

```

28F3      QVQLVESGGGVVQPGRSLRLSCAASGFTFSYGMHWVRQAPGKGLEWVAVIWYEGSNKYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYFCARGGSMYRGDYYYGMDVWGQGTTITVSS
18E10
QVQLVESGGGVVQPGRSLRLSCAASGFTFSYGMHWVRQAPGKGLEWVAVIWYAGSNKYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYFCARGGRIAFAFYYSMDVWGQGTTITVSS
19D3
QVQLVESGGGVVQPGRSLRLSCAASGFTFSYGFHWVRQAPGKGLEWVAVIWYAGSNKFYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYFCARGGQLDYIIYYVMDVWGQGTTITVSS

VL:
28F3      AIQLTQSPSSLSASVGDRTVITCRASQGISSALAWYQQKPGKAPKLLIYDASSLESGVPSRFSGSGSGTDFTLTISSLQPEDEFAIYYCQQFNSPYPTFGQGTKLEIK
18E10      DIQMTQSPSSLSASVGDRTVITCRASQGISSWLAWYQQKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPEDEFAIYYCQQYNSYPYPTFGQGTKLEIK
19D3      DIQMTQSPSSLSASVGDRTVITCRASQGISSWLAWYQQKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPEDEFAIYYCQQYNSYPYPTFGQGTKLEIK

```

Figure 1

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	
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	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	
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	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

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

52      R   V   T   I   T   C   _CDR1_
AGA GTC ACC ATC ACT TGC CGG GCA AGT CAG GGC ATT AGC AGT GCT TTA GCC

103      W   Y   Q   Q   K   P   G   K   A   P   K   L   L   I   Y   _CDR2_
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

256      Y   Y   C   _CDR3_
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

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

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
	CDR3																
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
	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	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
	CDR6																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 3B

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	
52	L	R	L	S	C	A	A	S	G	F	T	F	S	<u>CDR1</u>				
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	S	Y	G	F	
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	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	<u>CDR3</u>				
	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

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
	CDR3																
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
	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	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
	CDR6																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 4B

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_
      CTG TCC CTC ACC TGC GCT GTC TAT GGT GGG TCC TTC AGT GGT TAC TAC TGG

103    _CDR2_
      ACC TGG ATC CGC CAG CCC CCA GGG AAG GGG CTG GAG TGG ATT GGG AAA ATC

154    N   H   S   G   N   T   N   Y   N   P   S   L   K   S   R   V   T
      AAT CAT AGT GGA AAC ACC AAC TAC AAC CCG TCC CTC AAG AGT CGA GTC ACC

205    I   S   V   D   T   S   K   N   Q   F   S   L   K   L   S   S   V
      ATA TCA GTA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG AGC TCT GTG

256    T   A   A   D   T   A   V   Y   Y   C   A   R   L   G   A   F   D
      ACC GCC GCG GAC ACG GCT GTG TAT TAC TGT GCG AGA CTG GGG GCC TTT 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 5A

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
	CDR3																
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
	CDR3																
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
	CDR3																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 5B

Anti-GITR 3C3 VK2 (hKappa)

V segment: L20

J segment: JK2

1	E	I	V	L	T	Q	S	P	A	T	L	S	L	S	P	G	E
	GAA	ATT	GTG	TTG	ACA	CAG	TCT	CCA	GCC	ACC	CTG	TCT	TTG	TCT	CCA	GGG	GAA
	CDR1																
52	R	A	T	L	S	C	R	A	S	Q	G	V	S	S	Y	L	A
	AGA	GCC	ACC	CTC	TCC	TGC	AGG	GCC	AGT	CAG	GGT	GTT	AGC	AGC	TAC	TTA	GCC
	CDR2																
103	W	Y	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	D	A
	TGG	TAC	CAG	CAG	AAA	CCT	GGC	CAG	GCT	CCC	AGG	CTC	CTC	ATC	TAT	GAT	GCA
	CDR3																
154	S	N	R	A	T	G	I	P	A	R	F	S	G	S	G	P	G
	TCC	AAC	AGG	GCC	ACT	GGC	ATC	CCA	GCC	AGG	TTC	AGT	GGC	AGT	GGG	CCT	GGG
205	T	D	F	T	L	T	I	S	S	L	E	P	E	D	F	A	V
	ACA	GAC	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTA	GAG	CCT	GAA	GAT	TTT	GCA	GTT
	CDR3																
256	Y	Y	C	Q	Q	R	S	N	W	H	T	F	G	Q	G	T	K
	TAT	TAC	TGT	CAG	CAG	CGT	AGC	AAC	TGG	CAC	ACT	TTT	GGC	CAG	GGG	ACC	AAG
307	L	E	I	K													
	CTG	GAG	ATC	AAA													

Figure 5C

Anti-GITR 2G6 VH (hIgG1)

V segment: 3-33

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	
	CDR1																	
52	L	R	L	S	C	A	A	S	G	F	I	L	S	D	Y	G	M	
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ATC	TTG	AGT	GAC	TAT	GGC	ATG	
	CDR2																	
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	
	CDR3																	
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	
	CDR3																	
256	L	R	V	E	D	T	A	V	Y	Y	C	A	R	G	G	R	L	
	CTG	AGA	GTC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGA	CGT	CTA	
	CDR3																	
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

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
	<hr/>																
	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
	<hr/>																
	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
	<hr/>																
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
	<hr/>																
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
	<hr/>																
	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
	<hr/>																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 6B

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
	<hr/>																
	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
	<hr/>																
	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
	<hr/>																
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
	<hr/>																
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
	<hr/>																
	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
	<hr/>																
307	K	L	E	I	K												
	AAG	CTG	GAG	ATC	AAA												

Figure 7B

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

Figure 8B

Figure 8B

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

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
	CDR3																
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

Anti-GITR 14E3 VH (hIgG1)

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
	CDR1																
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
	CDR2																
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
	CDR3																
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
	CDR3																
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
	CDR3																
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

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
	CDR3																
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	P	T	F	G	Q	G	T
	TAT	TAC	TGC	CAA	CAG	TAT	AAT	AGT	TAC	CCT	CCG	ACG	TTC	GGC	CAA	GGG	ACC
307	K	V	E	I	K												
	AAG	GTG	GAA	ATC	AAA												

Figure 9B

Anti-GITR 19H8 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	N	Y	G	M	
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	ATG	
	CDR2																	
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	
	CDR3																	
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	
	CDR3																	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	A	M	
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGG	GCT	ATG	
	CDR3																	
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

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

Figure 10C

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

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
	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 11B

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

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR1																							
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR2																							
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR3																							
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L18	N	Y																					
JK2			Y	T	F	G	Q	G	T	K	L	E	I	K									
28F3 VK	S	-	P	-	-	-	-	-	-	-	-	-	-	-									

Figure 13

Anti-GITR 18E10 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	
18E10	VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-33	_CDR1_																							
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	
18E10	VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-33	_CDR2_																							
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	
18E10	VH	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	
18E10	VH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-33	_CDR3_																							
6-19	V	Y	Y	C	A	R																		
JH6											I	A	V	A										
18E10	VH	-	-	-	-	-	G	G	R	-	-	-	-	F	-	Y	Y	G	M	D	V	W	G	Q
JH6	G	T	T	V	T	V	S	S																
18E10	VH	-	-	-	-	-	-	-																

Figure 14

Anti-GITR 18E10 VK (hKappa)

[illegible][illegible][illegible]

		D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	Y	Y	C	CDR3			
L15																					Q	Q	Y	N
18E10	VK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[illegible]

Figure 15

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR1																							
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	-	-	-	-	-	-	-	-	-	-	-	-
CDR2																							
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	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CDR3																							
3-33	V	Y	Y	C	A	R																	
3-16												D	Y										
JH6												Y	Y	Y	Y	Y	G	M	D	V	W	G	Q
19D3 VH	-	-	-	-	-	-	G	G	Q	L	-	-	-	-	-	-	V	-	-	-	-	-	-
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

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						
	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-						
4-34 INPUT	W	I	G	<u>CDR2</u>																	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L20	<u>CDR1</u>																						
INPUT	R	A	S	Q	G	V	S	S	Y	L	A	W	Y	Q	Q	K	P	G	Q	A	P	R	L
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L20				<u>CDR2</u>																			
INPUT	L	I	Y	D	A	S	N	R	A	T	G	I	P	A	R	F	S	G	S	G	P	G	T
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L20																				<u>CDR3</u>			
INPUT	D	F	T	L	T	I	S	S	L	E	P	E	D	F	A	V	Y	Y	C	Q	Q	R	S
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L20	<u> </u>																						
JK2	N	W																					
INPUT	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Figure 19B

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	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-
3-33 JH6 INPUT	V	Y	Y	C	A	R																	
	-	-	-	-	-	-	G	G	R	L	A	T	G	H	F		Y	Y	G	M	D	V	W
																	-	-	V	-	-	-	-
JH6 INPUT	Q	G	T	T	V	T	V	S	S														
	-	-	-	-	-	-	-	-	-														

Figure 20

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L15	<u>S</u>					Y																	
JK2				Y	T	F	G	Q	G	T	K	L	E	I	K								
INPUT	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-								

Figure 21

Anti-GITR 8A6 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
INPUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T
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
INPUT	-	-	-	-	-	-	-	-	-	-	-	Q	-	-	-	-	-	-	-	-	-	-	-
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
INPUT	-	-	-	-	-	-	-	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
INPUT	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-33	V	Y	Y	C	A	R																	
3-10											M	V	R	G									
JH6																Y	Y	G	M	D	V	W	G
INPUT	-	-	-	-	-	-	G	G	L	-	-	-	-	L	F	-	-	-	-	-	-	-	-
JH6	Q	G	T	T	V	T	V	S	S														
INPUT	-	-	-	-	-	-	-	-	-														

