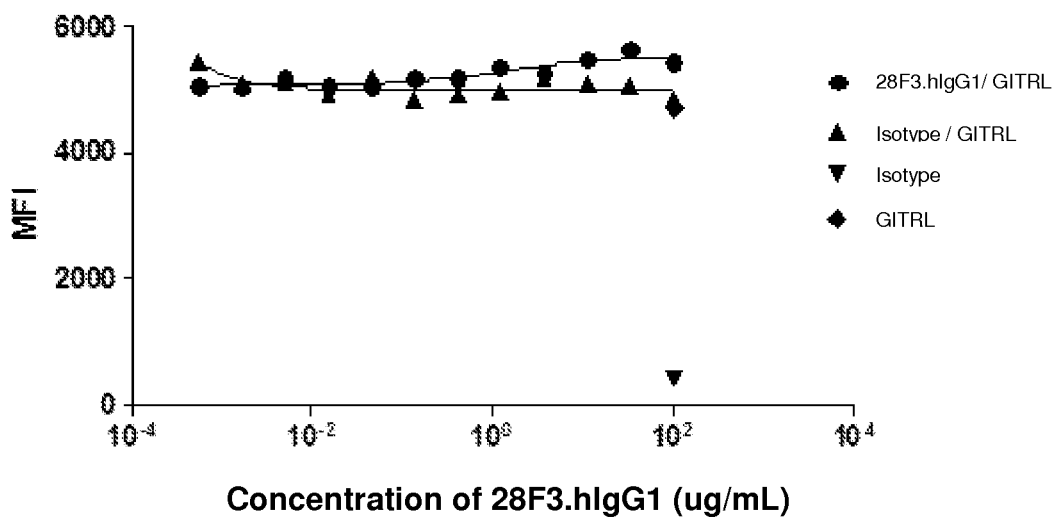
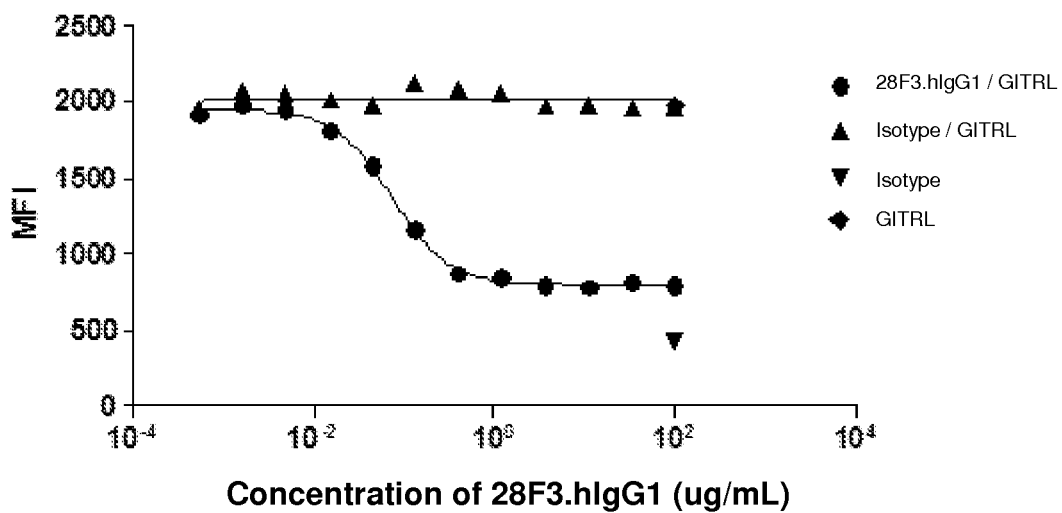


Figure 34E



	28F3.hlgG1 / GITRL
IC50	0.07575

Figure 34F

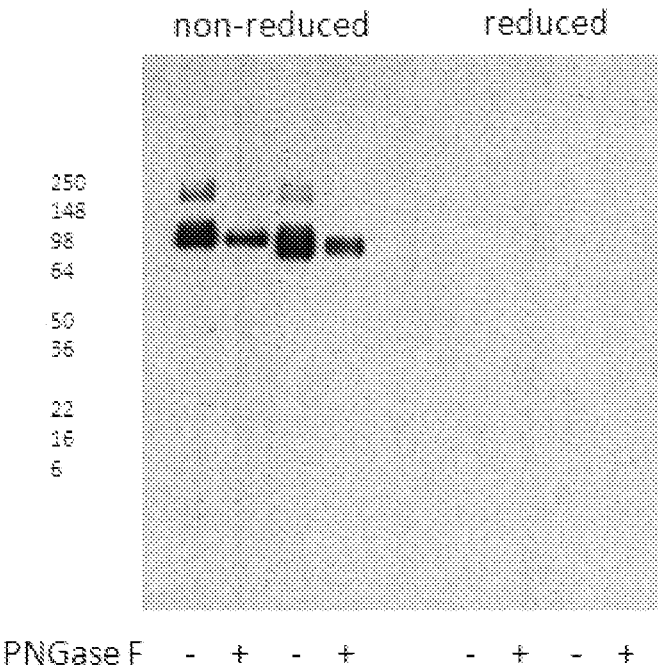
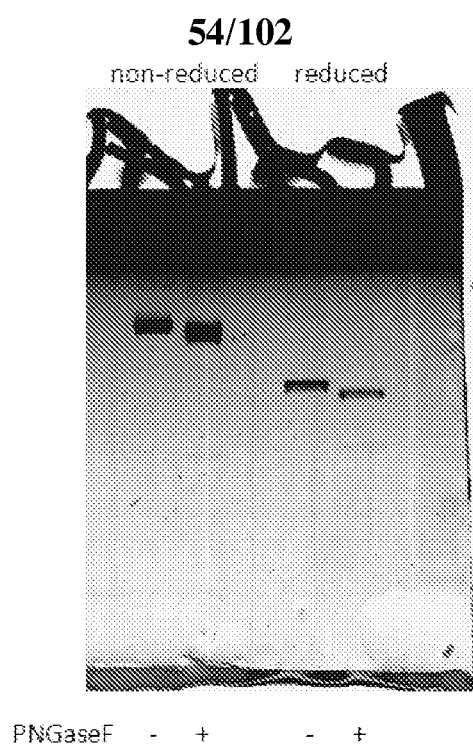


Figure 35A

**Figure 35B**

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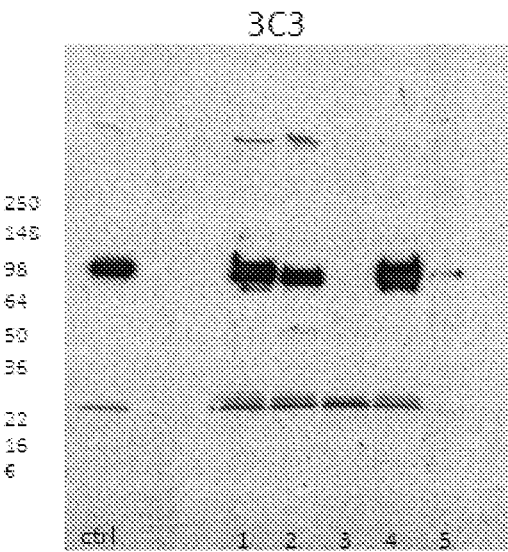


Figure 36A

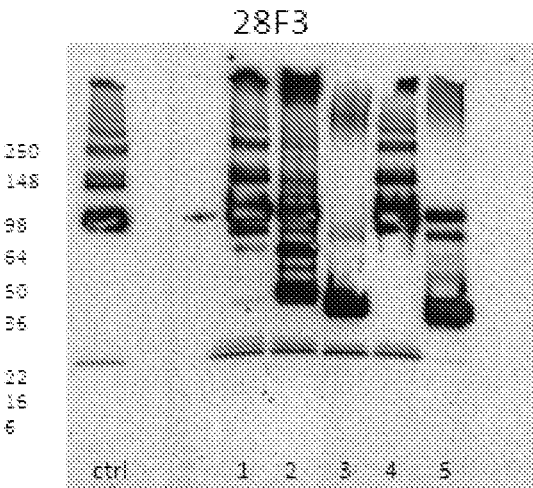


Figure 36B

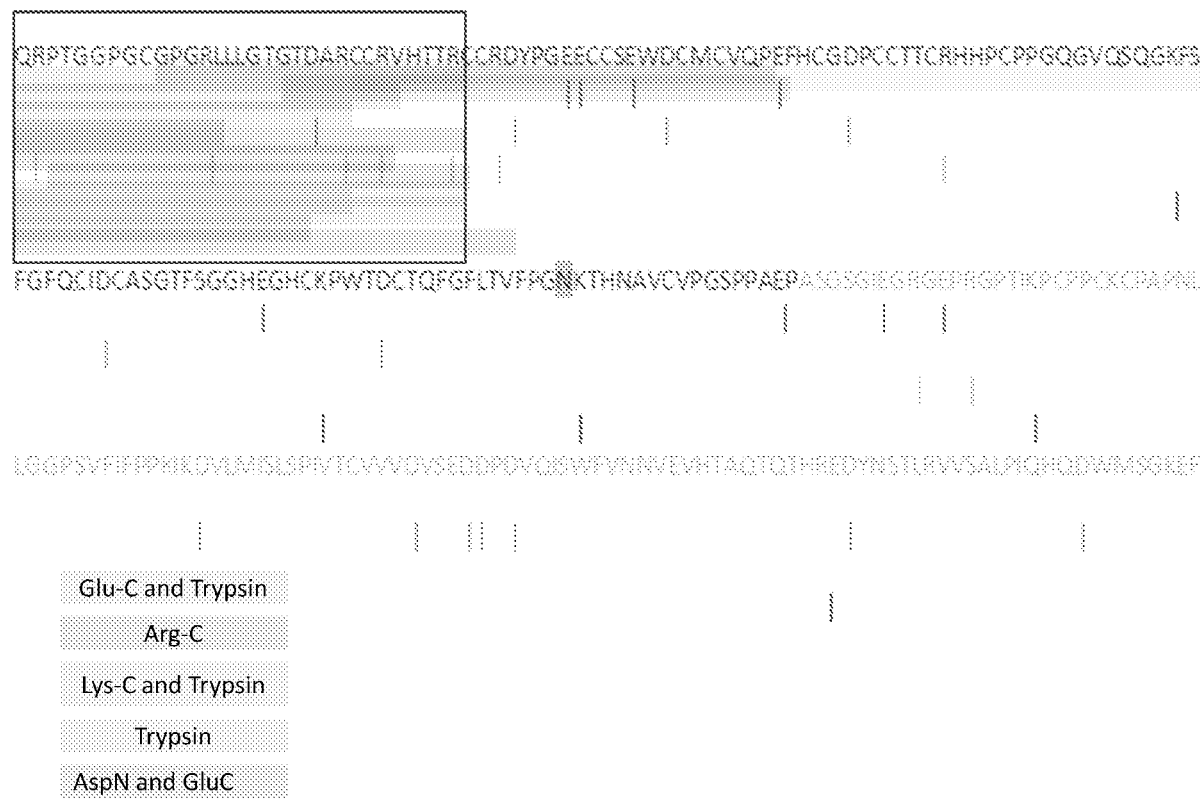
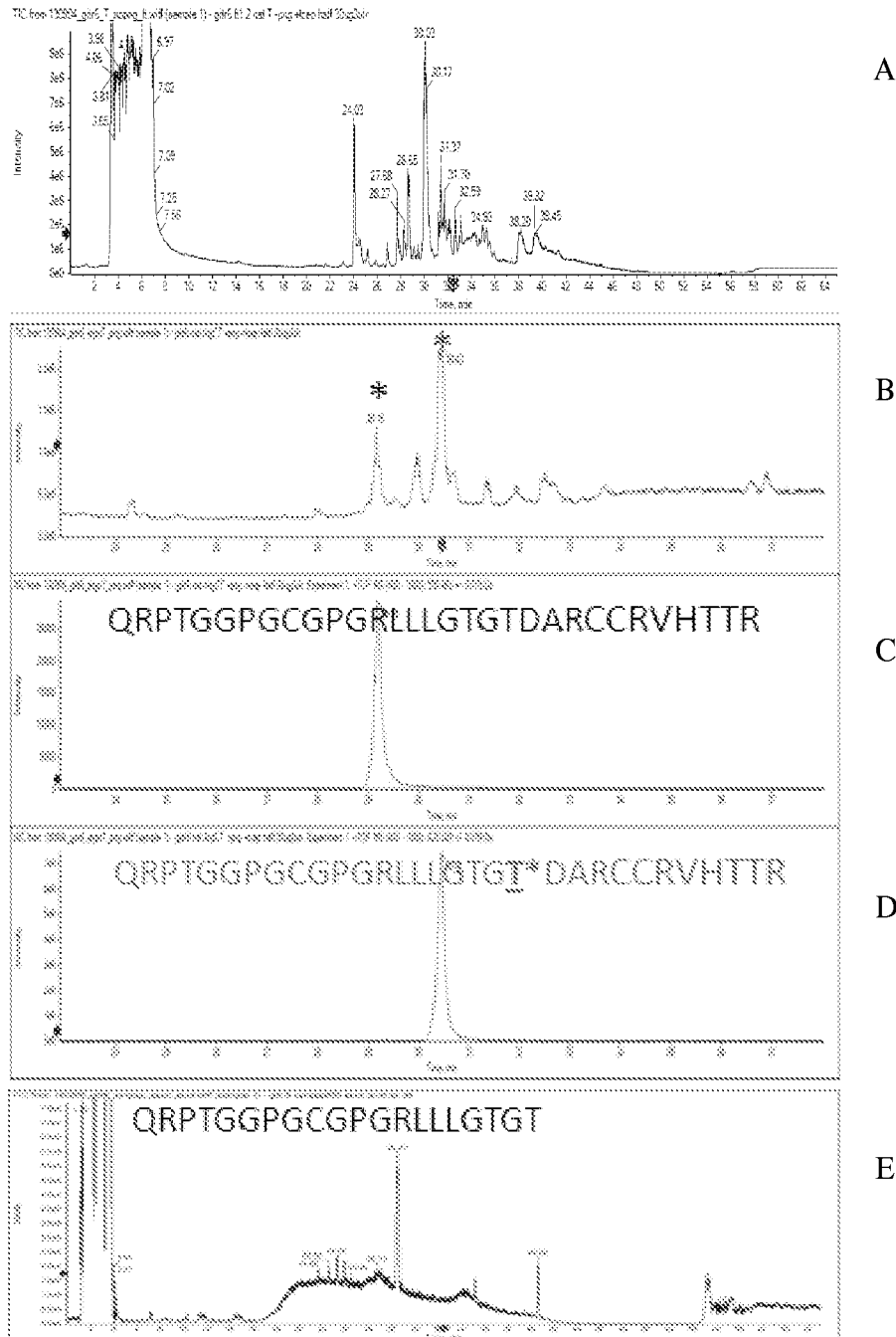
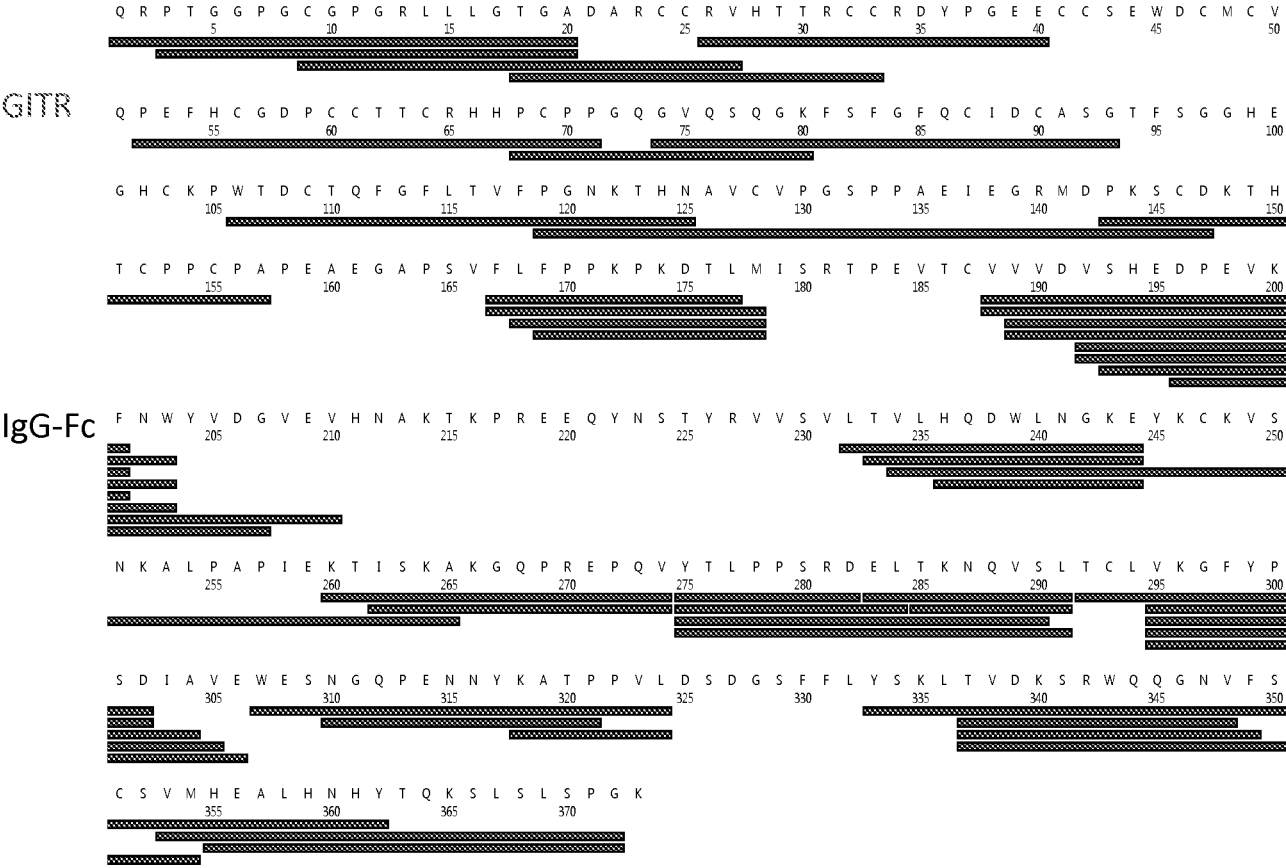