Figure 22

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L18	N	Y																					
JK2			Y	T	F	G	Q	G	T	K	L	E	I	K									
INPUT	S	-	P	-	-	-	-	-	-	-	-	-	-	-									

Figure 23

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
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
								<u>CDR1</u>															
3-15 INPUT	A	S	G	F	T	F	S	N	A	W	M	S	W	V	R	Q	A	P	G	K	G	L	E
	-	-	-	-	-	-	-	T	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				<u>CDR2</u>																			
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	-	-	-
				<u>CDR3</u>																			
3-15 3-10 JH6 INPUT	T	A	V	Y	Y	C	T	T									Y	Y	Y	G			
																	Y	Y	Y	Y	G	M	D
	-	-	-	-	-	-	-	-	G	Q	L	I	P	-	S	-	-	-	-	-	-	-	-
JH6 INPUT	G	Q	G	T	T	V	T	V	S	S													
	-	-	-	-	S	-	-	-	-	-													

Figure 24

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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

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	-	-	-	-	-	-	-	-	-	-	-							
4-34 INPUT	W	I	G	<u>CDR2</u>											S	L	K	S	R	V	T	I								
	-	-	-	E	I	N	H	S	G	S	T	N	Y	N	P	S	-	-	-	-	-	-	-							
				-	-	-	-	-	-	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 INPUT	Y	Y	C	A	R	<u>CDR3</u>											D	A	F	D	I	W	G	Q	G	T	M	V	T	V
	-	-	-	-	-	F	G	S	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
JH3 INPUT	S	S																												
	-	-																												

Figure 26

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L15	S	Y																					
JK1						T	F	G	Q	G	T	K	V	E	I	K							
INPUT	-	-	P	P	-	-	-	-	-	-	-	-	-	-	-	-							

Figure 27

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										Y	Y	Y					
																Y	Y	Y	G	M	D	V	W
	-	-	-	-	-	-	G	G	A	M	V	R	G	V	-	-	-	-	-	-	-	-	-
JH6 INPUT	Q	G	T	T	V	T	V	S	S														
	-	-	-	-	-	-	-	-	-														

Figure 28

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L18	<u> </u>																						
JK1	N	Y																					
					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	<u> </u>																						
JK4	N	W																					
INPUT	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Figure 29B

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	-	-	-	-	-	-	-	-	-	-	-	-	-		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u> </u>																						
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

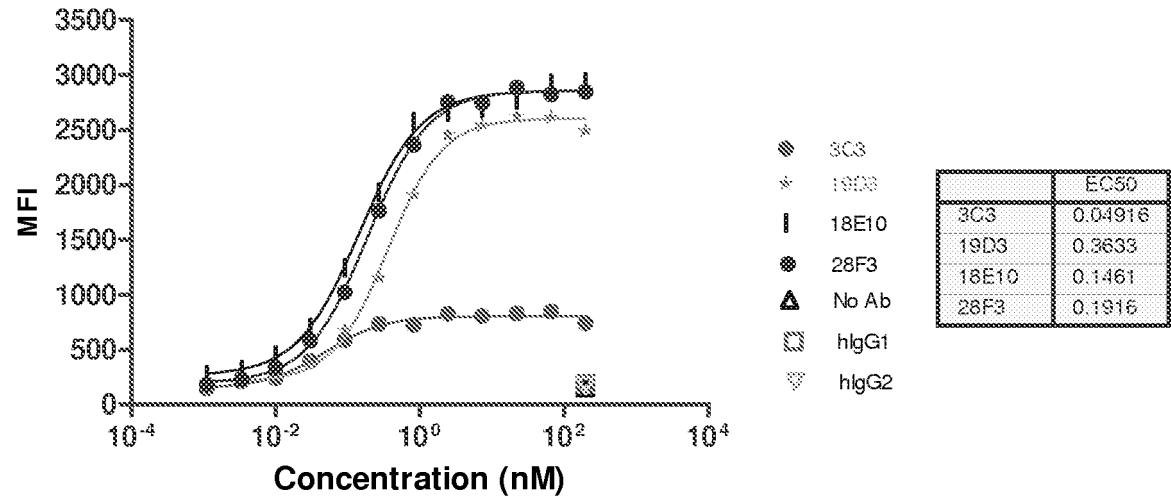


Figure 32

Binding of GITR mAbs to activated cyno T cells

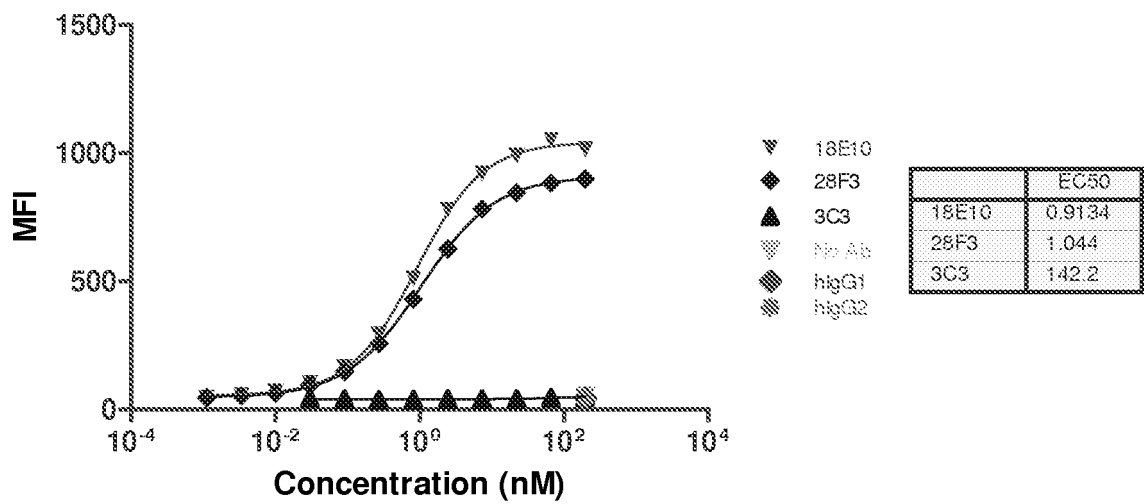


Figure 33

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

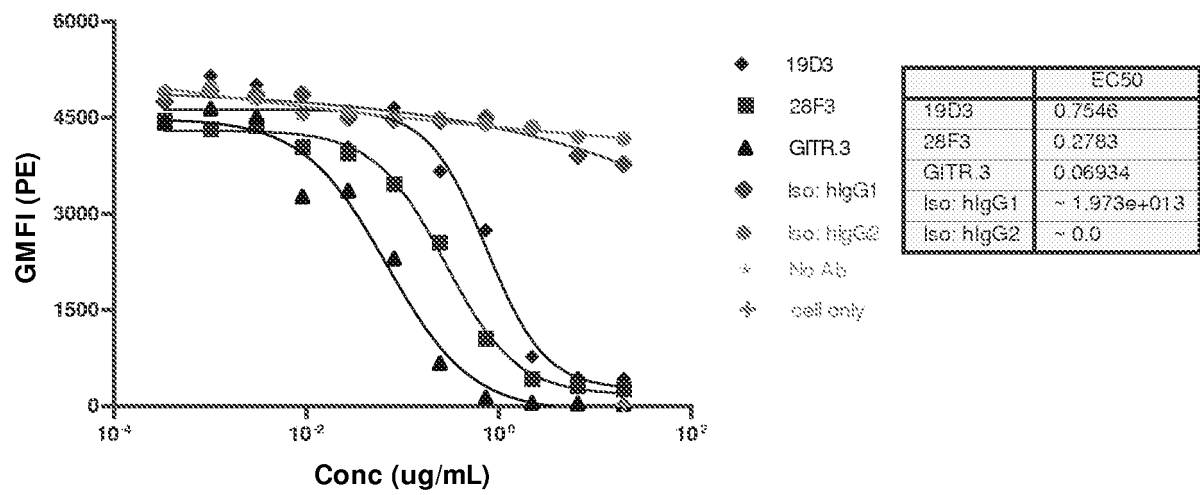


Figure 34A

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

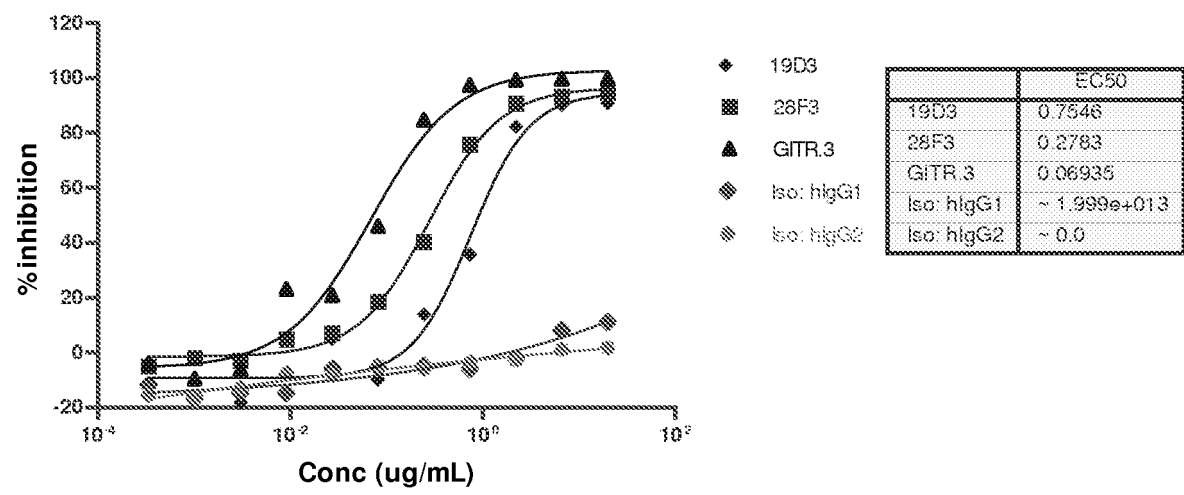


Figure 34B

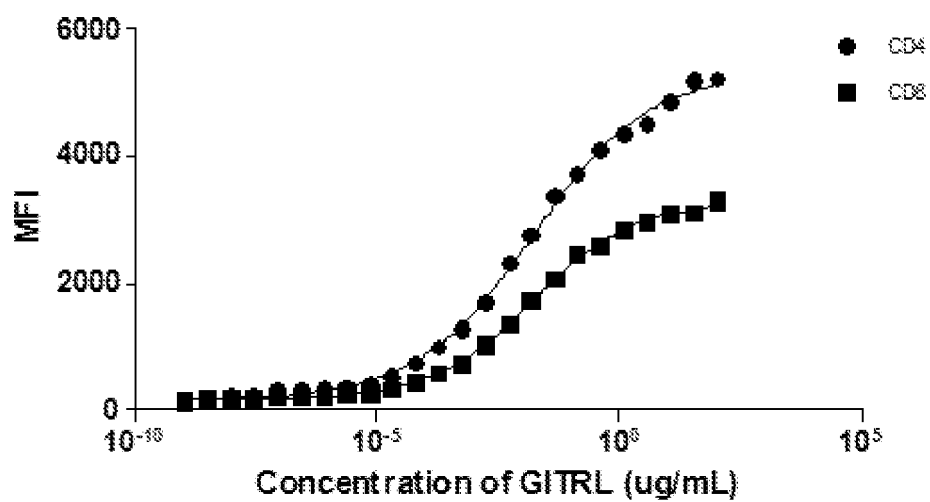


Figure 34C

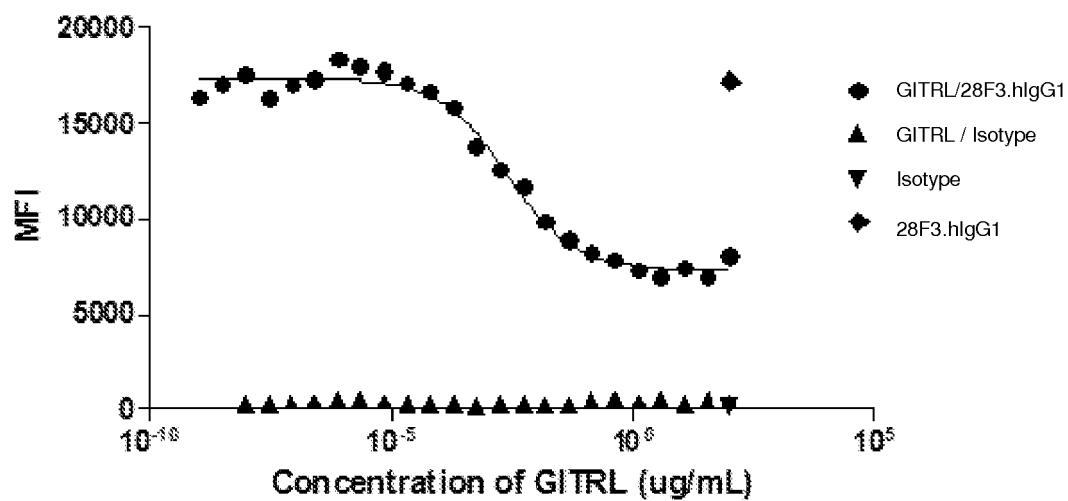


Figure 34D

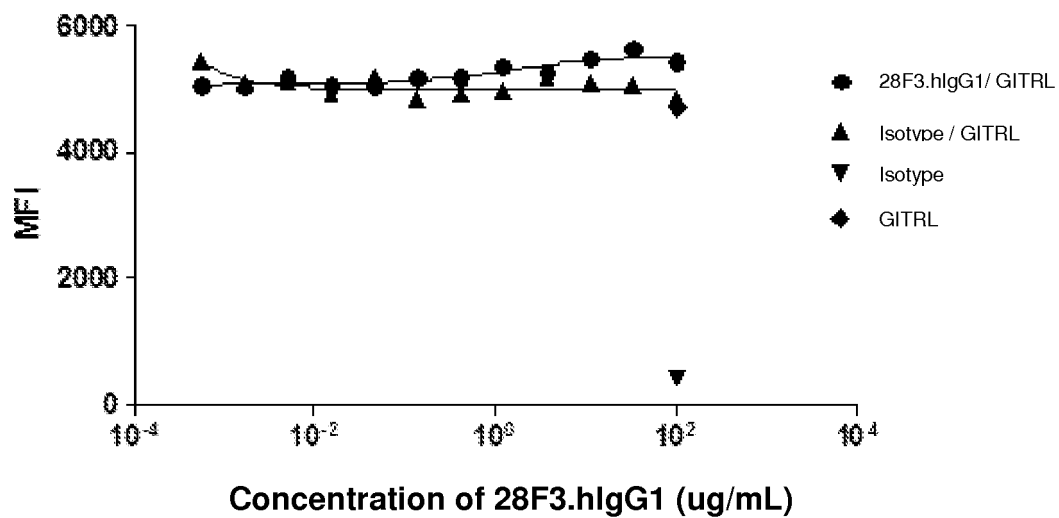
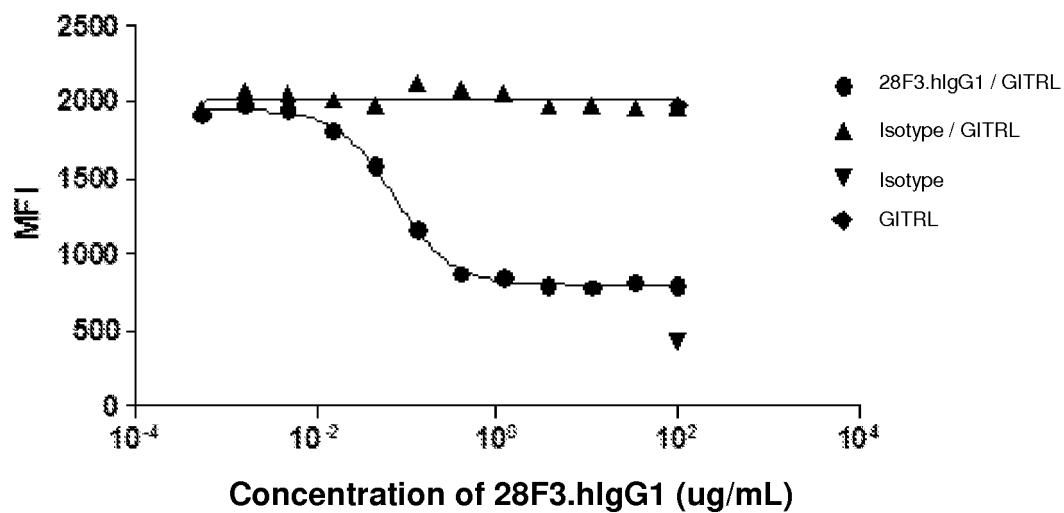