Figure 37

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Figures 38A-38E



Total: 81.0% Coverage, 2.38 Redundancy

86% sequence
coverage

Figure 39A

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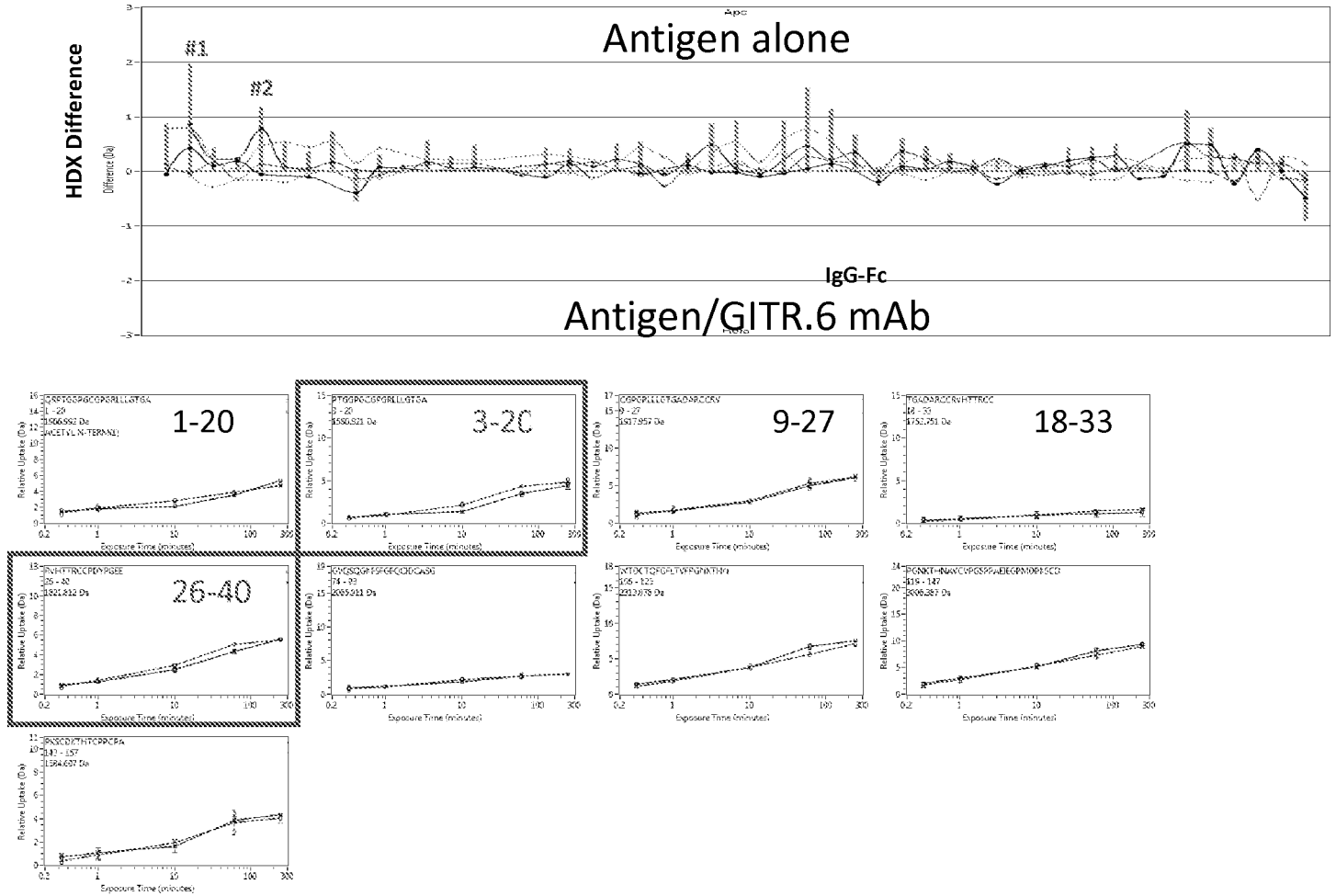


Figure 39B

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¹QRPTGGPGCG ¹¹PGRLLLGTGA ²¹DARCCRVHTT ³¹RCCRDYPGEE
 
Ranking #1 Ranking #2

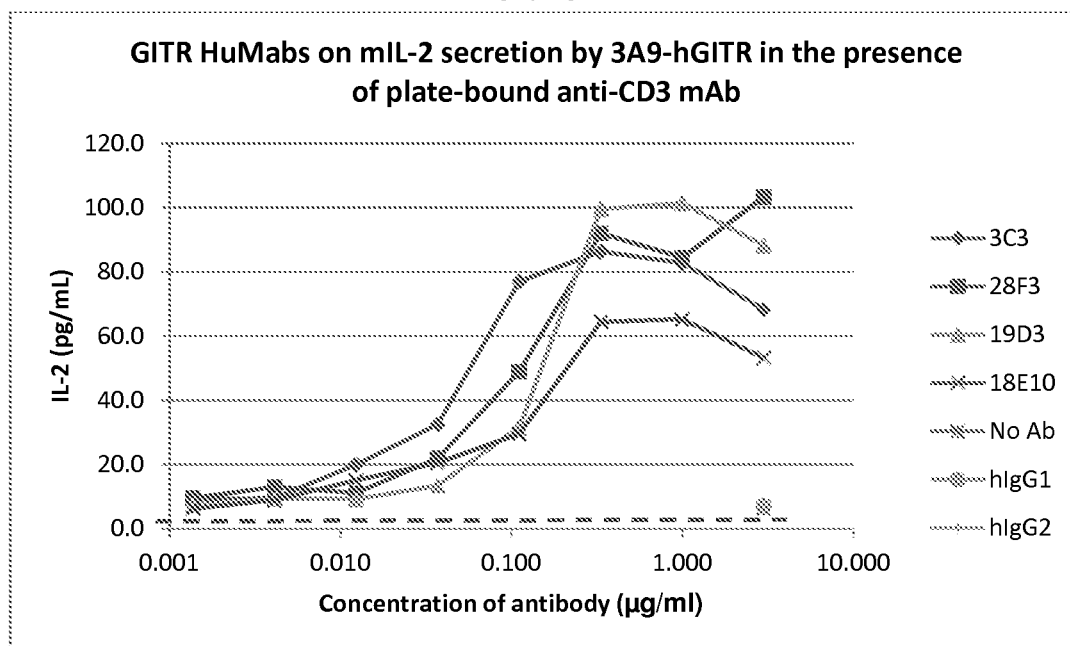
⁴¹CCSEWDCMCV ⁵¹QPEFHCGDPC ⁶¹CTTCRHHPCP ⁷¹PGQGVQSQ GK

⁸¹FSFGFQCIDC ⁹¹ASGTFSGGHE ¹⁰¹GHCKPWT DCT ¹¹¹QFGFLT VFP G

¹²¹NKTHNAV CVP ¹³¹GSPPAEIEGR ¹⁴¹MD

Figure 39C

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**Figure 40**

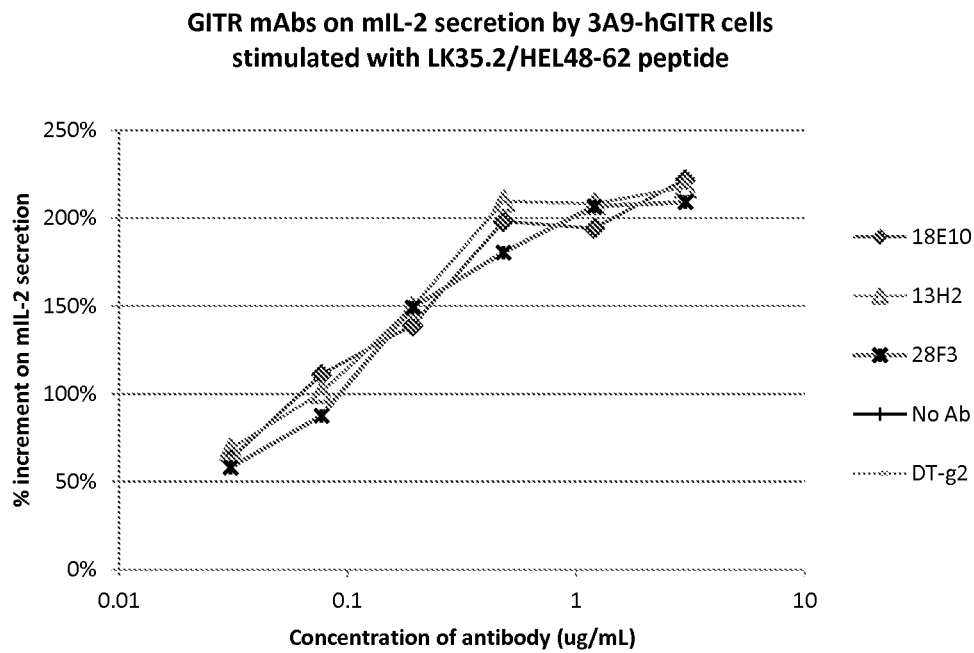


Figure 41A

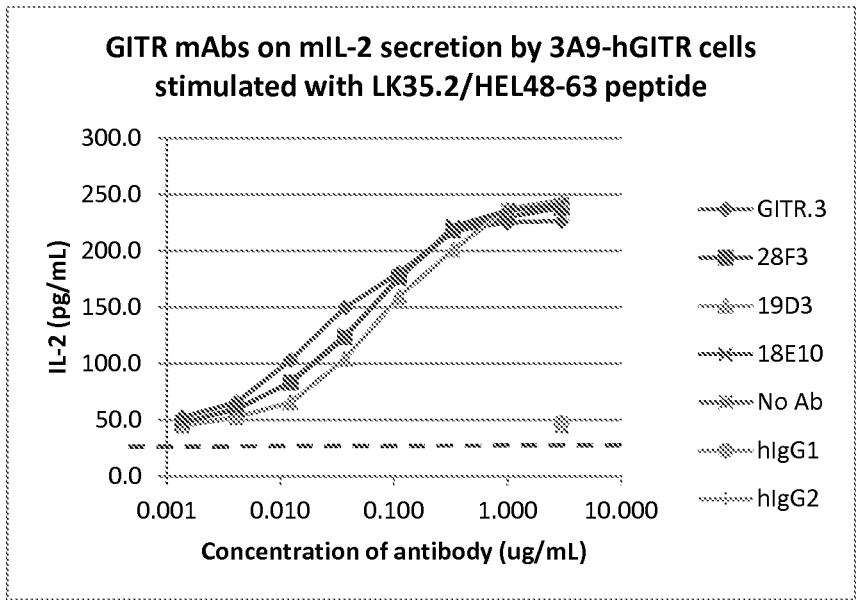


Figure 41B

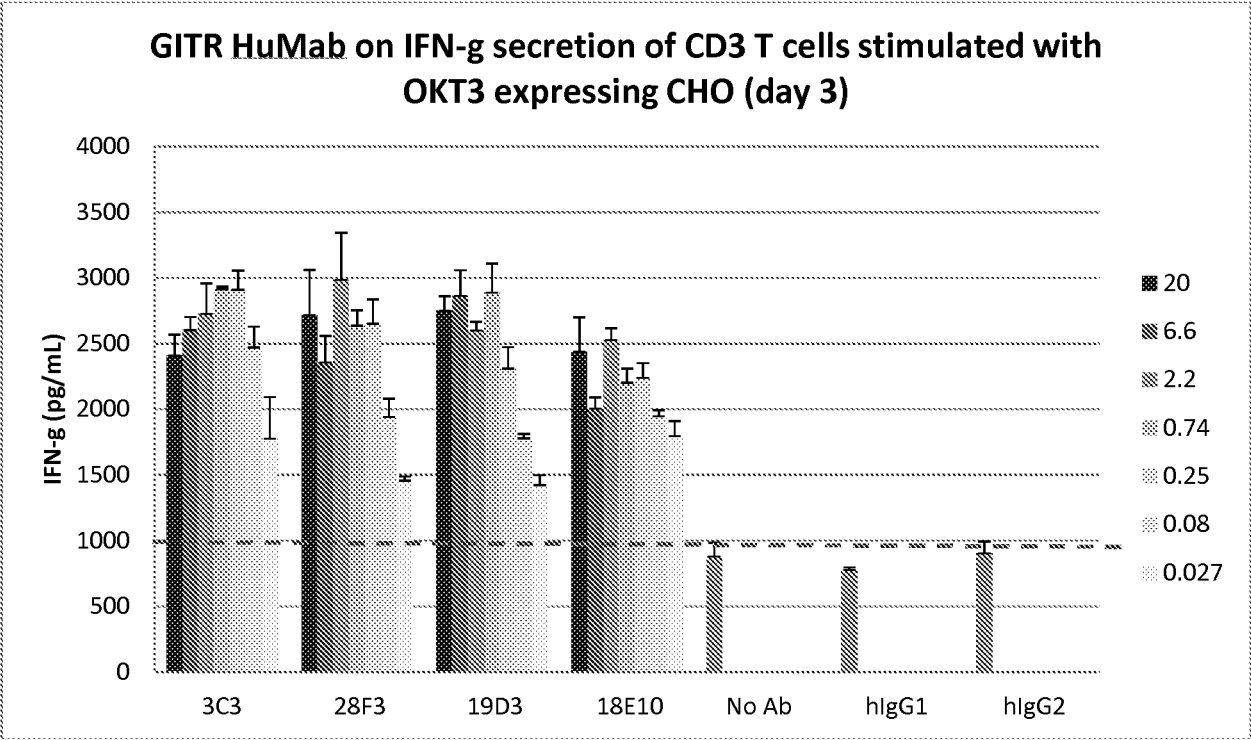


Figure 42A

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**GITR mAb on IL-2 secretion by CD4 T cells stimulated with OKT3
expressing CHO cells (Day 2) - Donor#1**

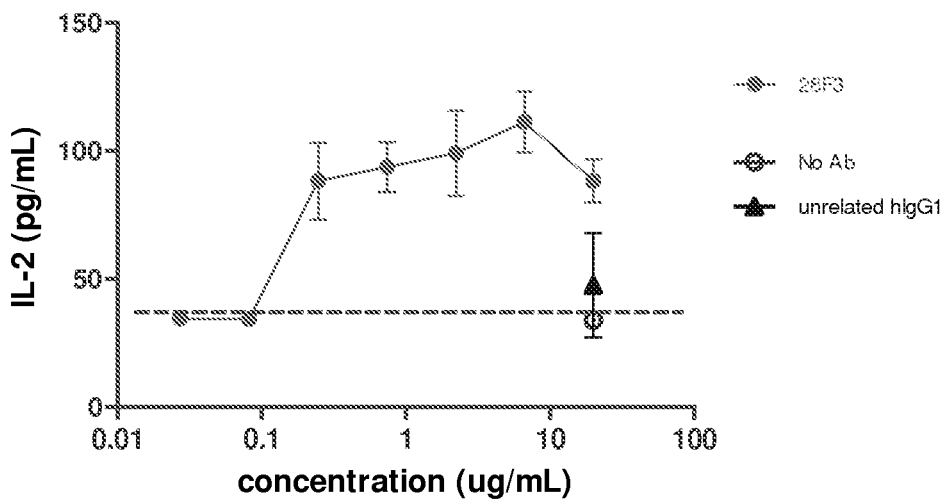


Figure 42B

**GITR mAb on IFN-g secretion by CD4 T cells stimulated with OKT3
expressing CHO cells (Day 3) - donor#1**

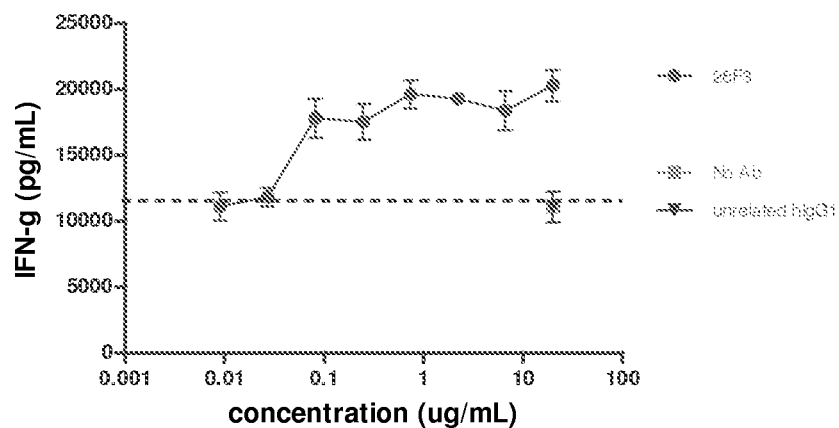


Figure 42C

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**GITR mAb on IL-2 secretion by CD4 T cells stimulated with OKT3
expressing CHO cells (Day 2) - donor#2**

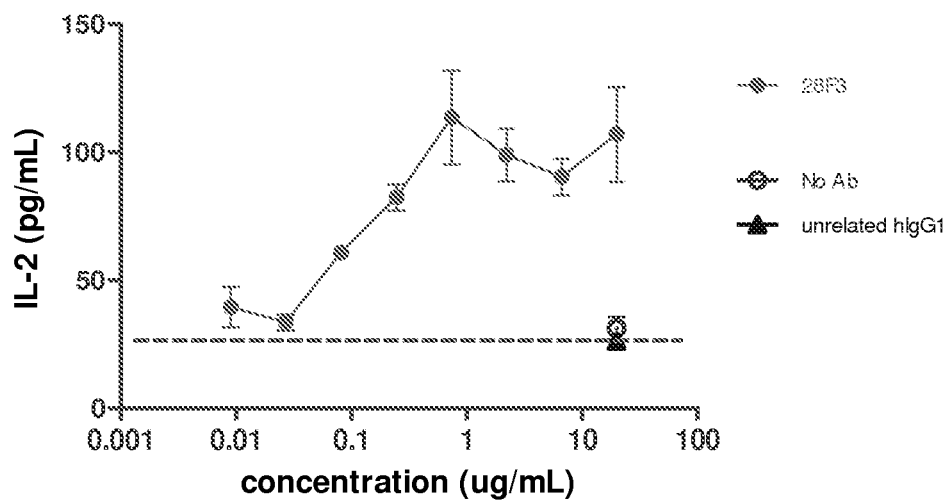


Figure 42D

**GITR mAb on IFN-g secretion by CD4 T cells stimulated with OKT3
expressing CHO cells (Day 3) - donor#2**

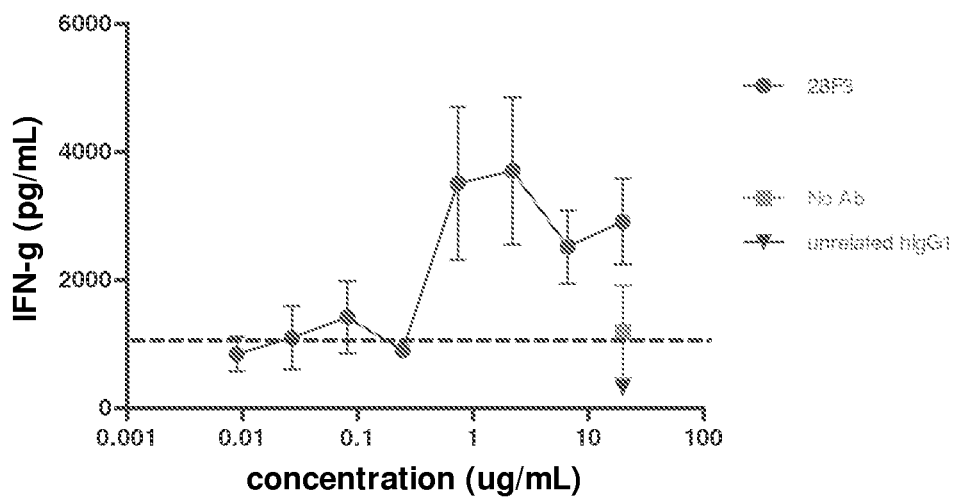


Figure 42E

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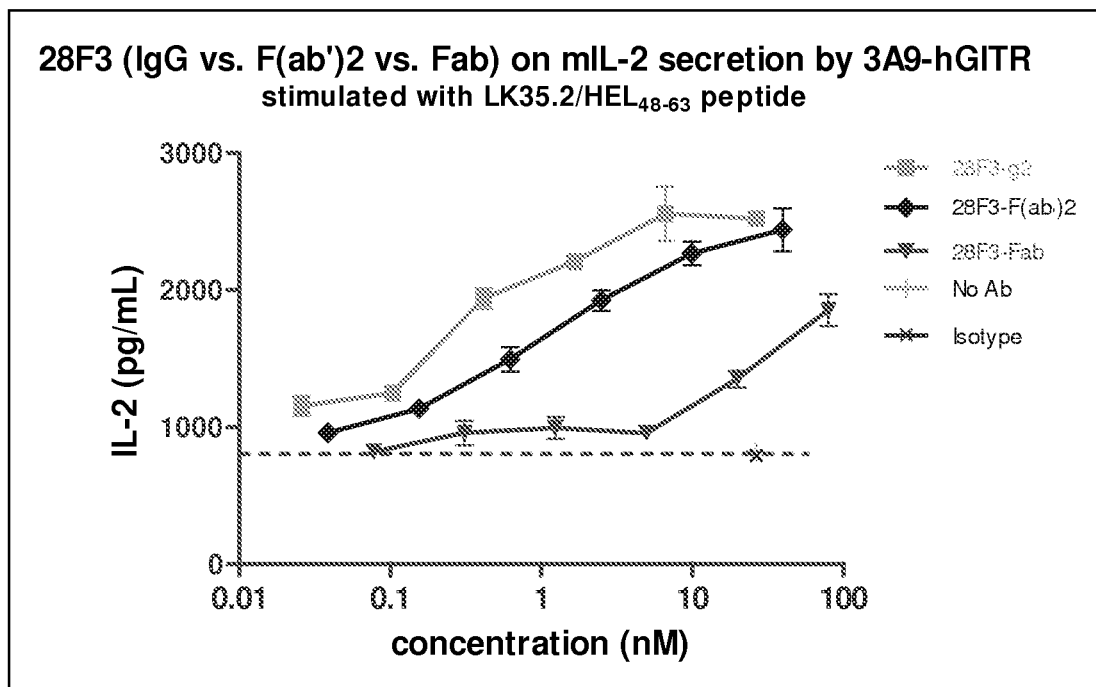


Figure 43

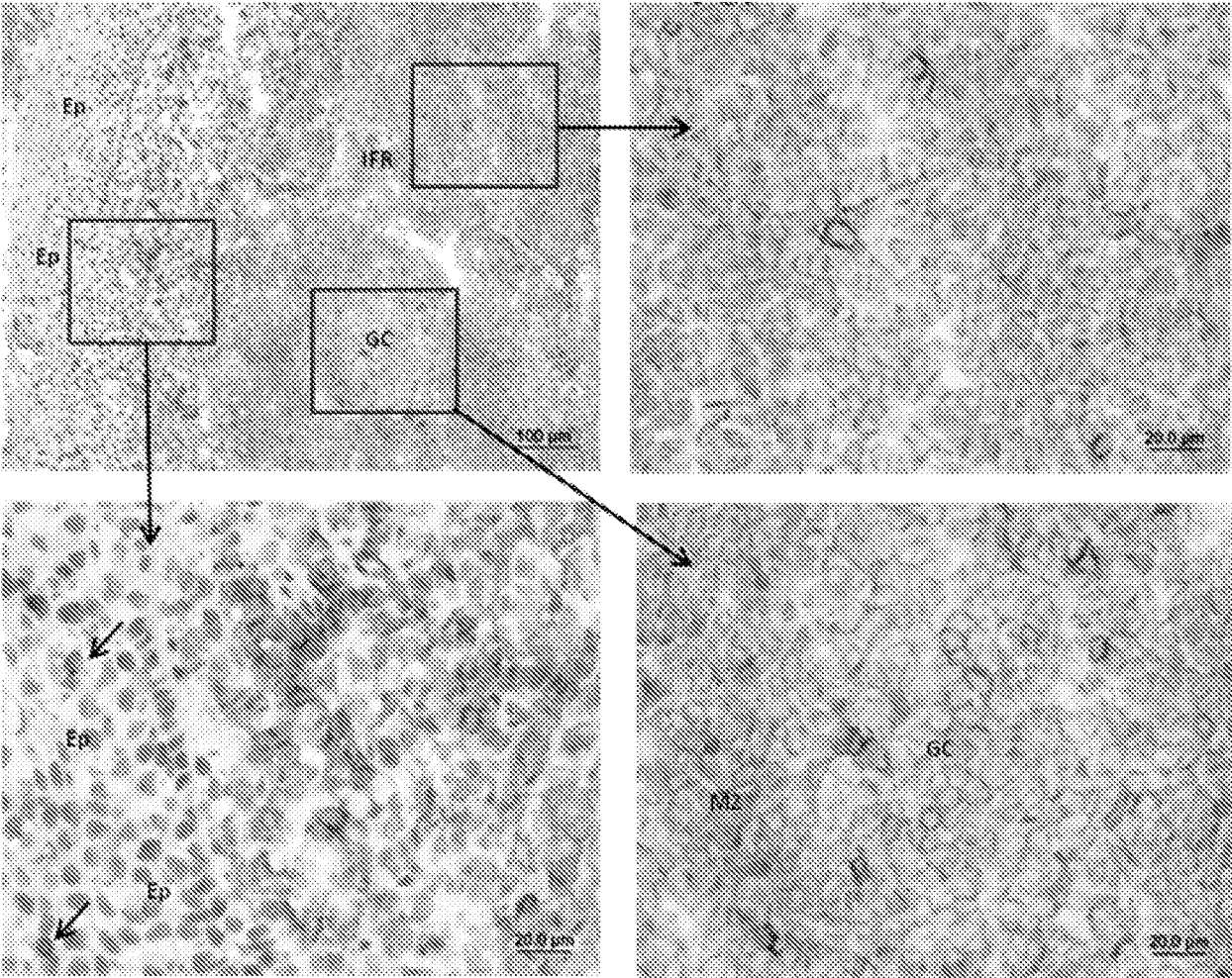


Figure 44

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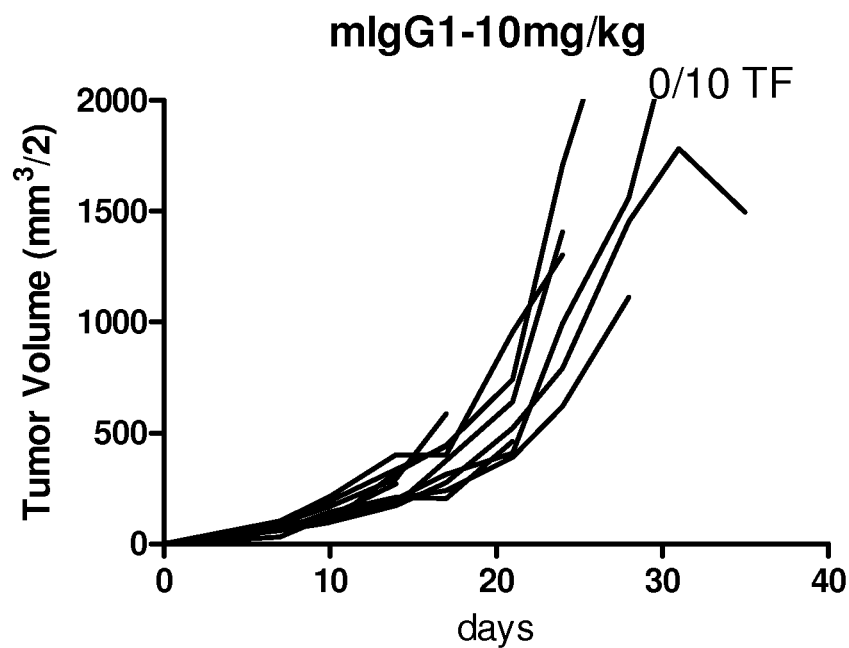


Figure 45A

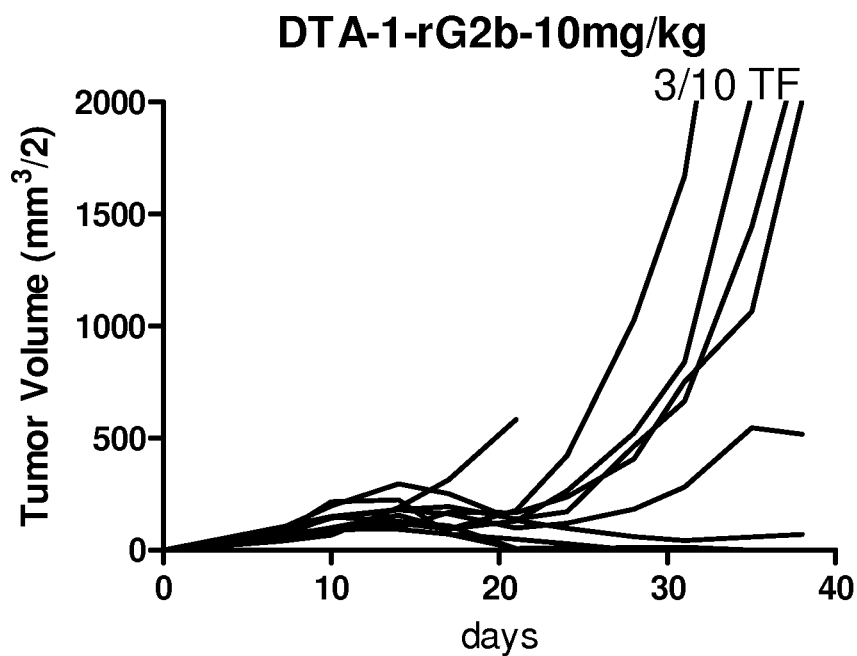


Figure 45B

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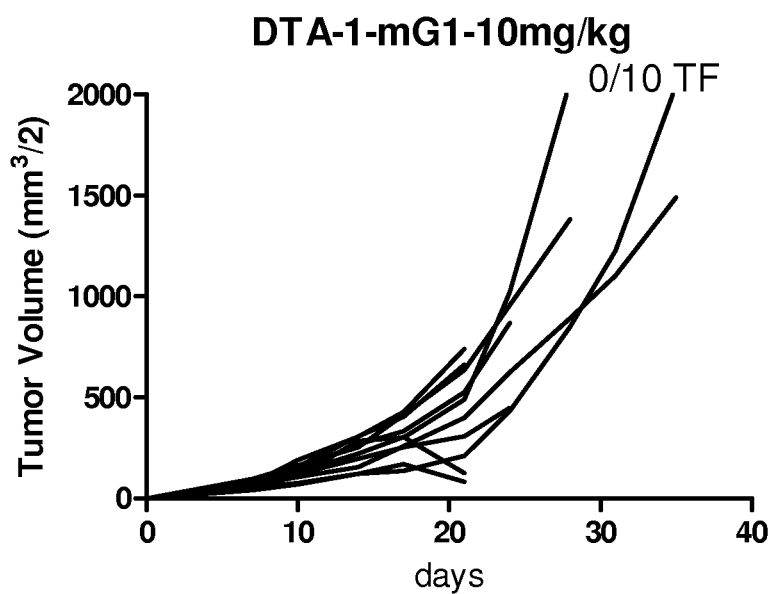


Figure 45C

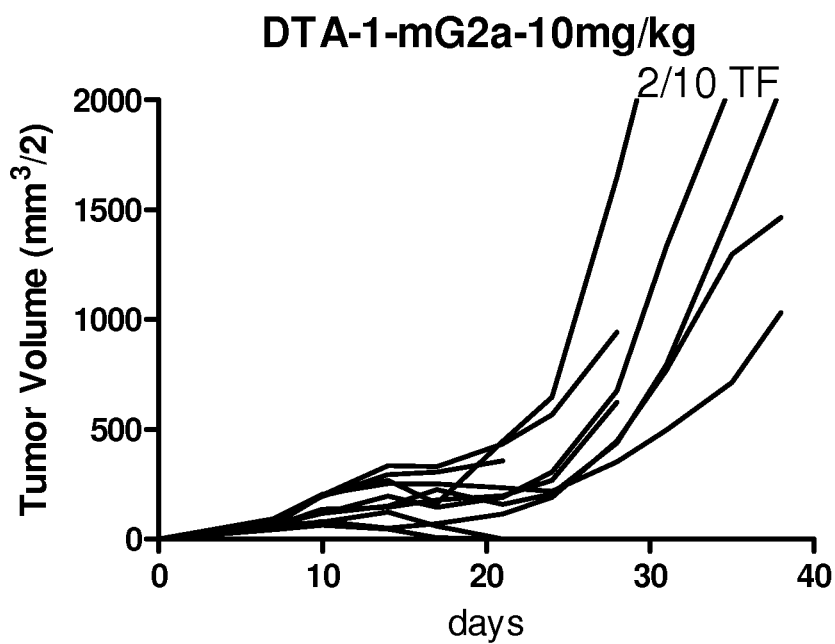


Figure 45D

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A.

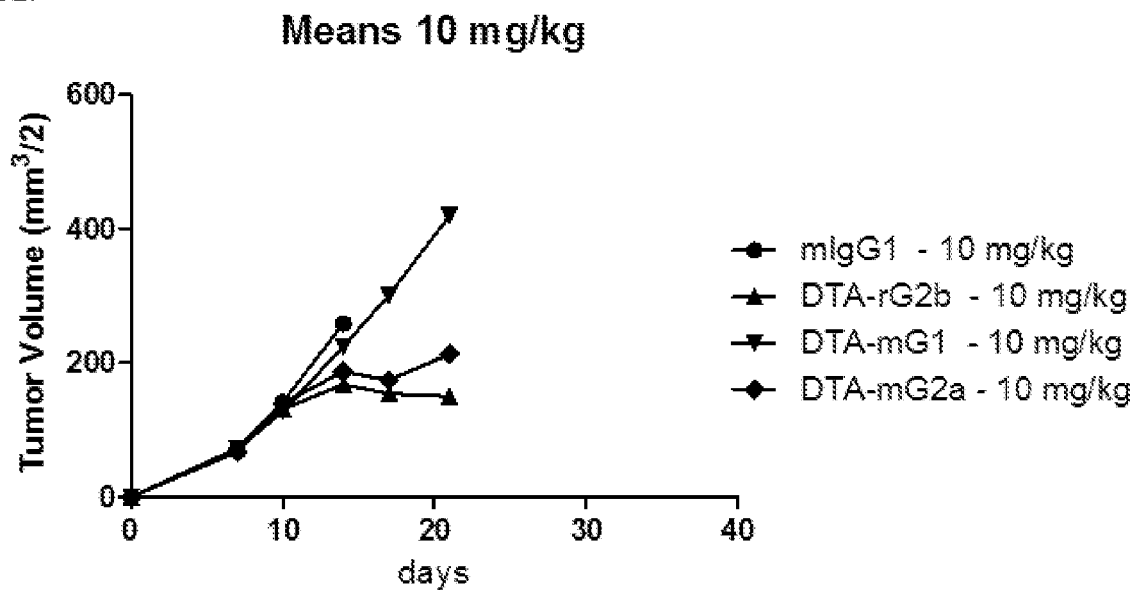


Figure 46A

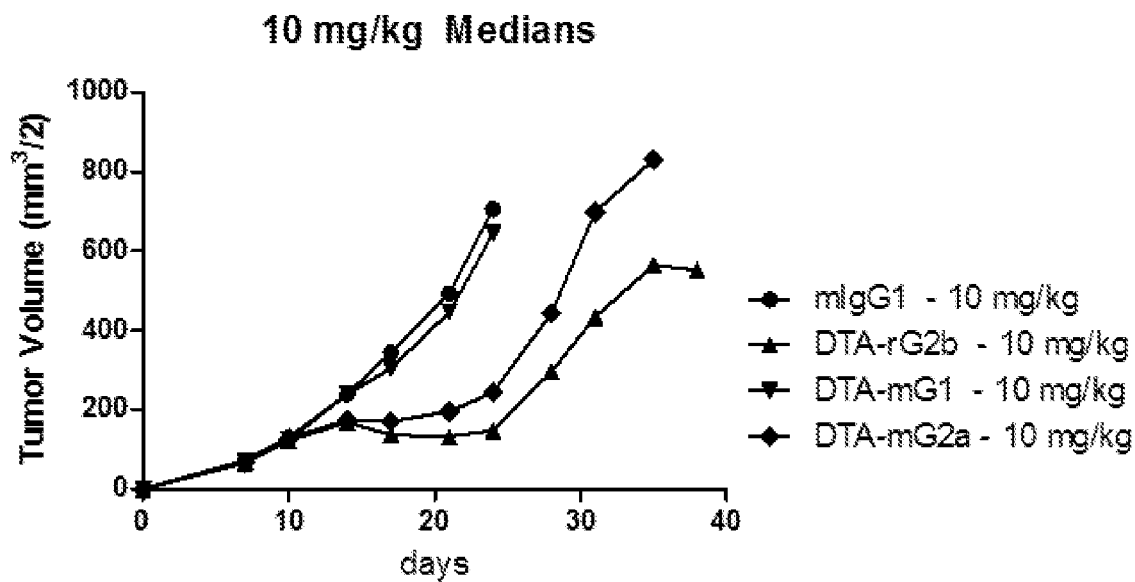


Figure 46B

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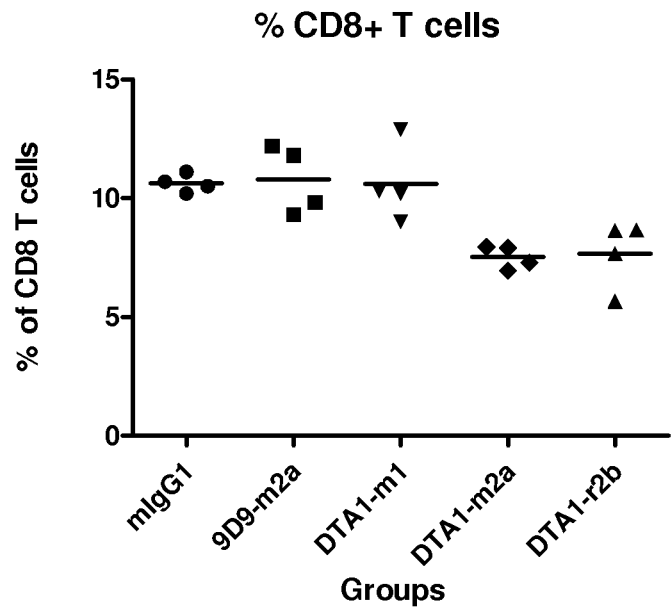