Figure 34E



	28F3.hlgG1 / GITRL
IC50	0.07575

Figure 34F

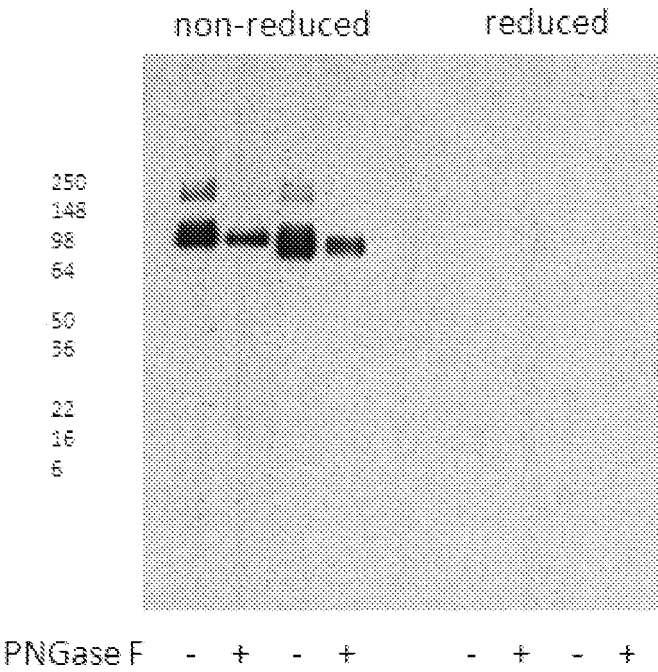


Figure 35A

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Figure 35B

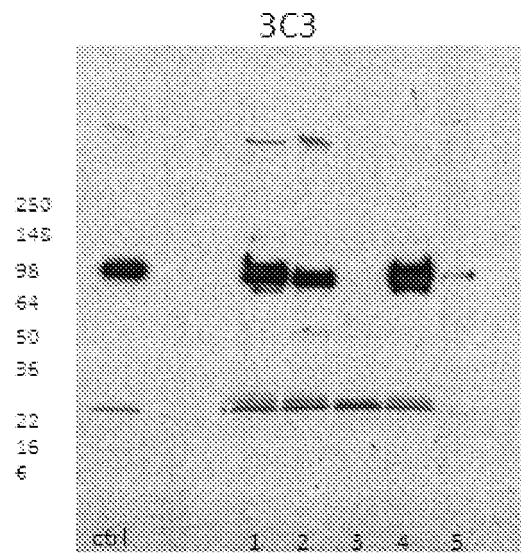


Figure 36A

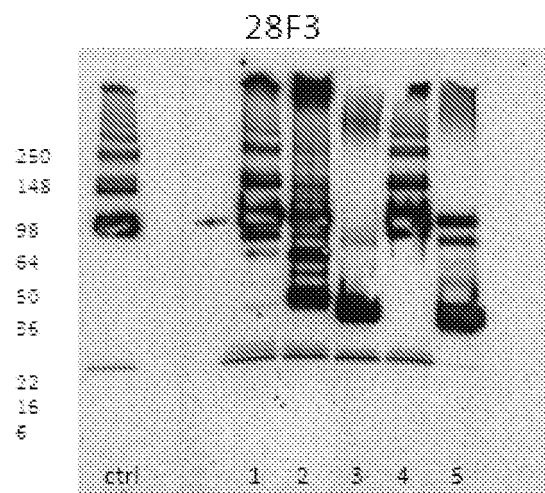


Figure 36B

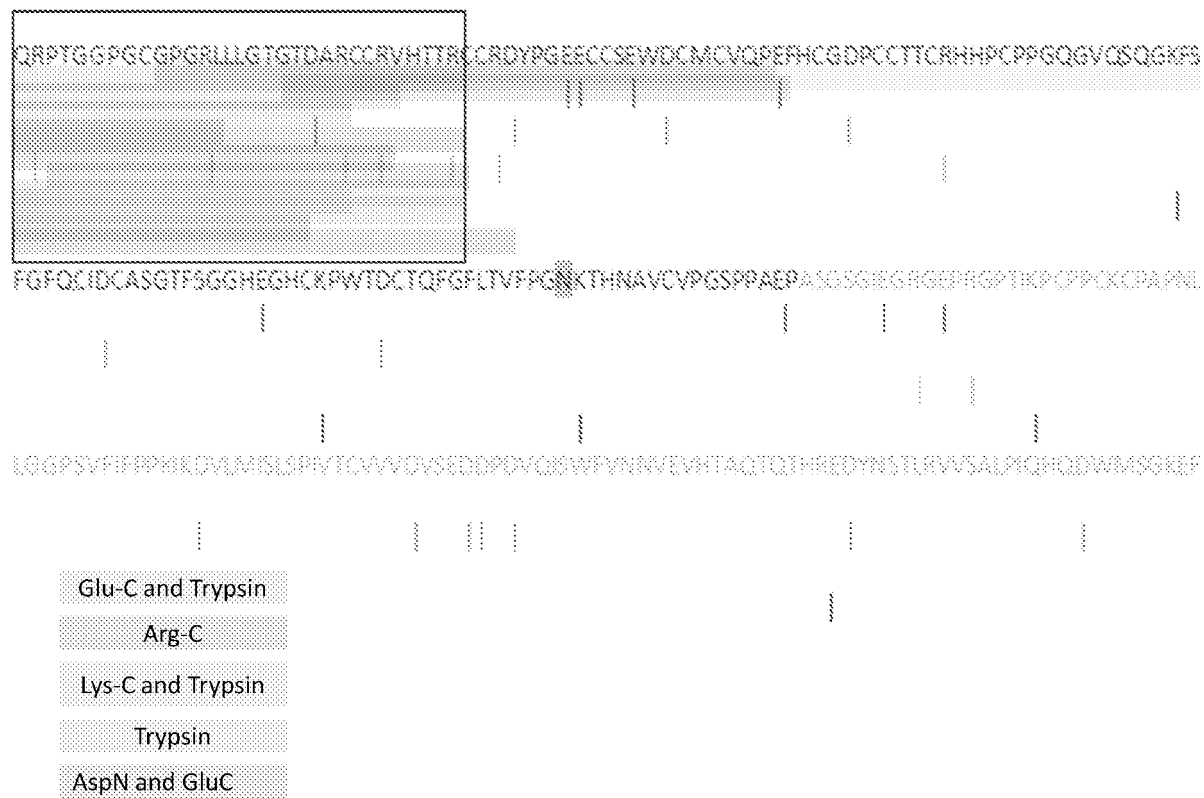
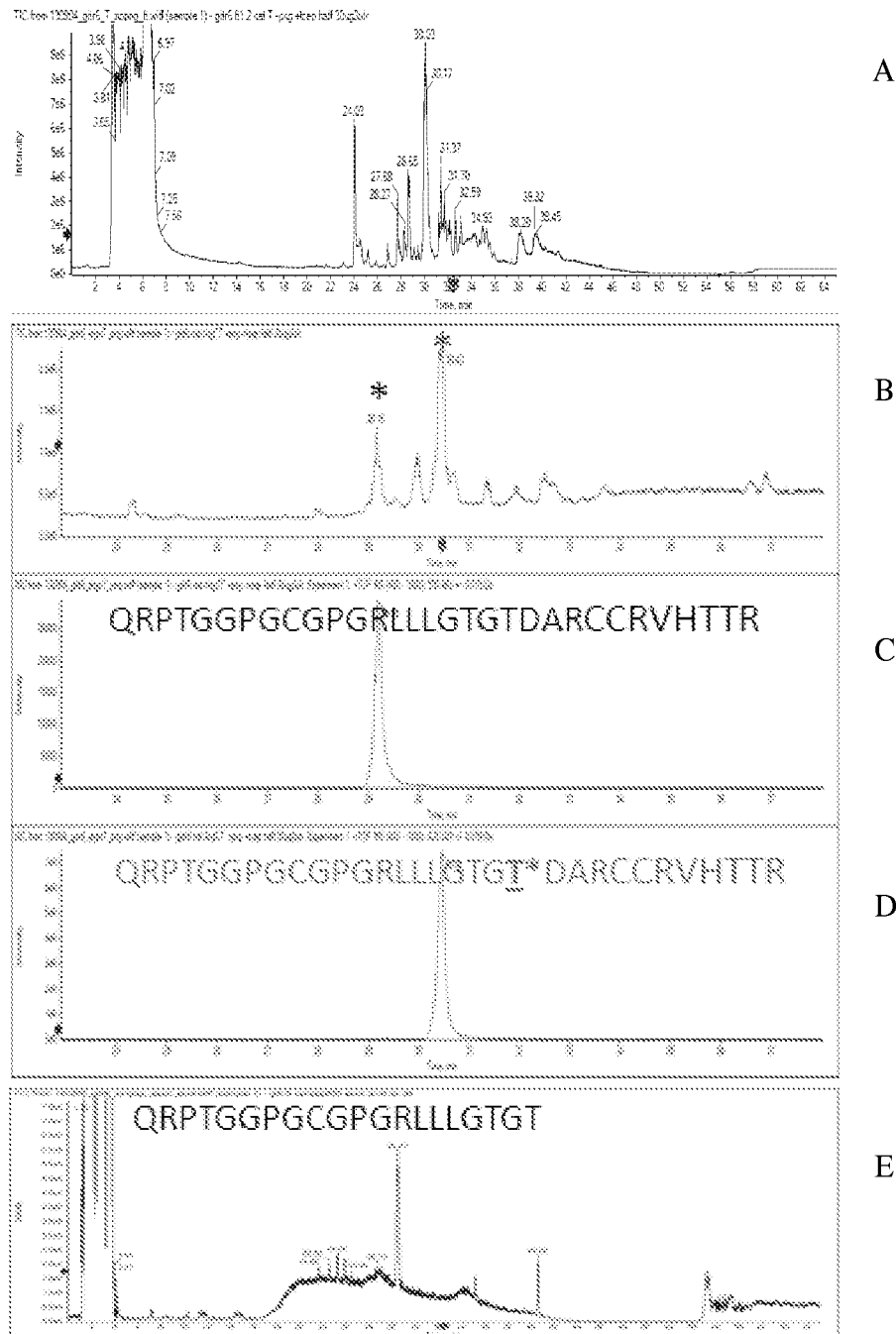
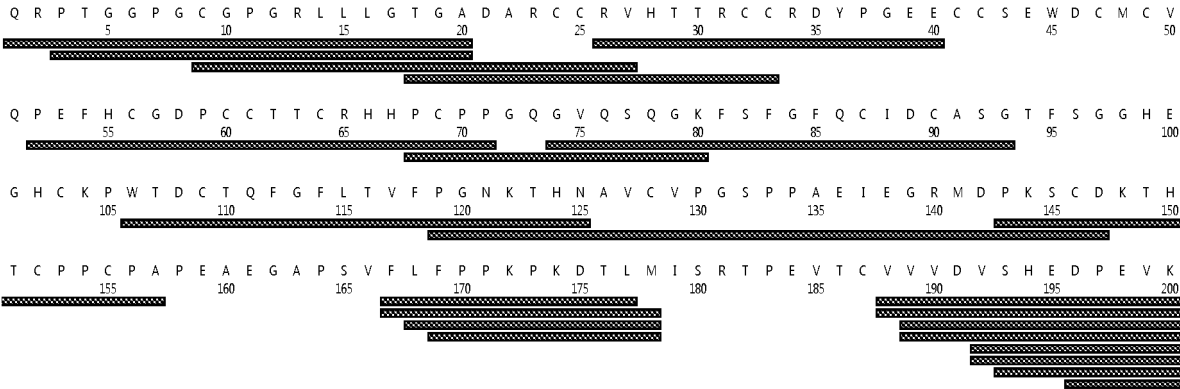