Figure 47A

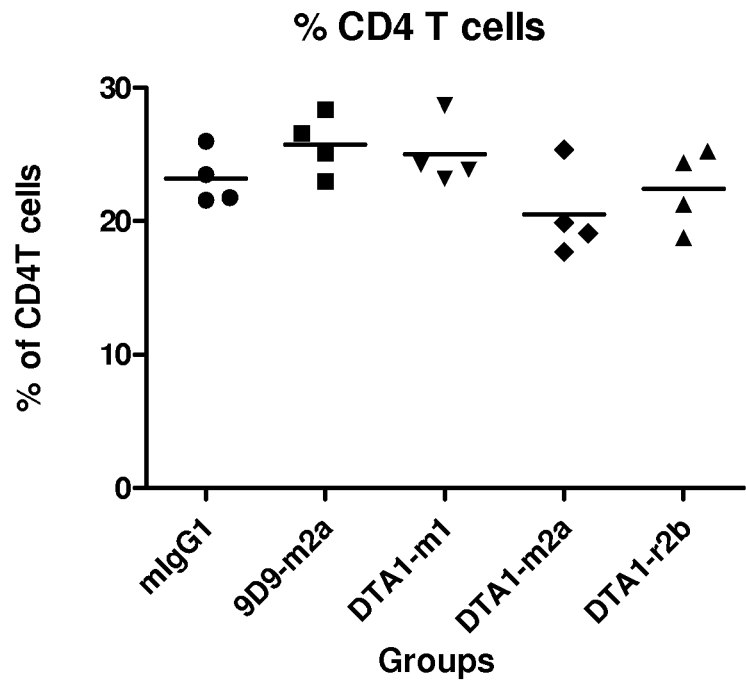


Figure 47B

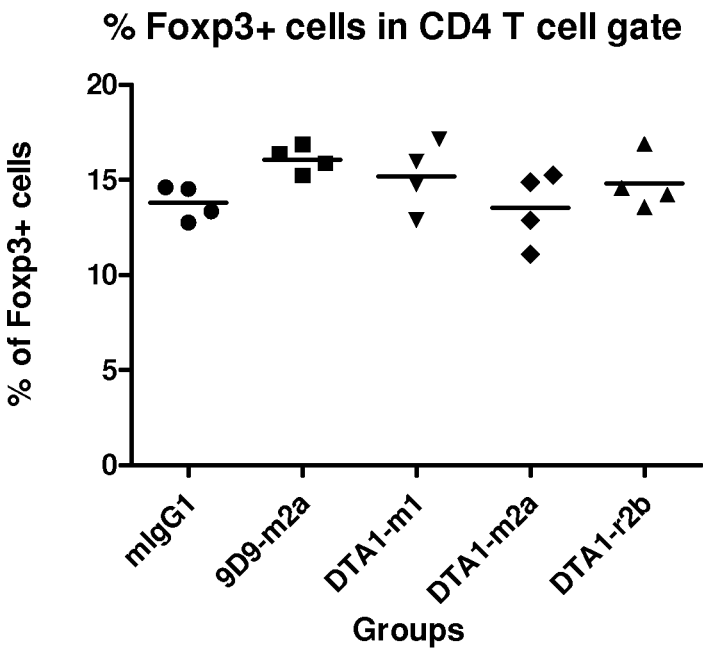


Figure 47C

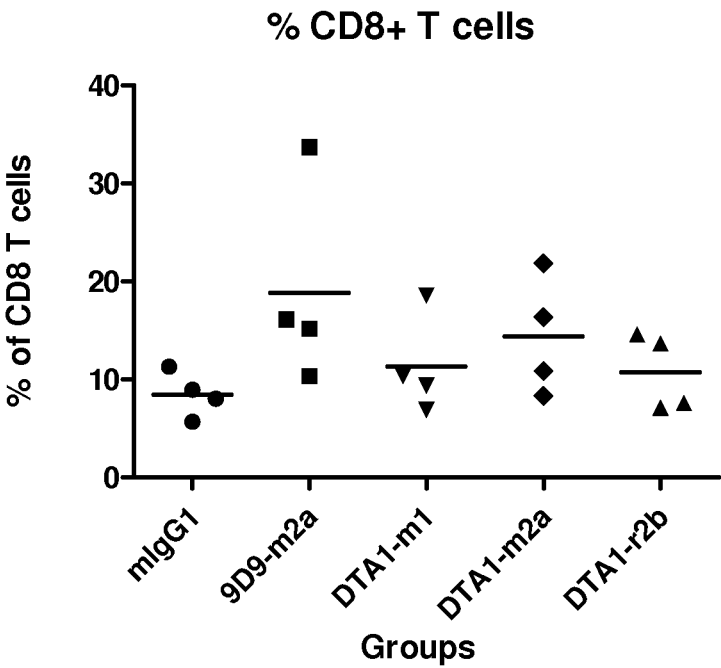


Figure 47D

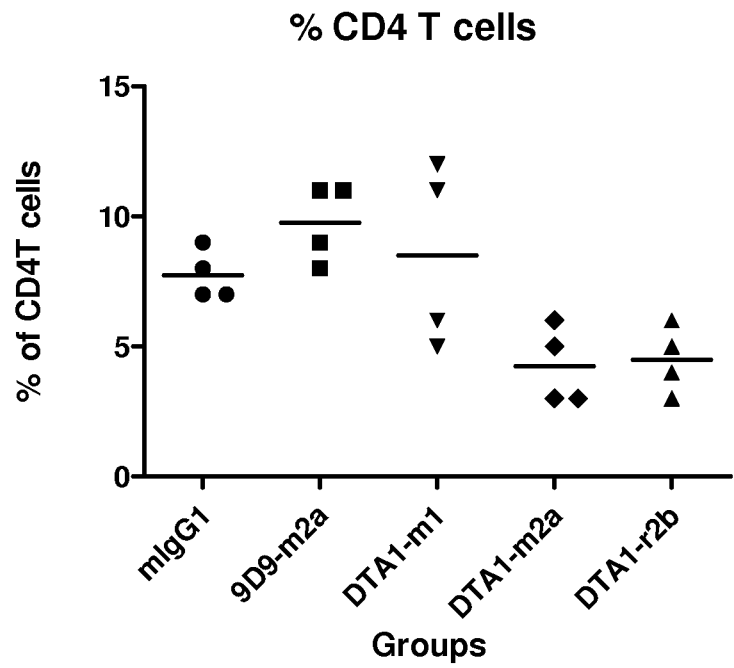


Figure 47E

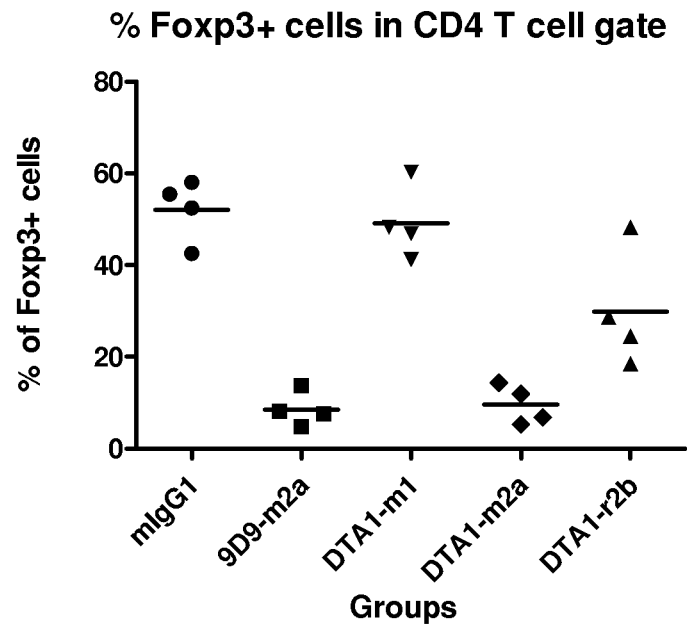


Figure 47F

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1. mlgG1

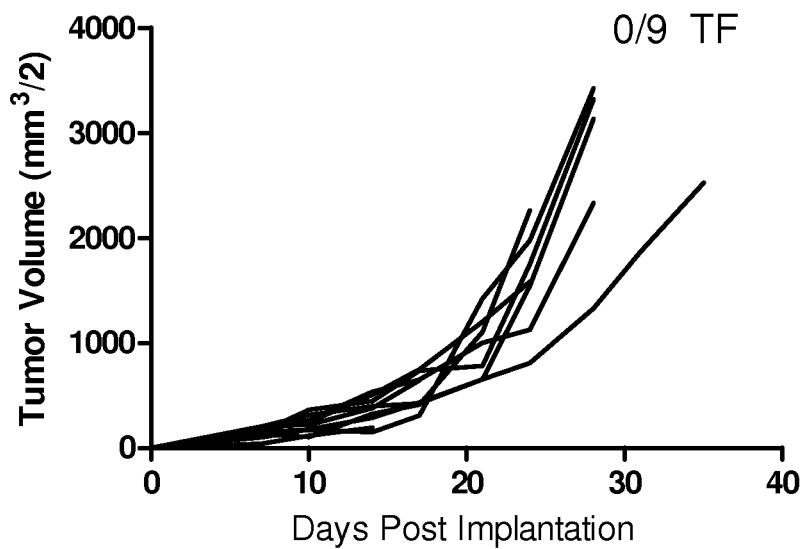


Figure 48A

2. mGITR.7 mg1

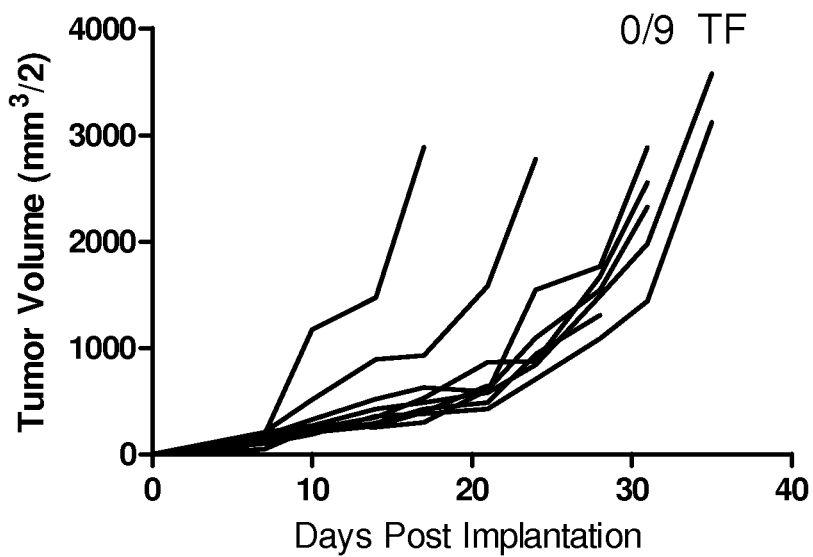
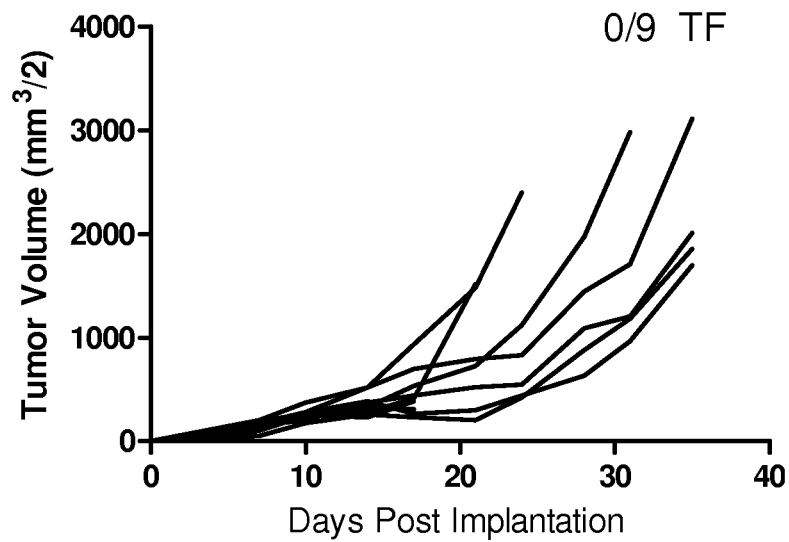
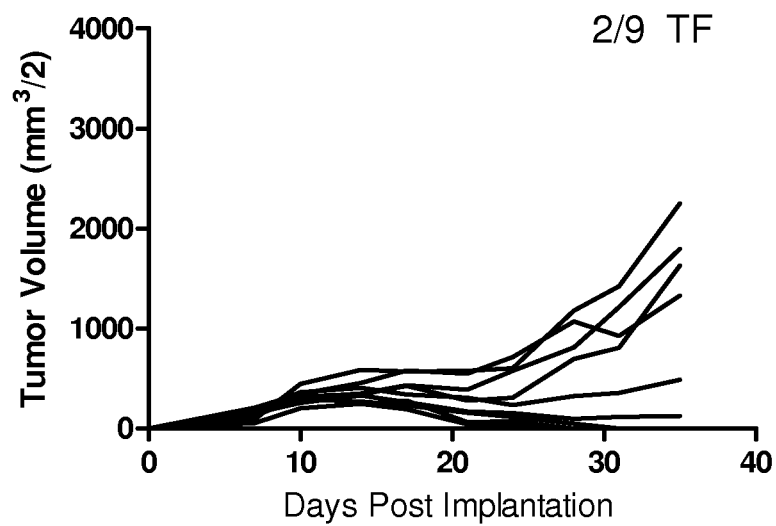
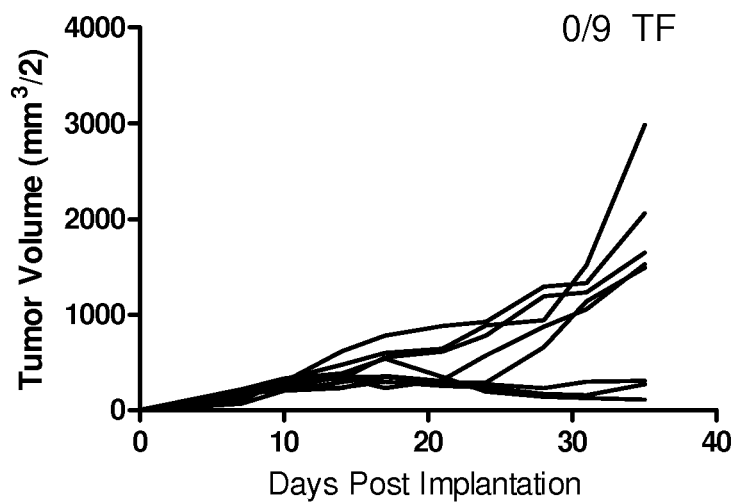
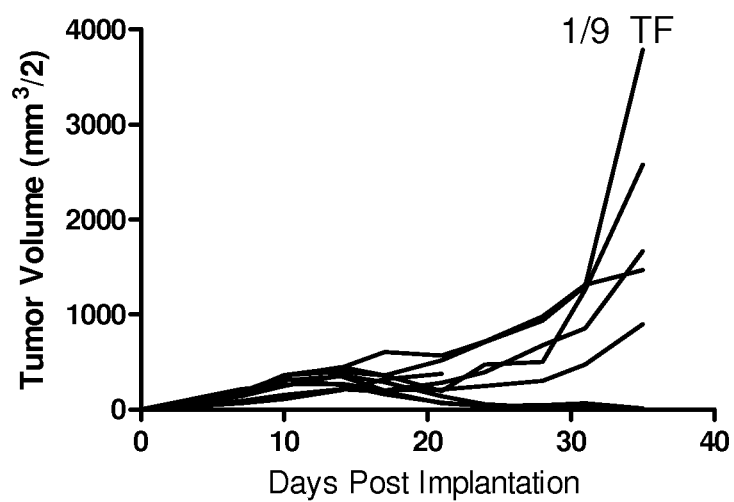