Figure 37

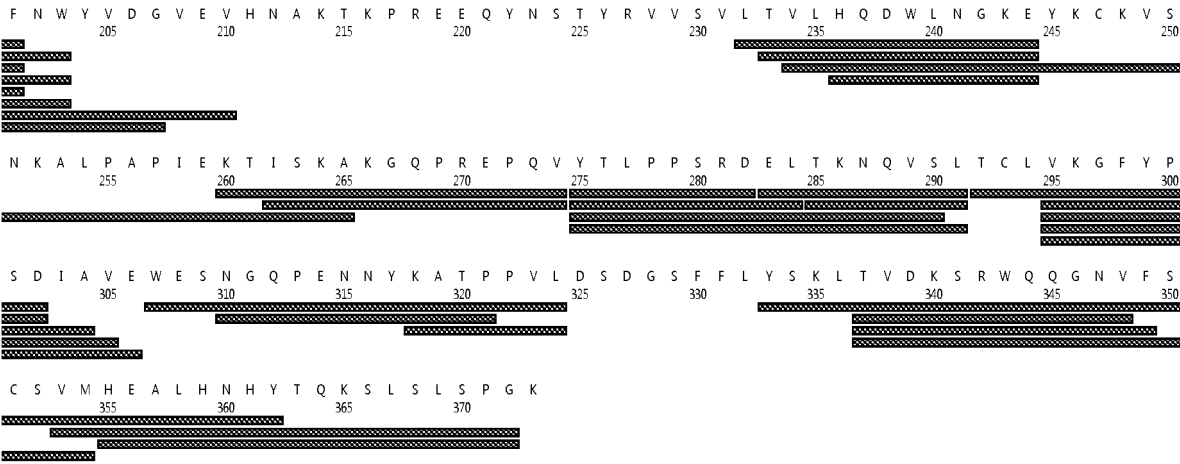


Figures 38A-38E

GITR



IgG-Fc



Total: 81.0% Coverage, 2.38Redundancy

86% sequence
coverage

Figure 39A

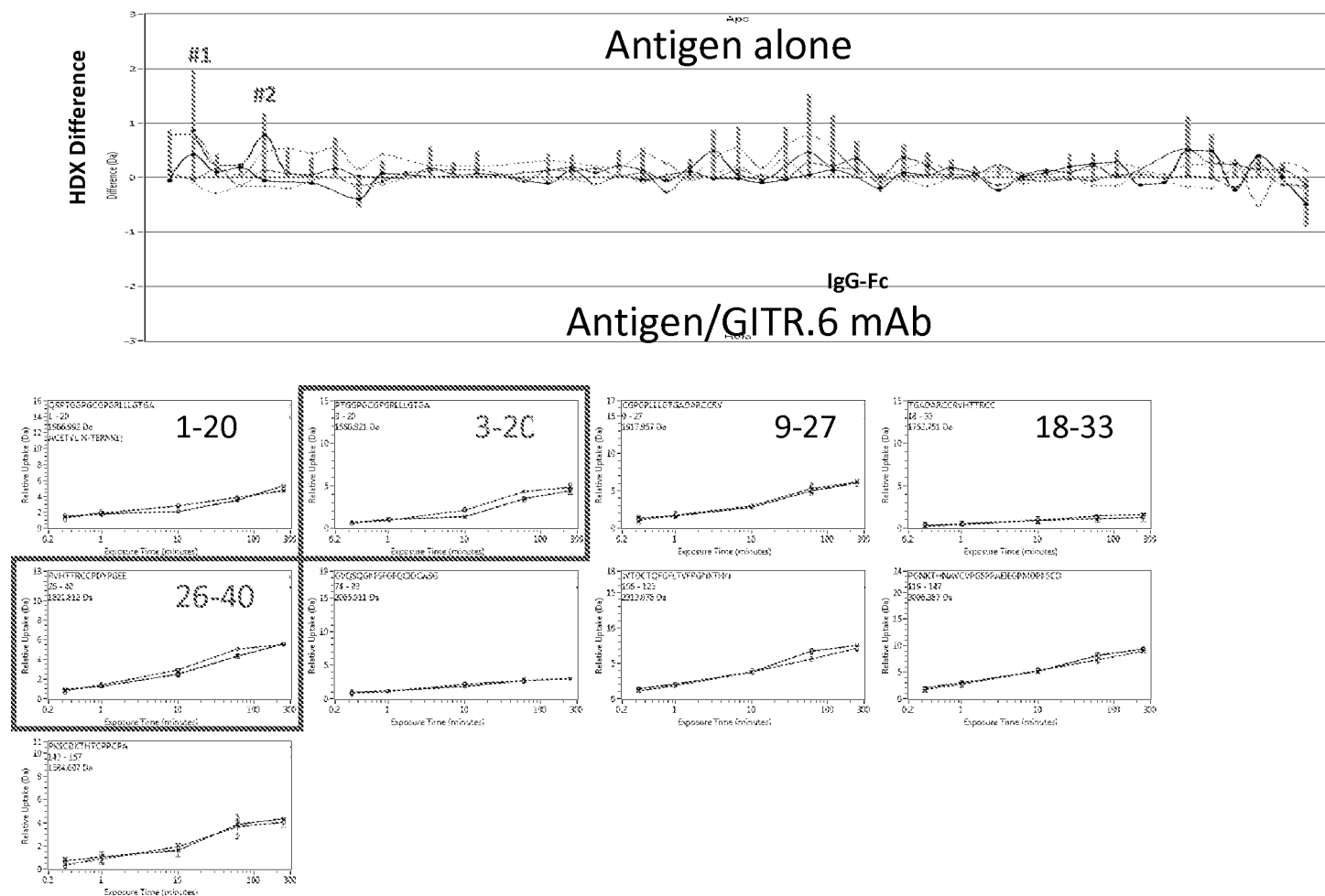


Figure 39B

¹QRPTGGPGCG ¹¹PGRLLLGTGA ²¹DARCCRVHTT ³¹RCCRDYPGEE

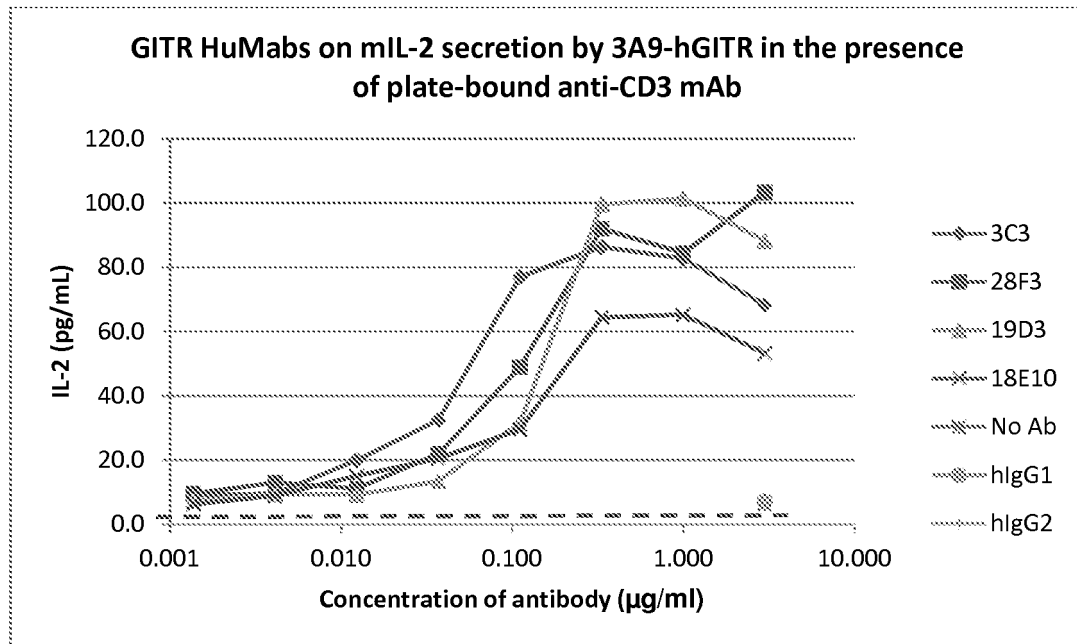
Ranking #1 *Ranking #2*

⁴¹CCSEWDCMCV ⁵¹QPEFHC GDPC ⁶¹CTTCRHHPCP ⁷¹PGQGVQSQ GK

⁸¹FSFGFQC IDC ⁹¹ASGTFSGGHE ¹⁰¹GHCKPWT DCT ¹¹¹QFGFLT V FPG

¹²¹NKTHNAV CVP ¹³¹GSPPAEIEGR ¹⁴¹MD

Figure 39C

**Figure 40**

**GITR mAbs on mIL-2 secretion by 3A9-hGITR cells
stimulated with LK35.2/HEL48-62 peptide**

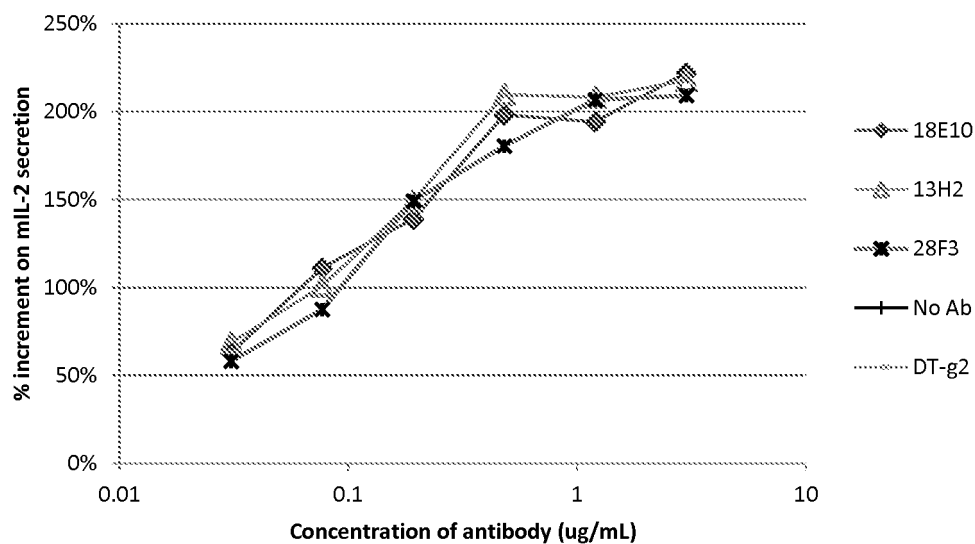


Figure 41A

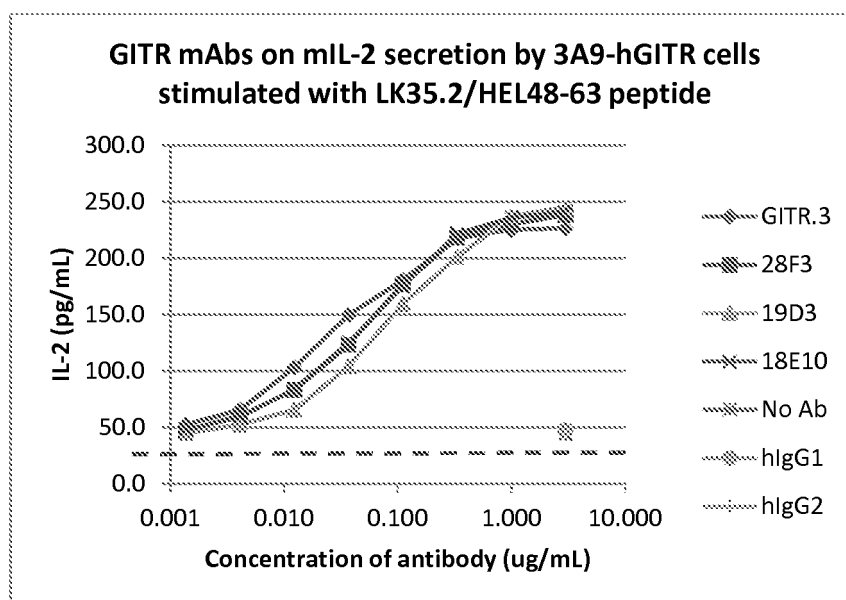
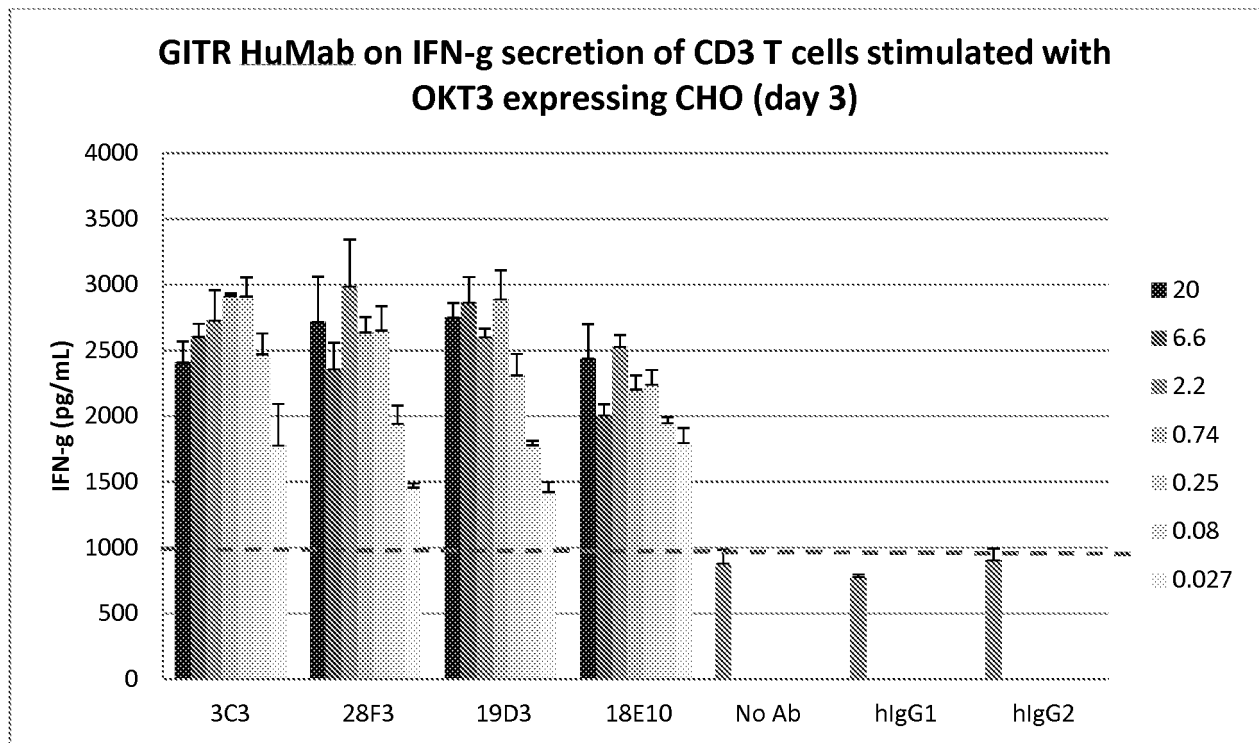