Figure 48B

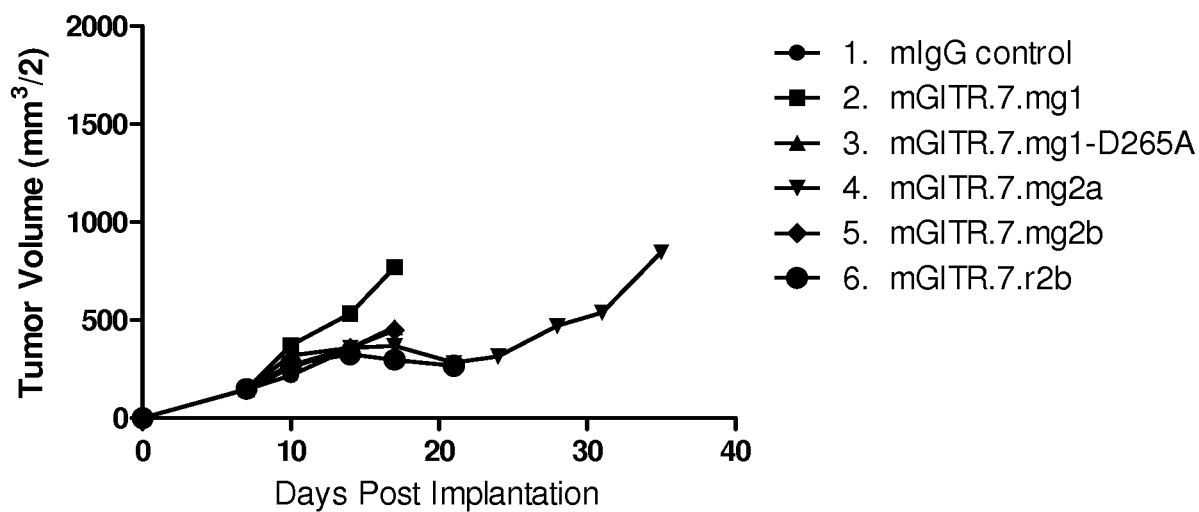
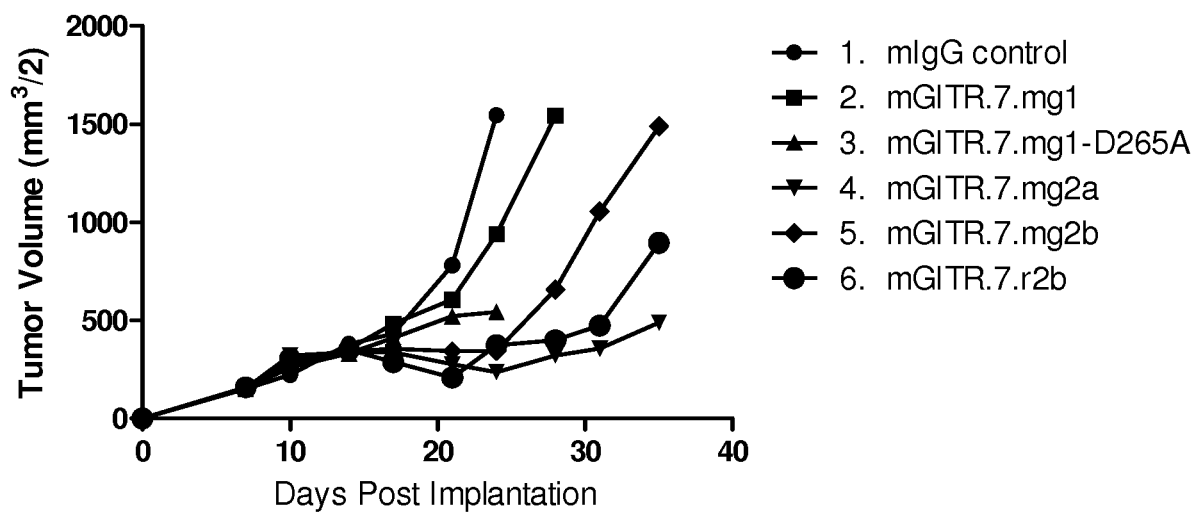
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3. mGfTR.7 mg1 D265A**Figure 48C****4. mGfTR.7 mg2a****Figure 48D**

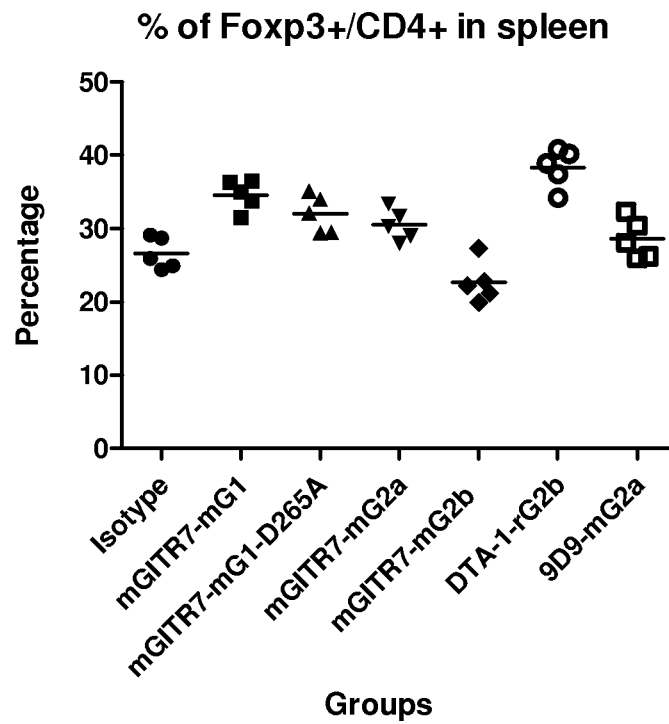
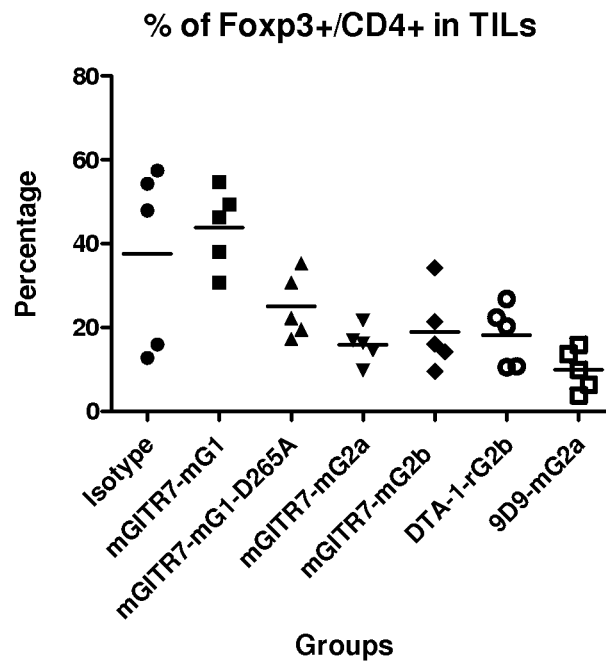
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5. mGITR.7 mg2b**Figure 48E****6. mGITR.7 rg2b****Figure 48F**

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Means**Figure 49A****Medians****Figure 49B**

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**Figure 50A****Figure 50B**

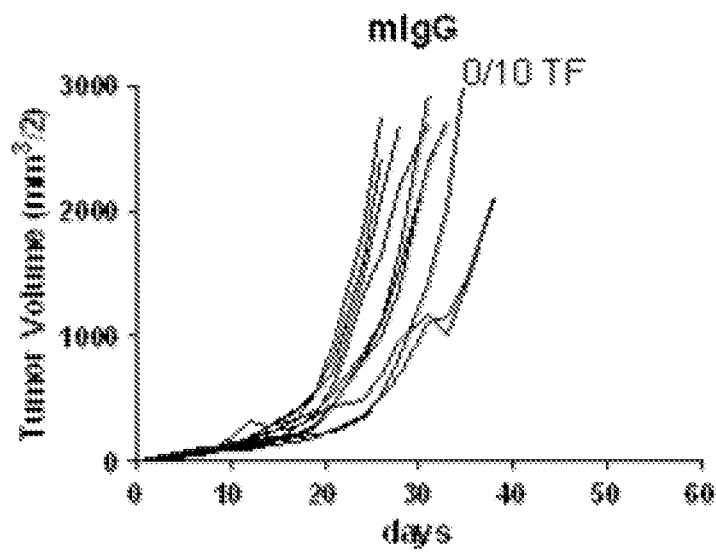


Figure 51A

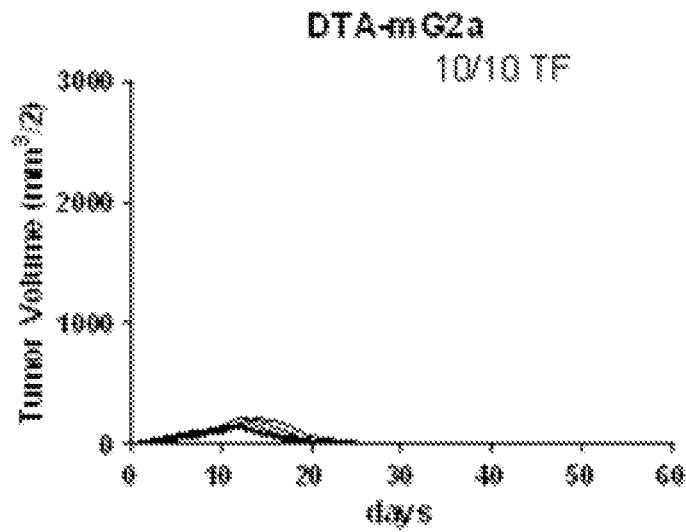


Figure 51B

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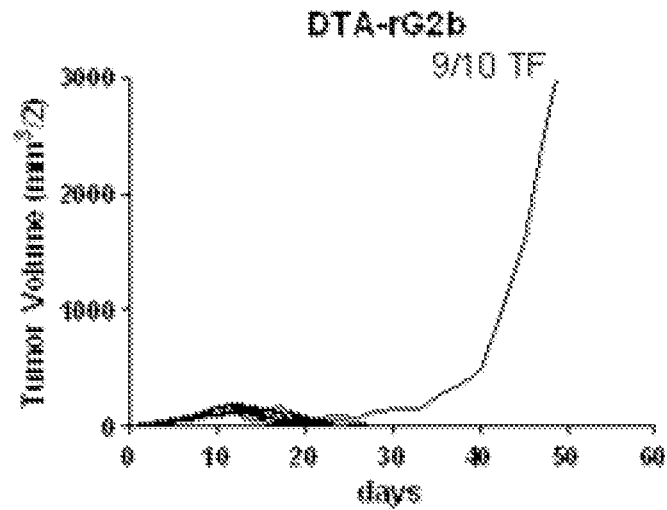


Figure 51C

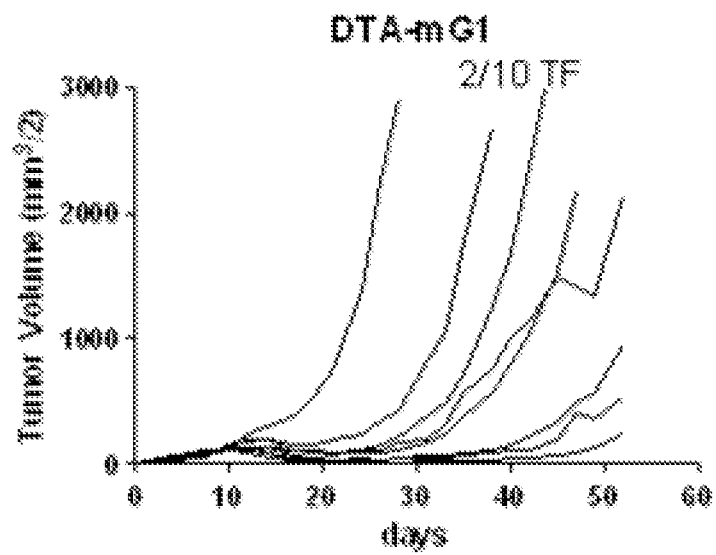


Figure 51D

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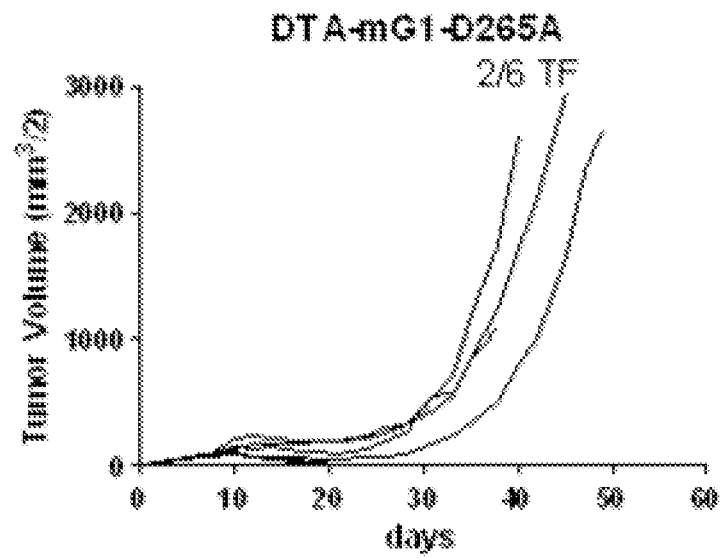


Figure 51E

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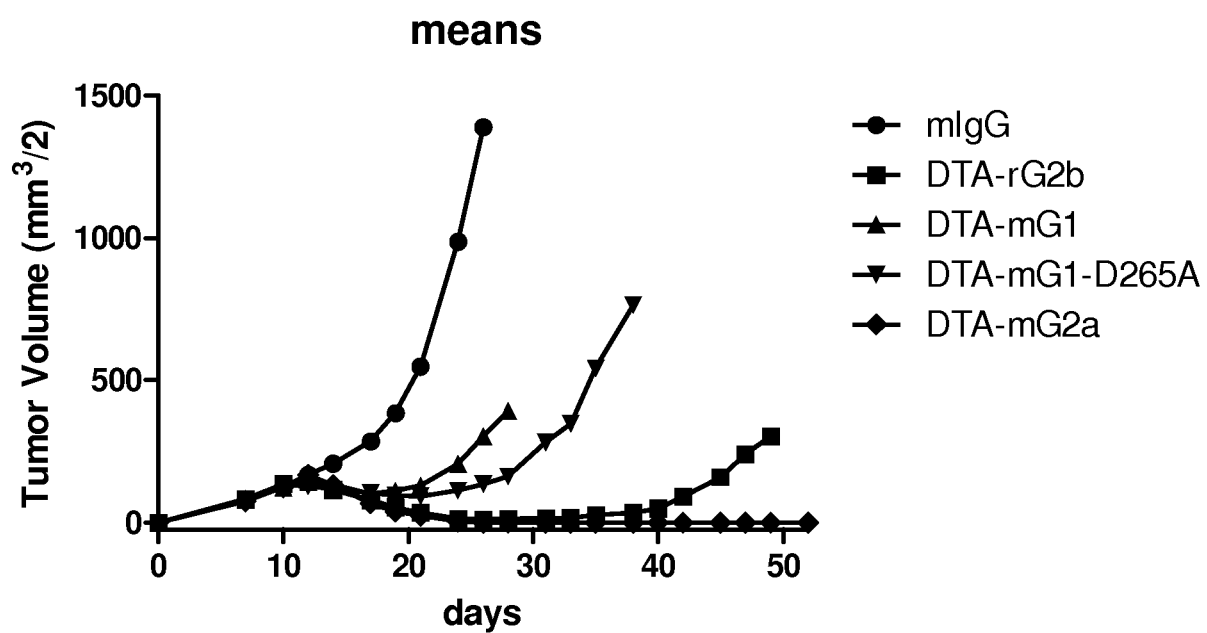


Figure 52A

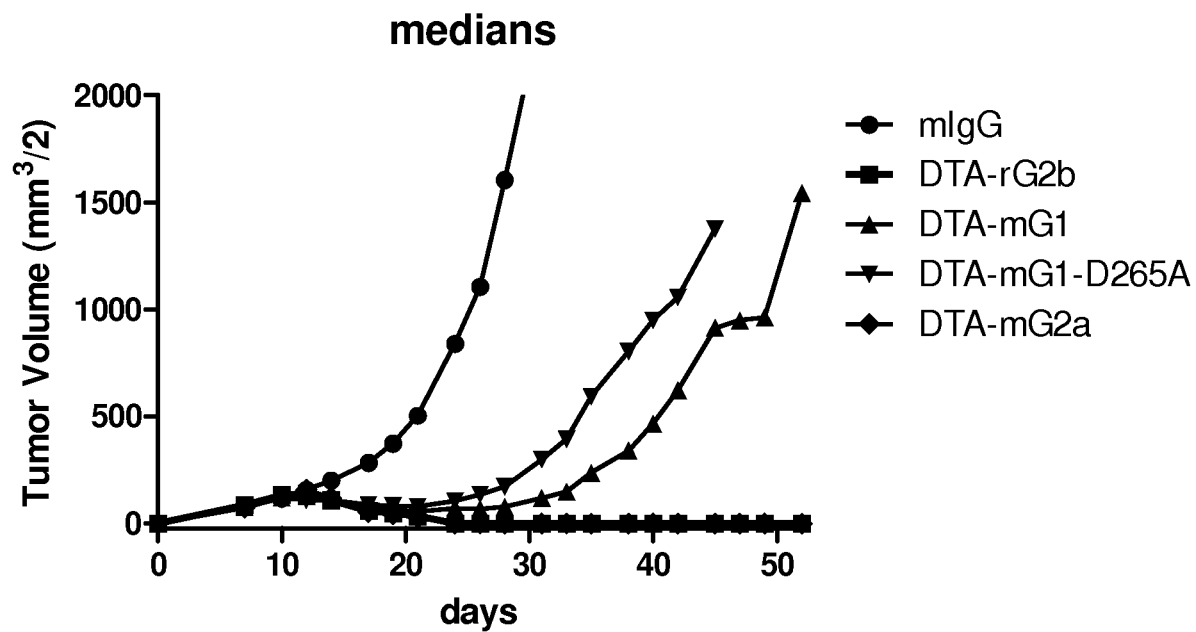


Figure 52B

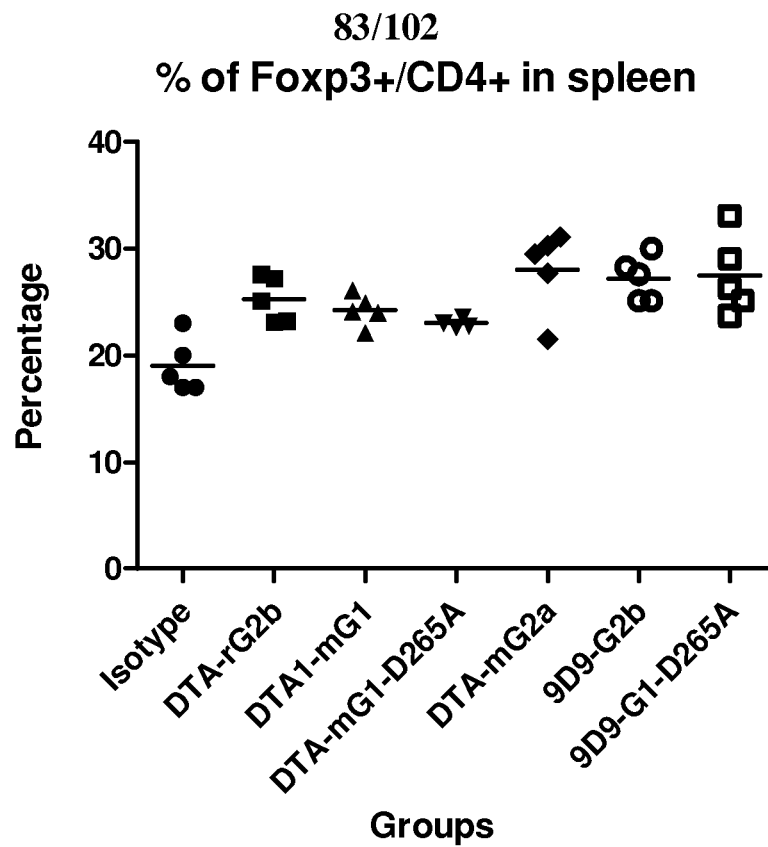


Figure 53A

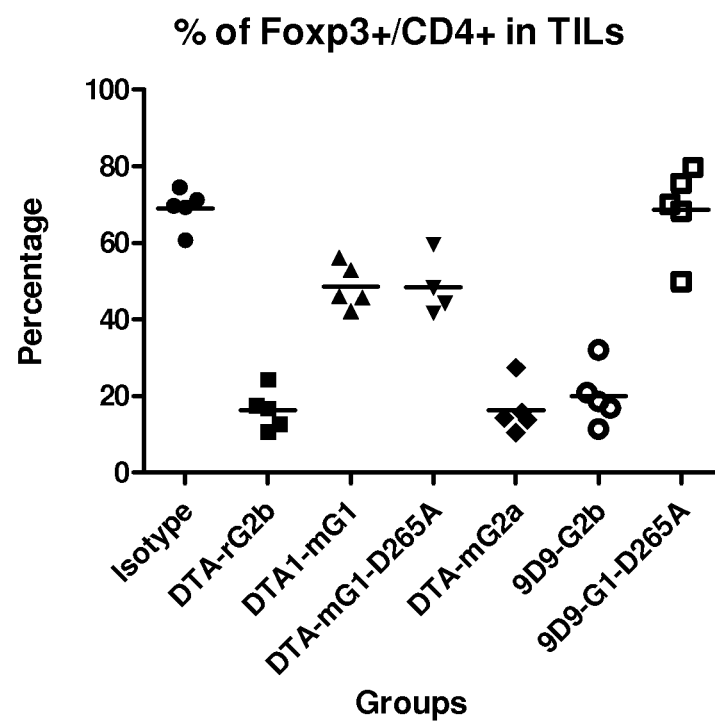


Figure 53B

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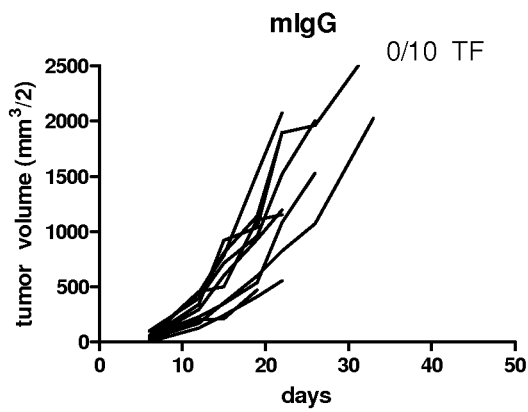