Figure 41B

**Figure 42A**

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

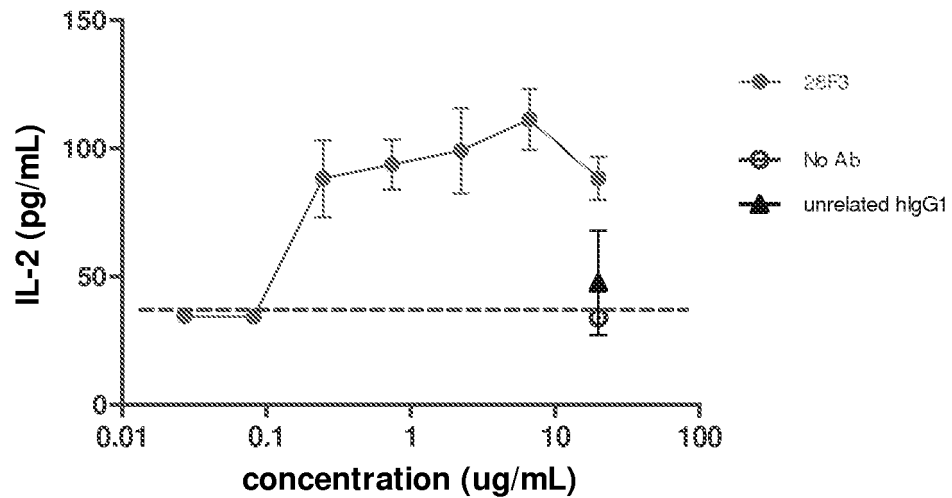


Figure 42B

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

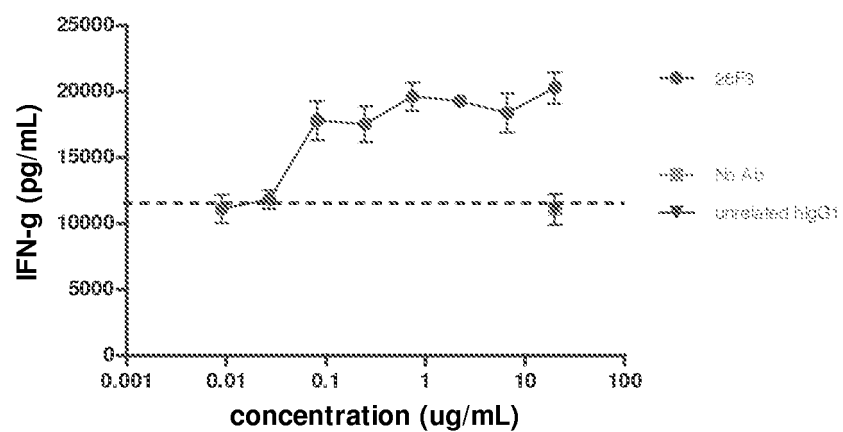


Figure 42C

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

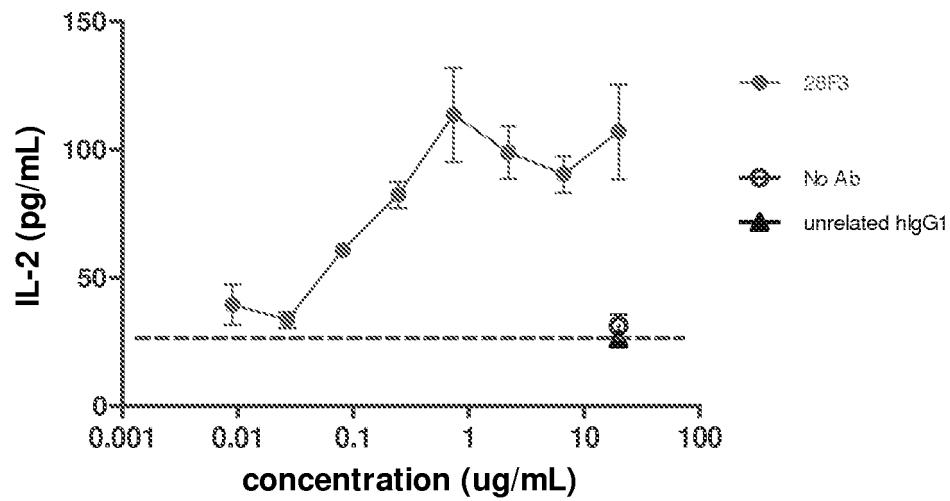


Figure 42D

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

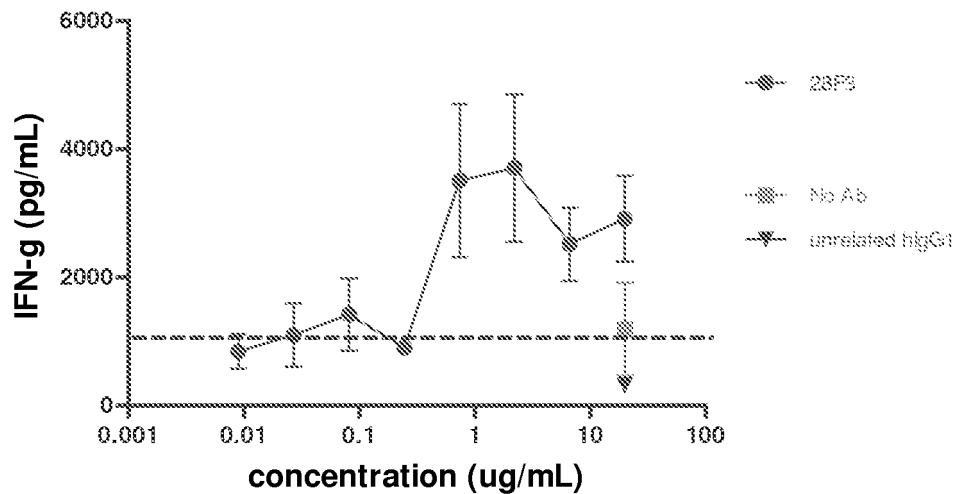