Figure 54A

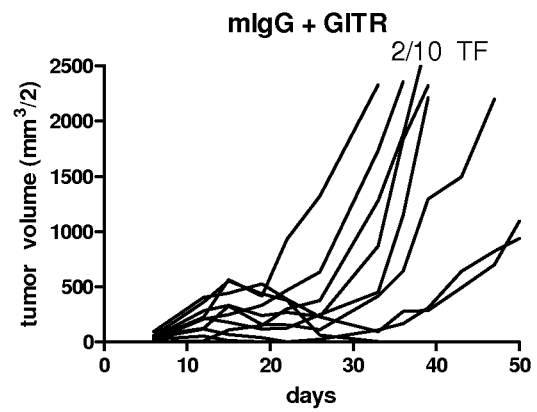


Figure 54B

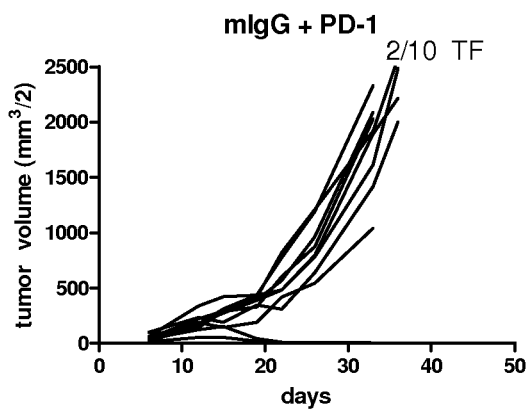


Figure 54C

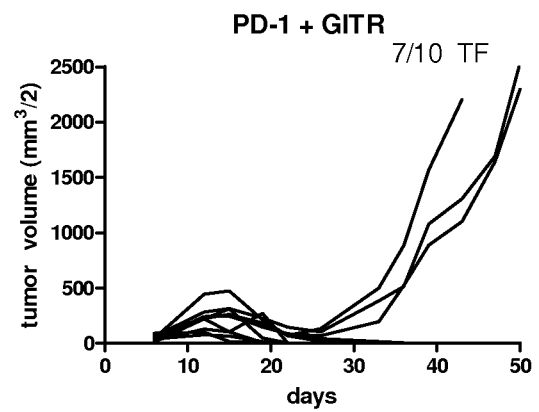


Figure 54D

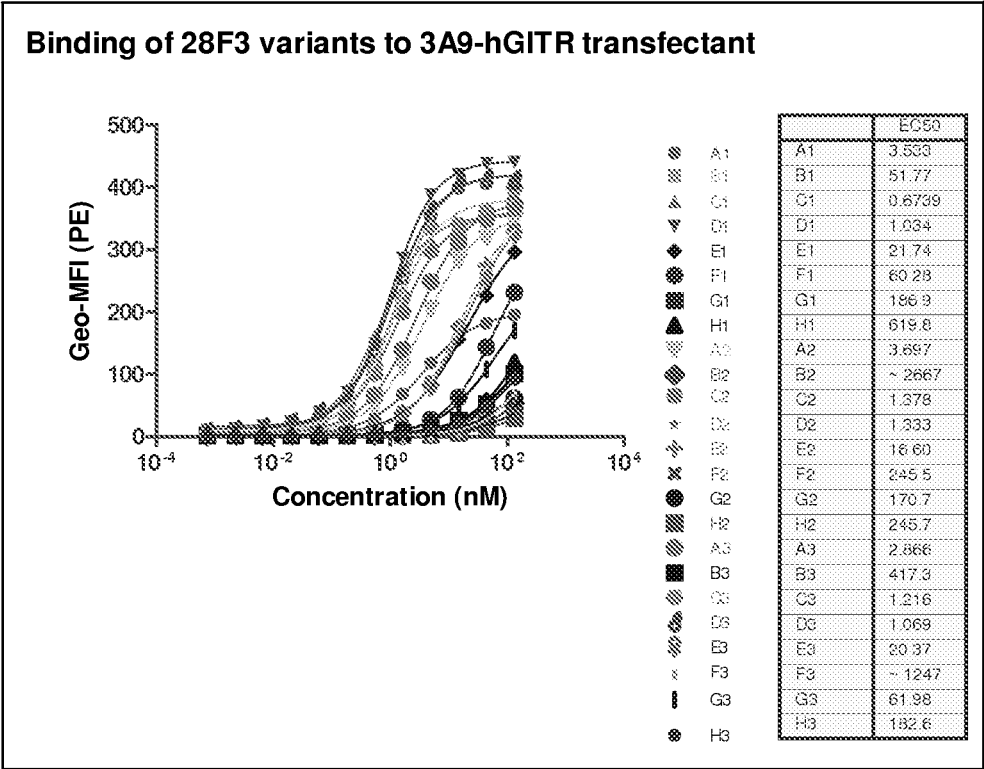


Figure 55A

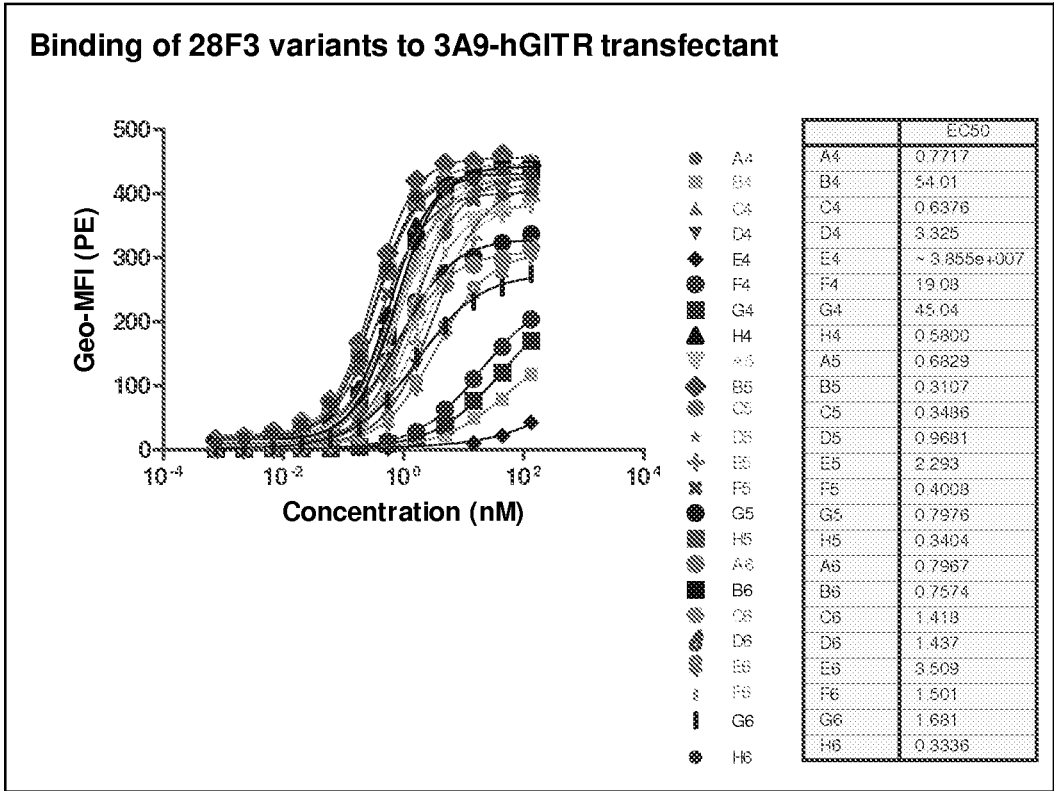


Figure 55B

28F3 variants on IL-2 secretion of 3A9-hGITR cells
in the presence of plate-bound anti-CD3

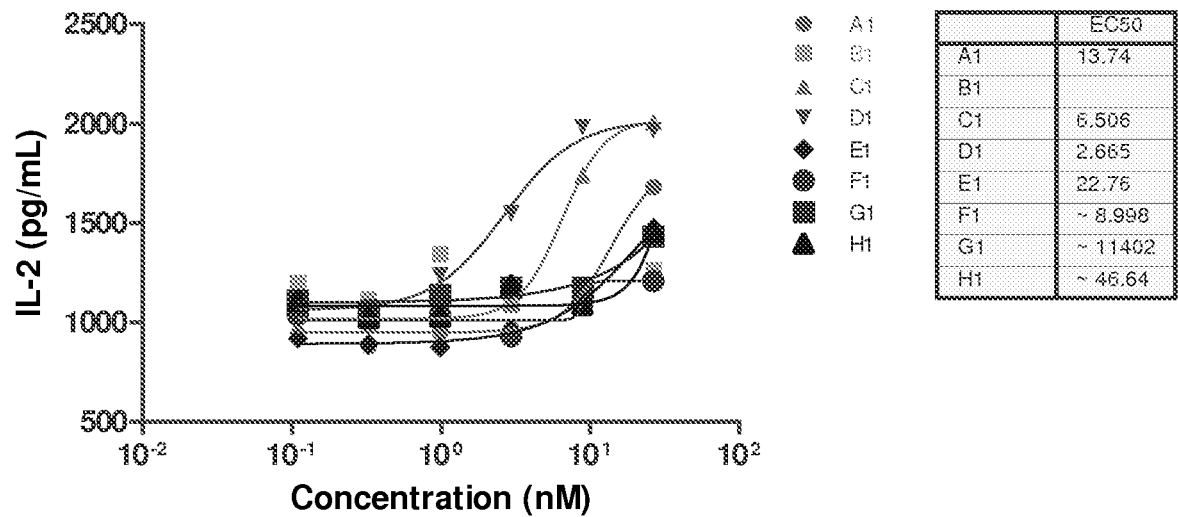


Figure 56A

28F3 variants on IL-2 secretion of 3A9-hGITR cells
in the presence of plate-bound anti-CD3

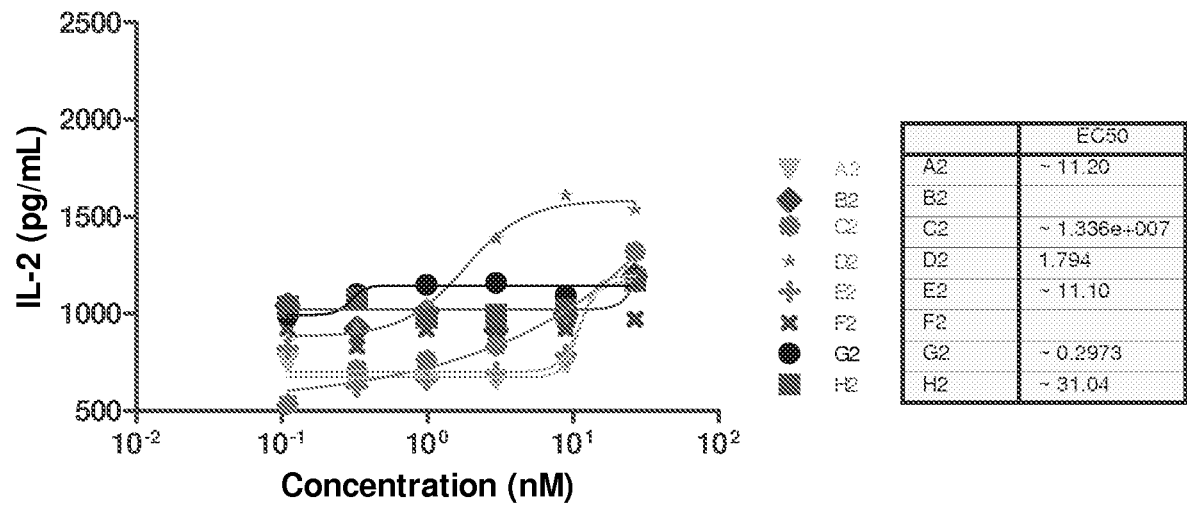


Figure 56B

28F3 variants on IL-2 secretion of 3A9-hG1TR cells
in the presence of plate-bound anti-CD3

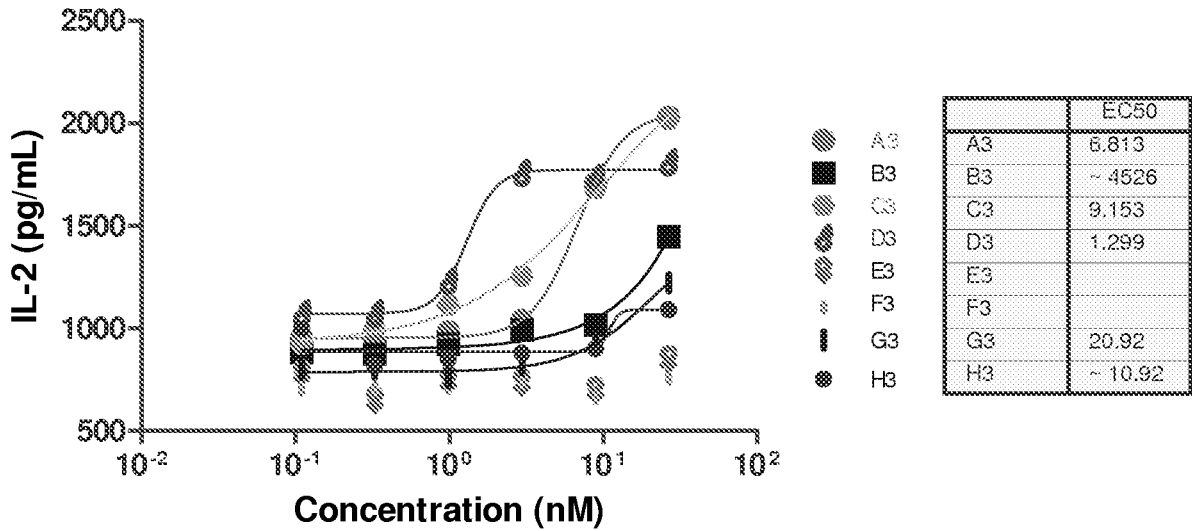


Figure 56C

28F3 variants on IL-2 secretion of 3A9-hG1TR cells
in the presence of plate-bound anti-CD3

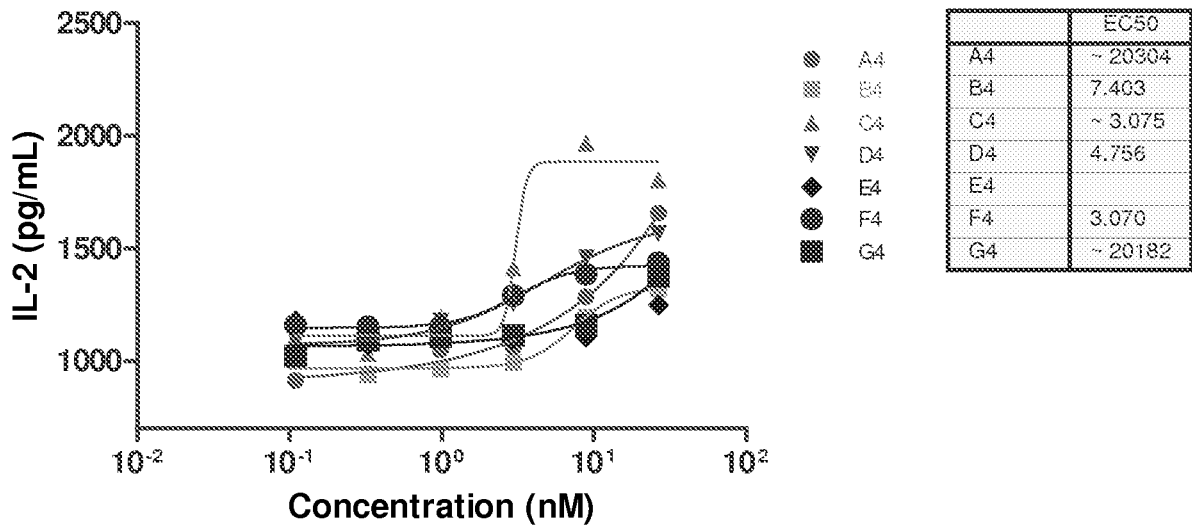


Figure 56D

28F3 variants on IL-2 secretion of 3A9-hGITR cells
in the presence of plate-bound anti-CD3

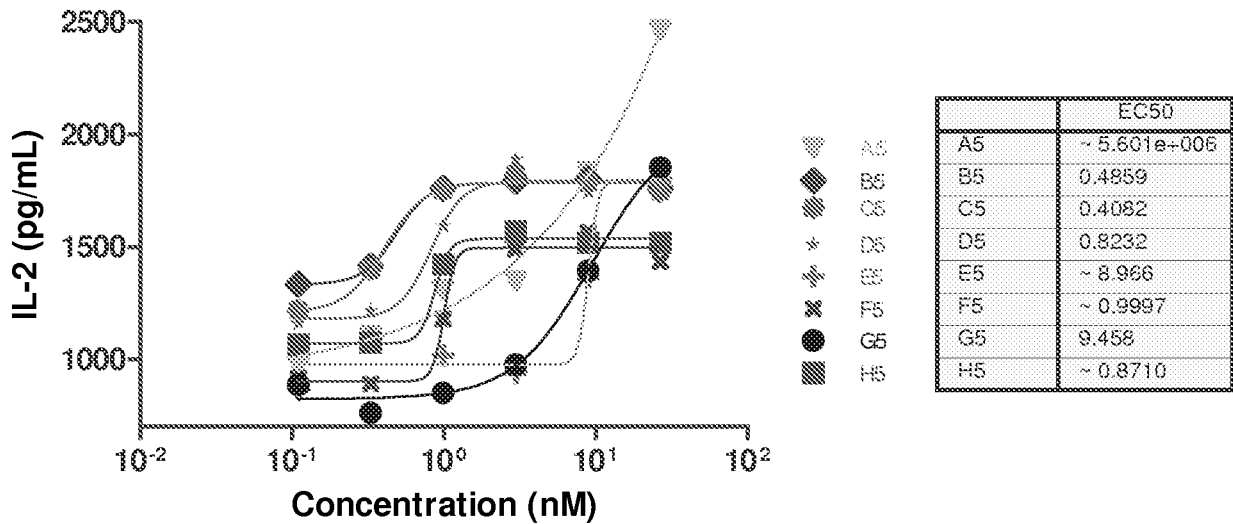


Figure 56E

28F3 variants on IL-2 secretion of 3A9-hGITR cells
in the presence of plate-bound anti-CD3

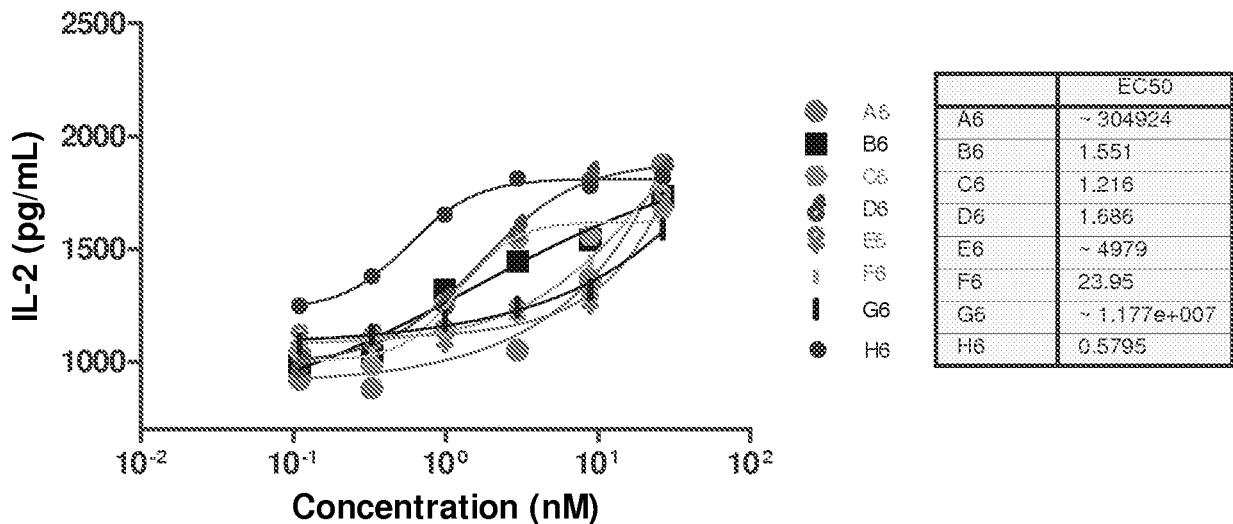
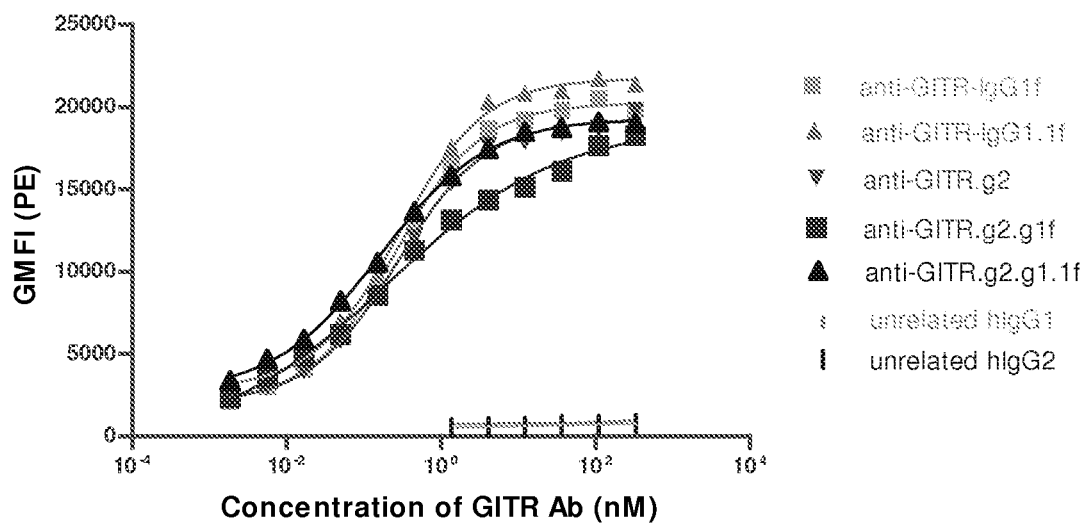


Figure 56F

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	EC50
anti-GITR-IgG1f	0.2566
anti-GITR-IgG1.1f	0.2865
anti-GITR.g2	0.2773
anti-GITR.g2.g1f	0.2034
anti-GITR.g2.g1.1f	0.1628
unrelated hlgG1	131.8
unrelated hlgG2	6.725

Figure 57

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**GITR Abs on IFN-g secretion by CD4 T cells stimulated with
OKT3-expressing CHO cells - Donor#2**

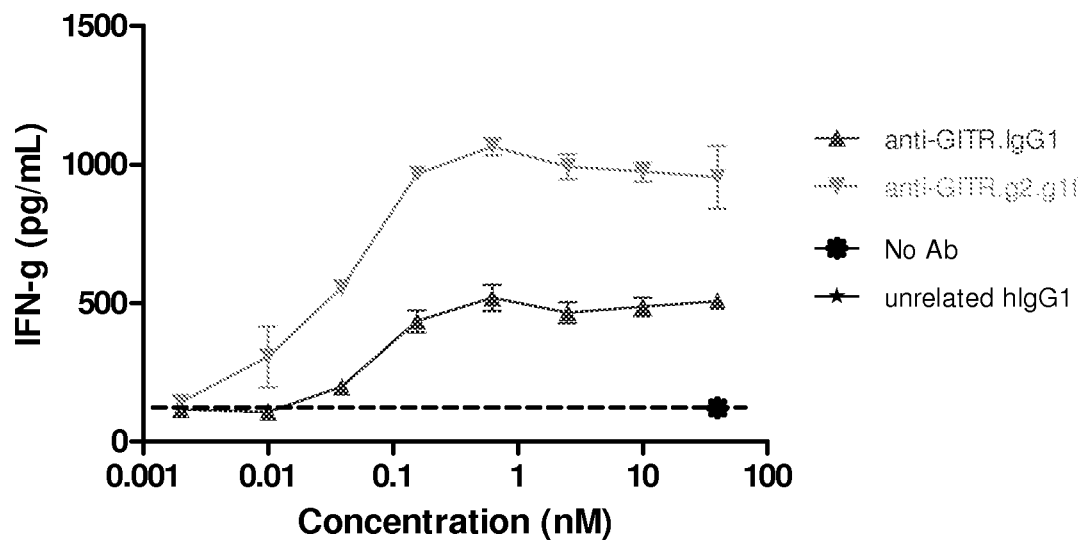


Figure 58A

**GITR Abs on IL-2 secretion by CD4 T cells stimulated
with OKT3 expressing CHO cells - Donor #3**

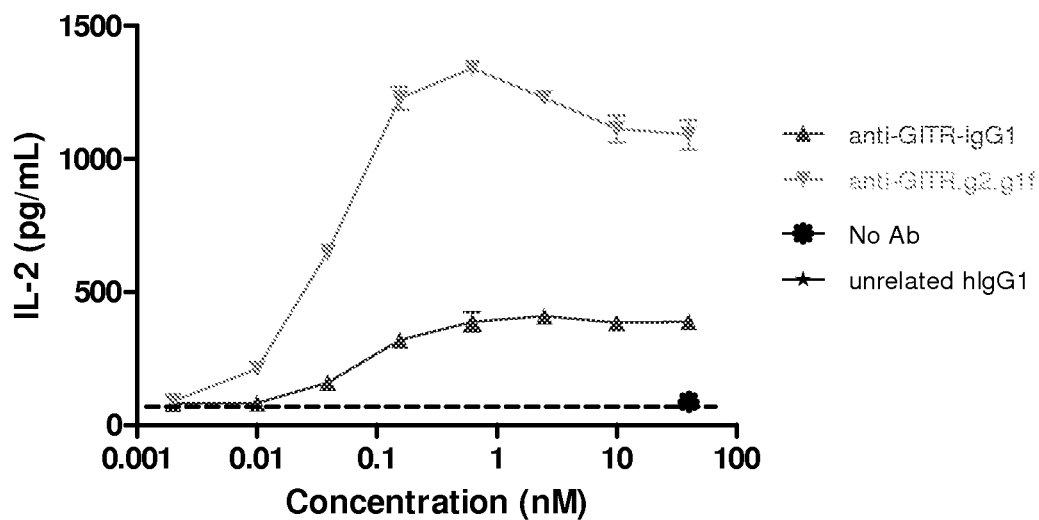


Figure 58B

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**GITR Abs on IL-2 secretion by CD4 T cells stimulated
with OKT3 expressing CHO cells - Donor #3**

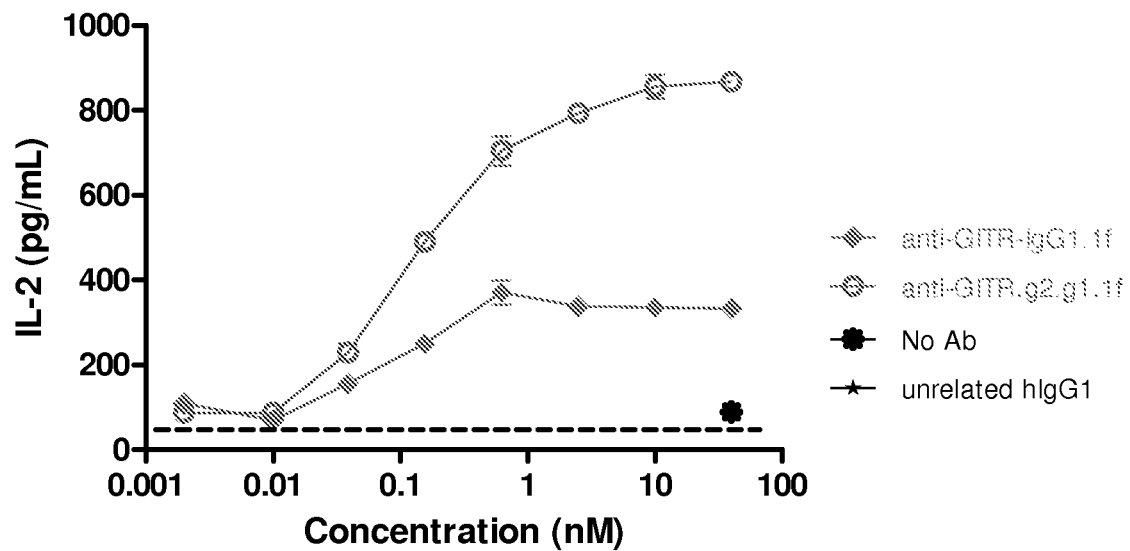


Figure 58C

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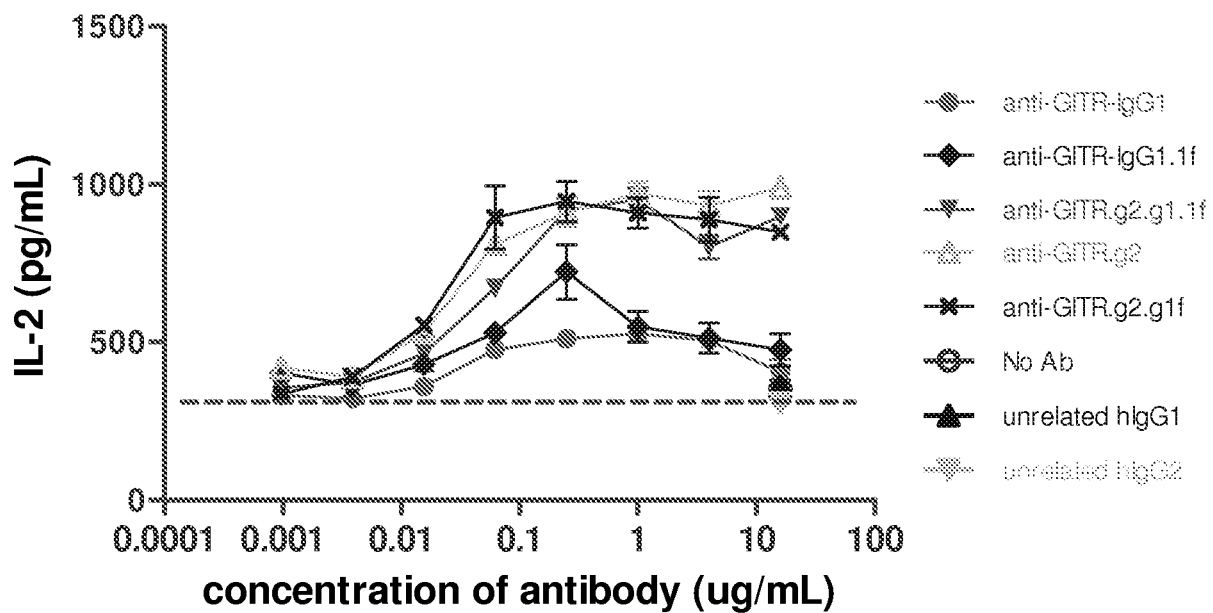


Figure 59

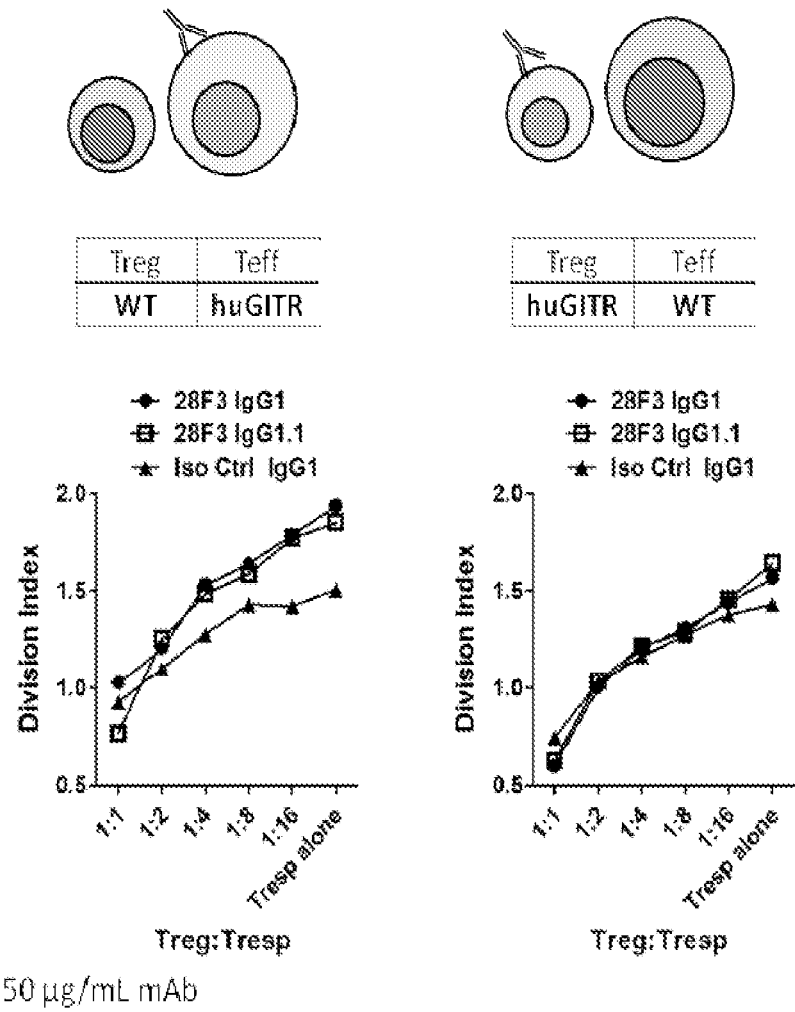


Figure 60A

Figure 60B

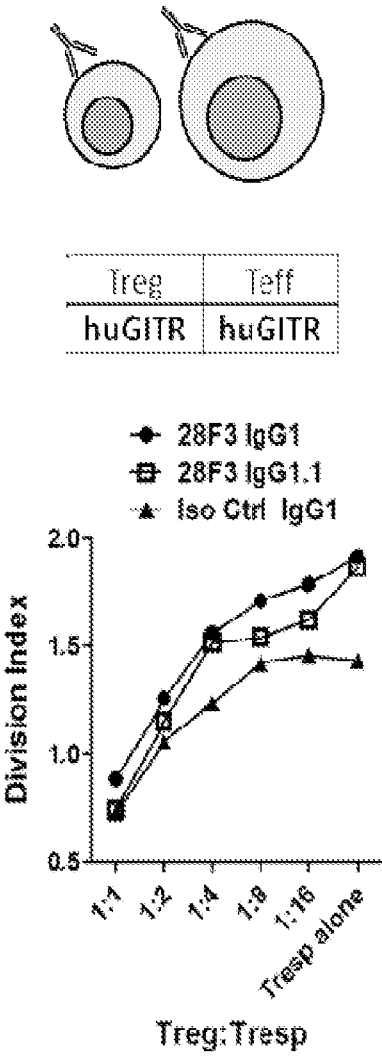


Figure 60C

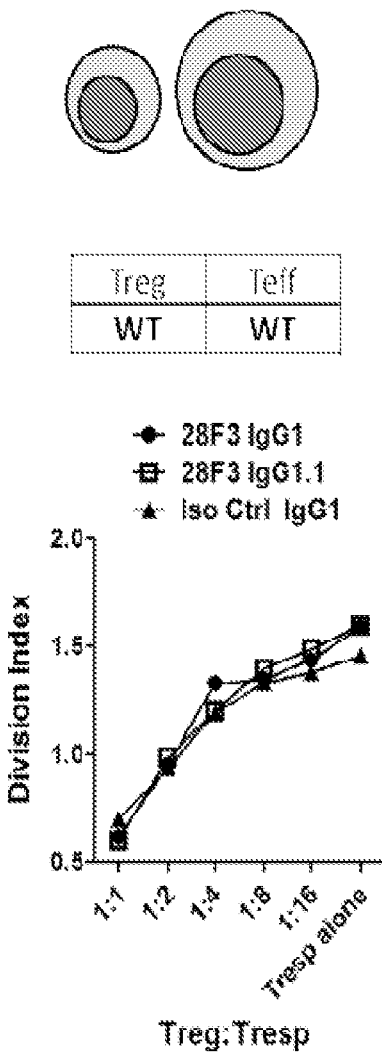


Figure 60D

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Donor 1

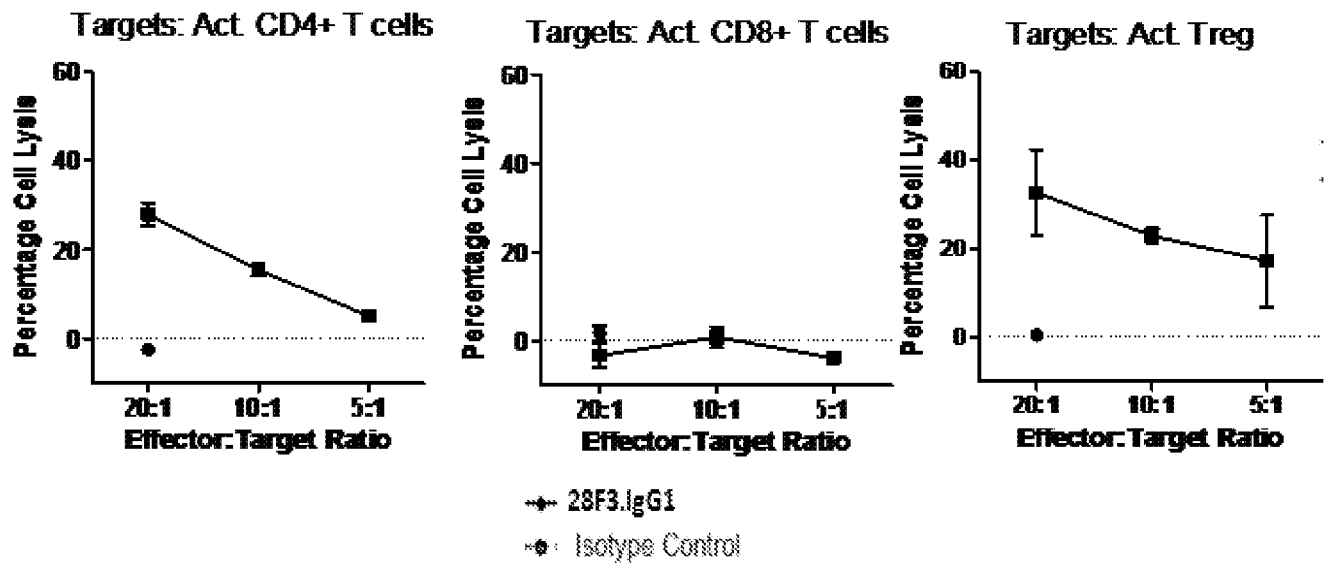


Figure 61A

Figure 61B

Figure 61C

Donor 2

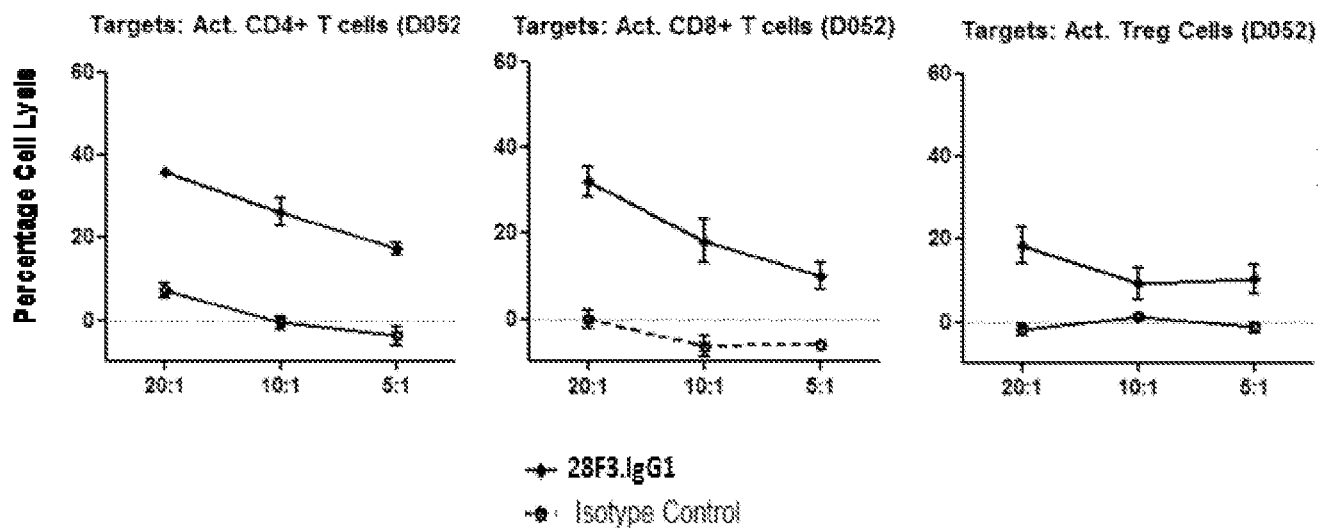


Figure 61D

Figure 61E

Figure 61F

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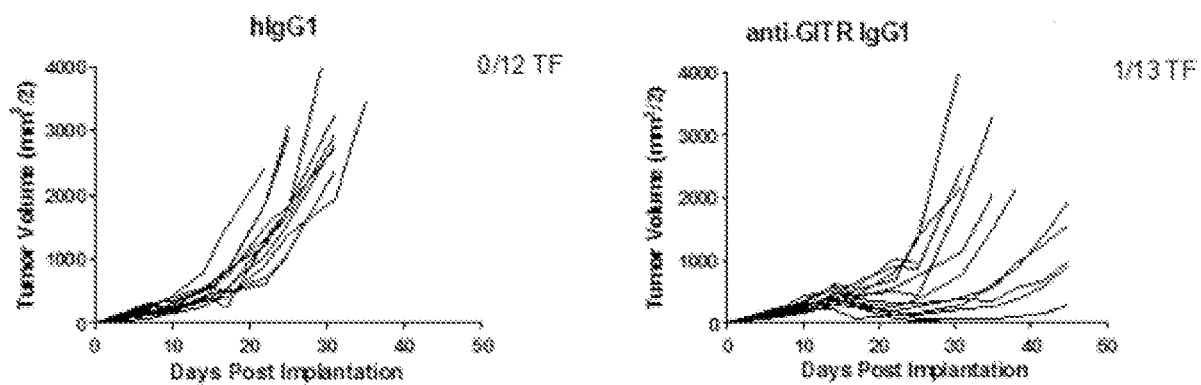


Figure 62A

Figure 62B

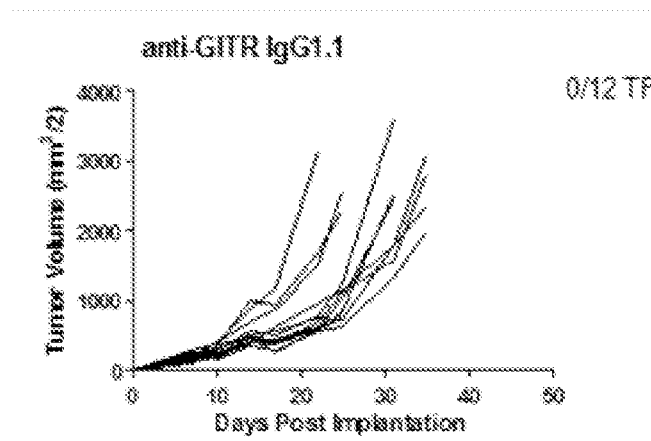


Figure 62C

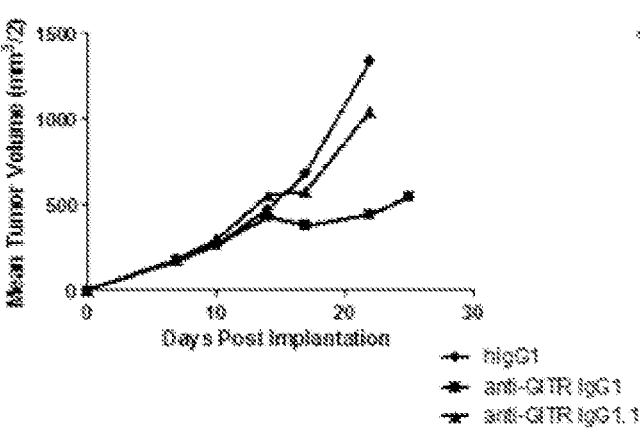


Figure 63A

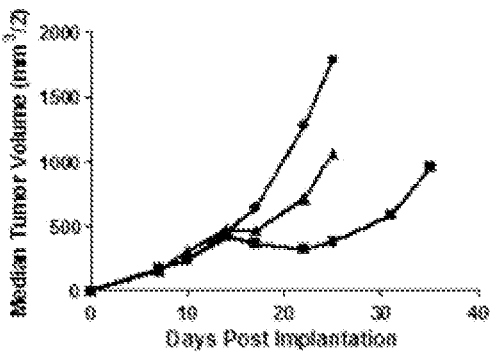


Figure 63B

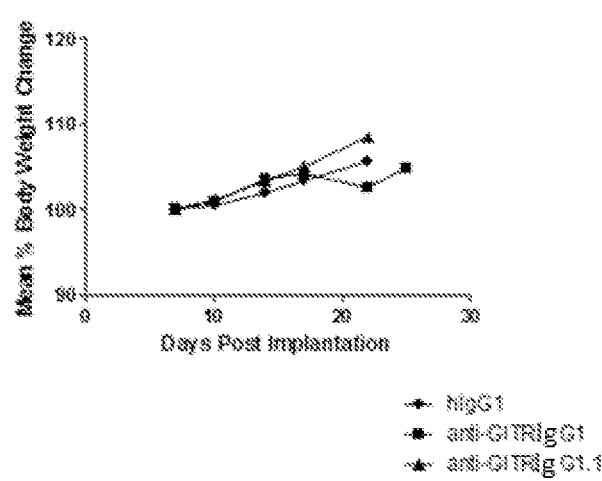


Figure 64A

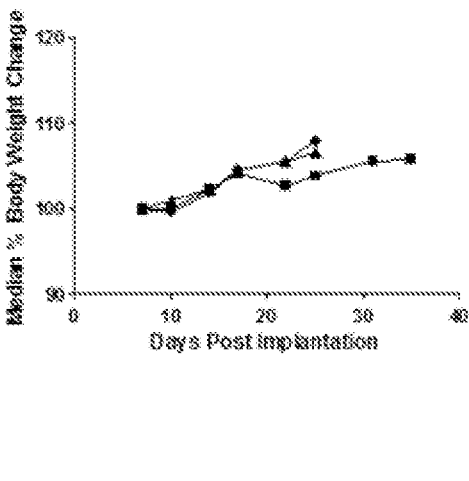


Figure 64B

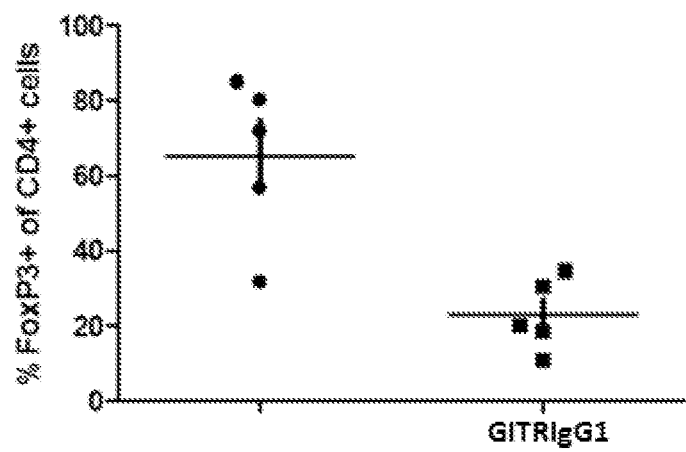


Figure 65

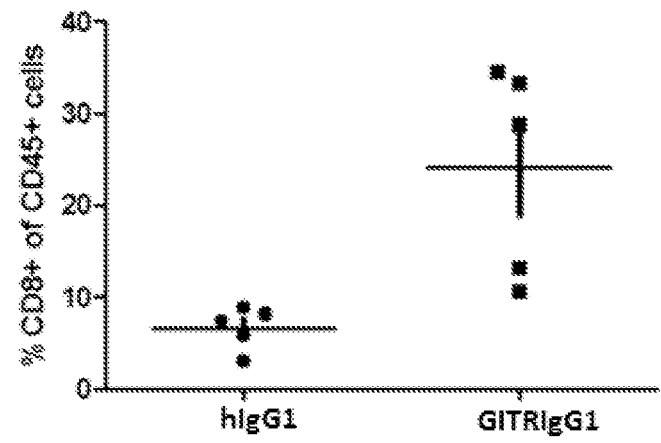


Figure 66

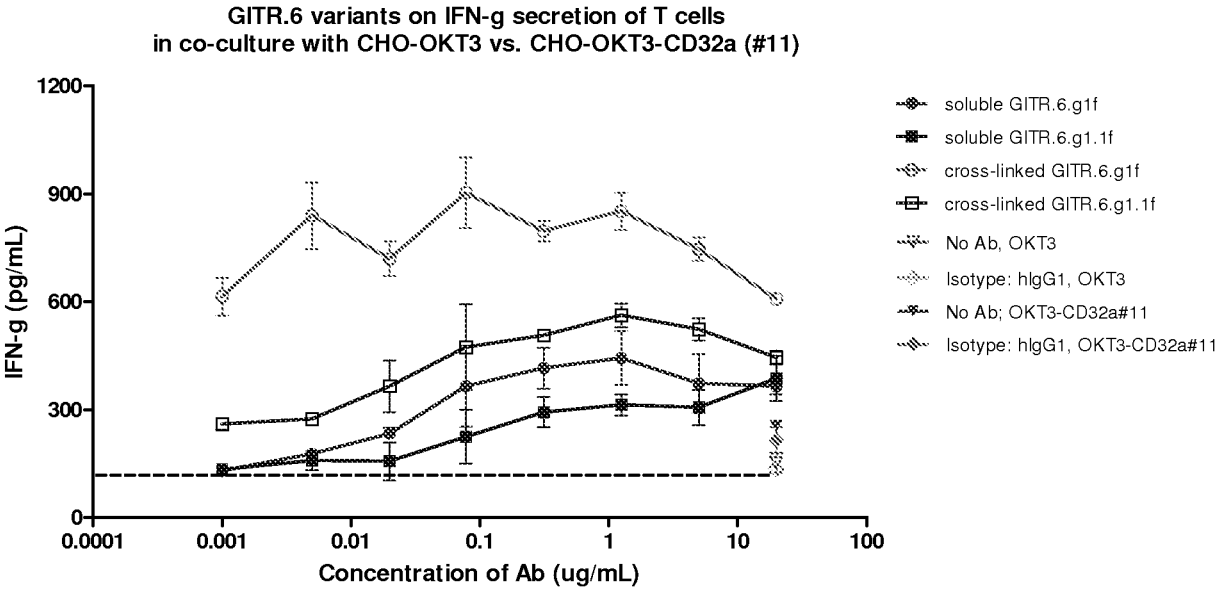


Figure 67

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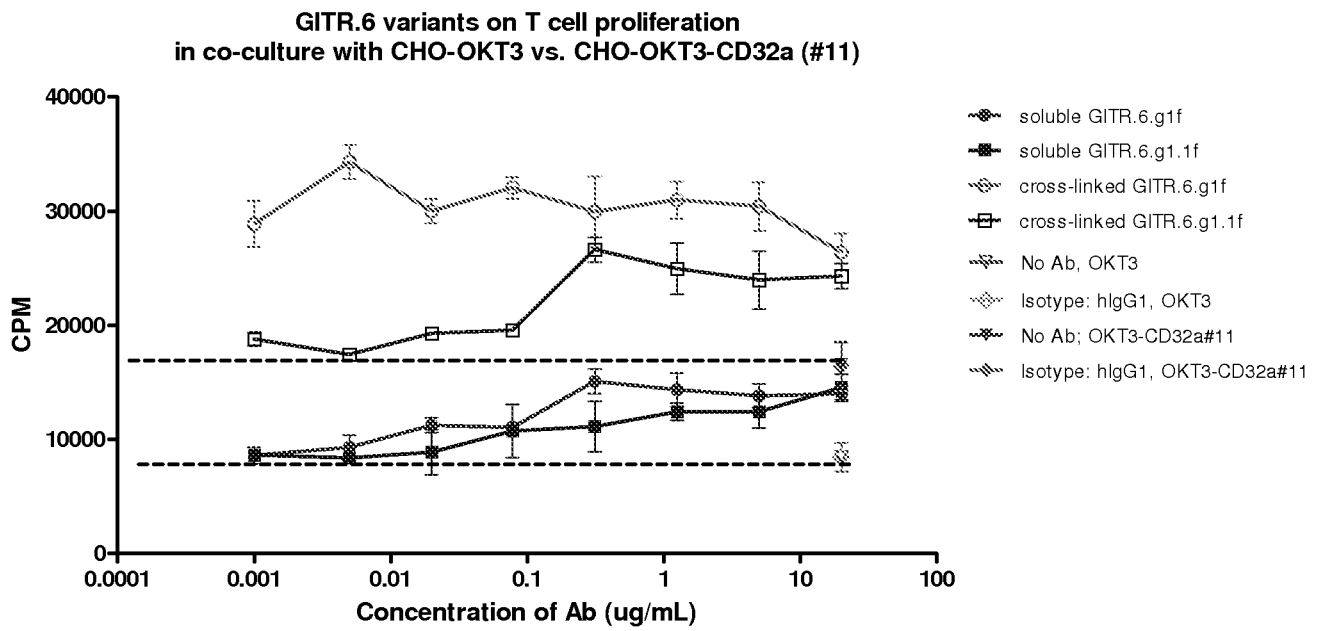


Figure 68