Figure 42E

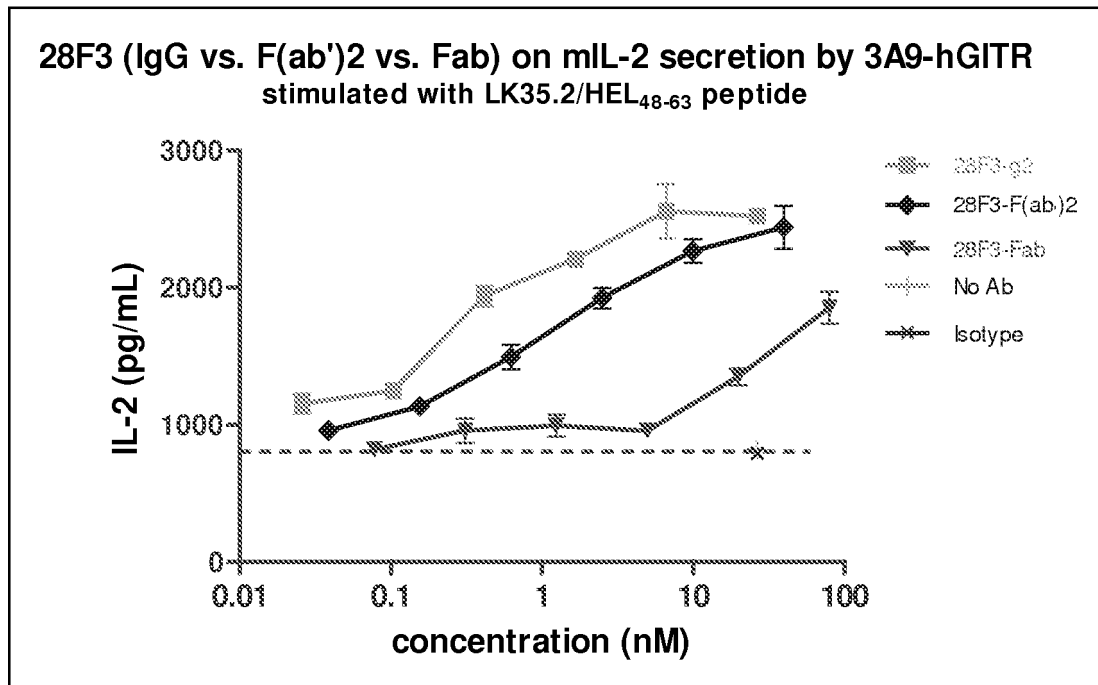


Figure 43

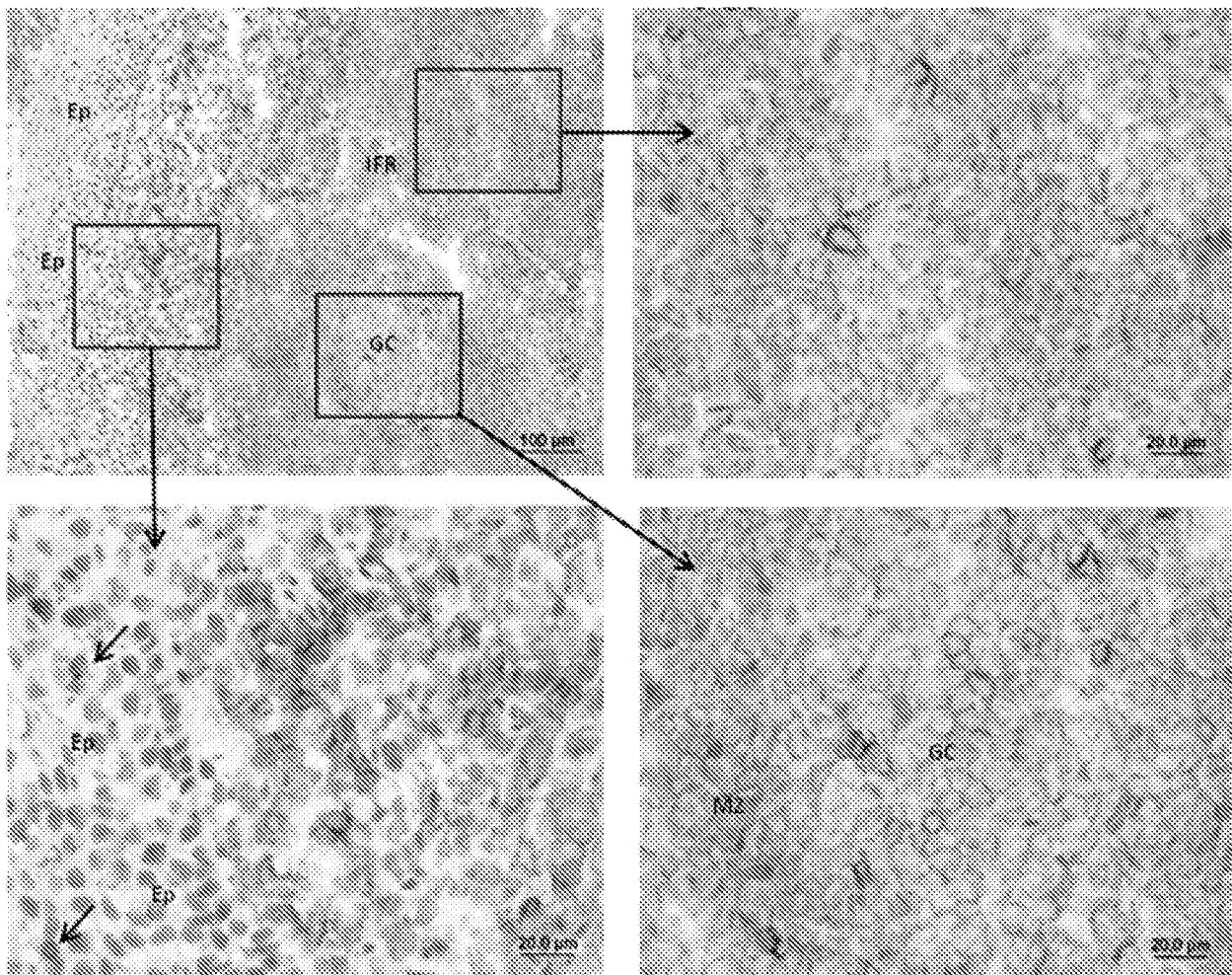


Figure 44

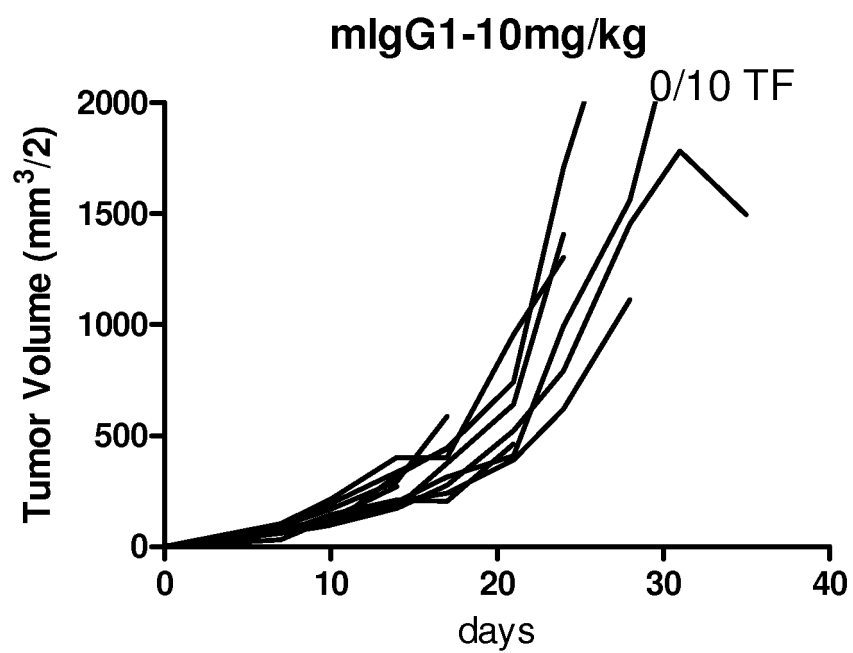


Figure 45A

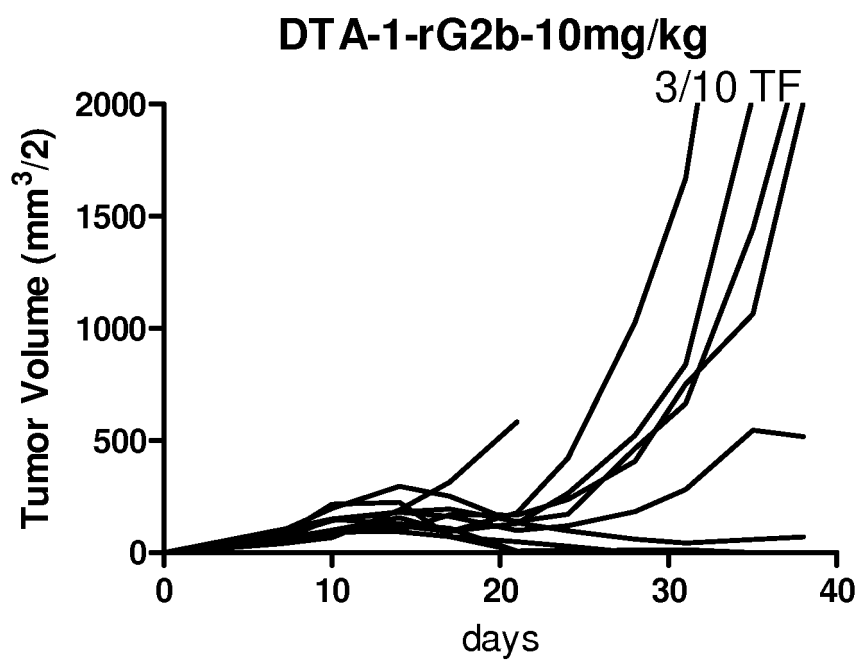


Figure 45B

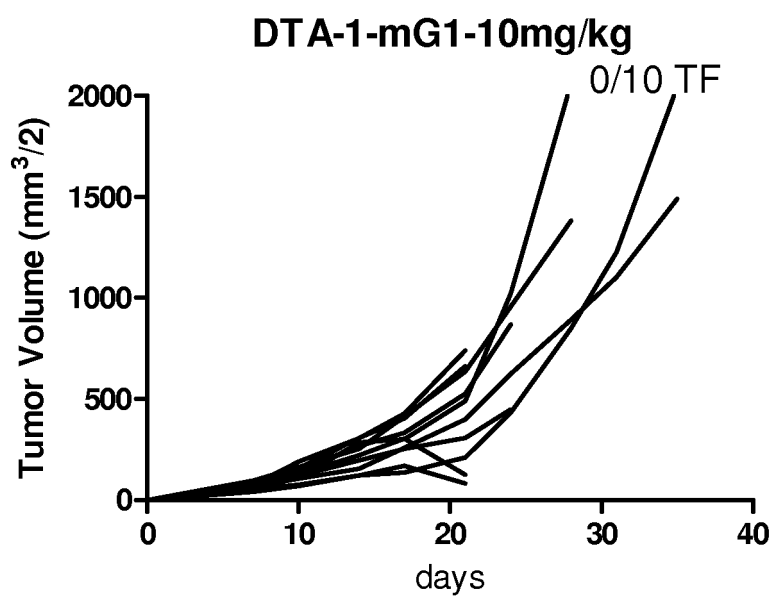


Figure 45C

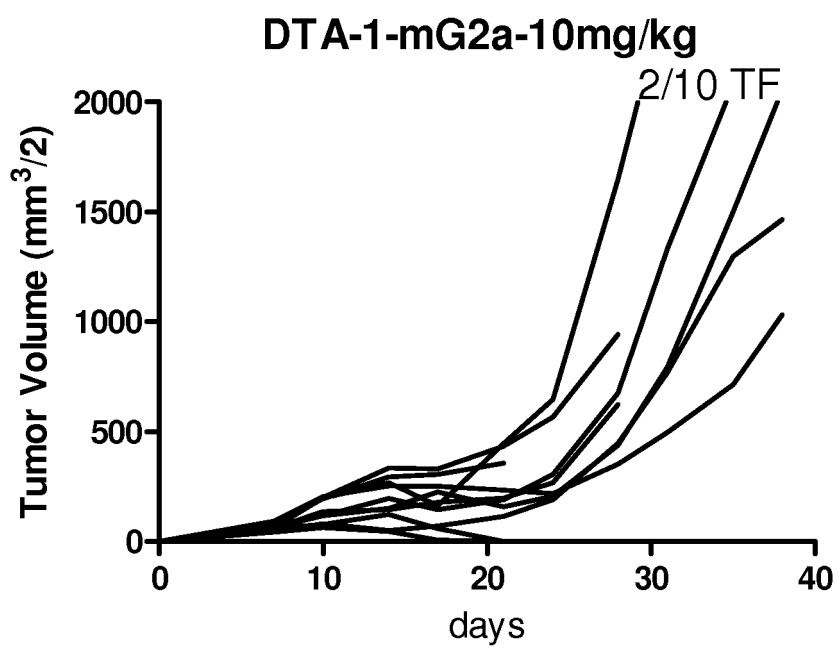


Figure 45D

A.

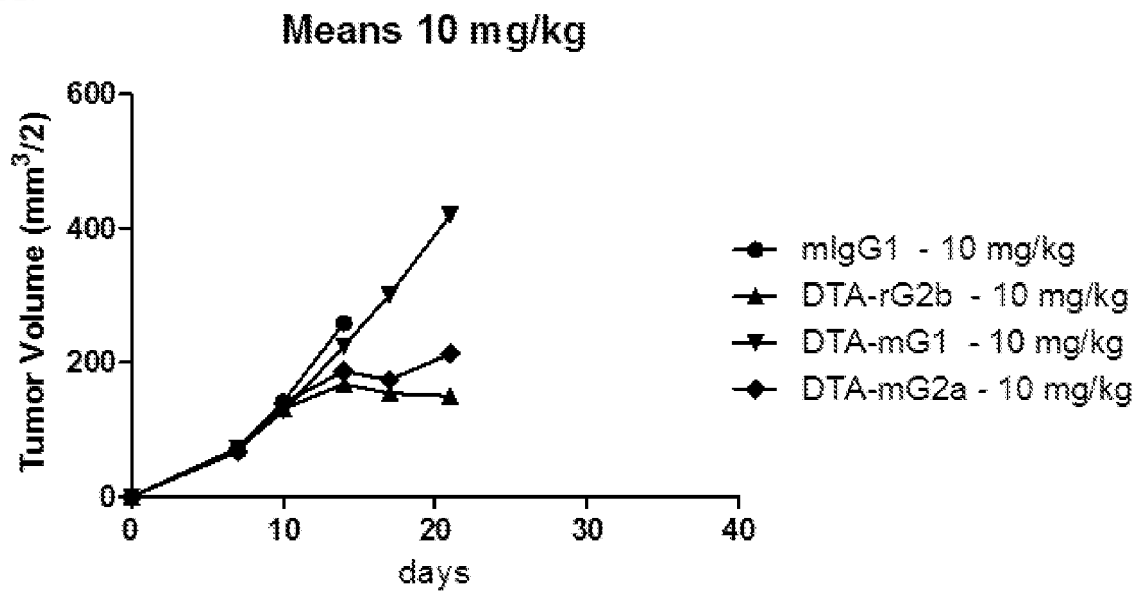


Figure 46A

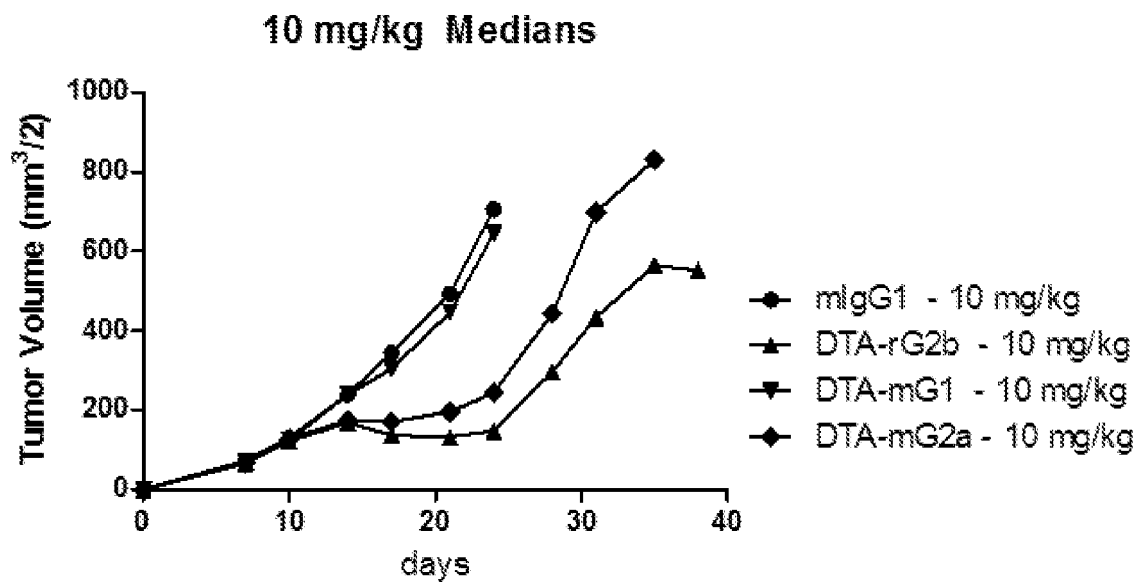


Figure 46B

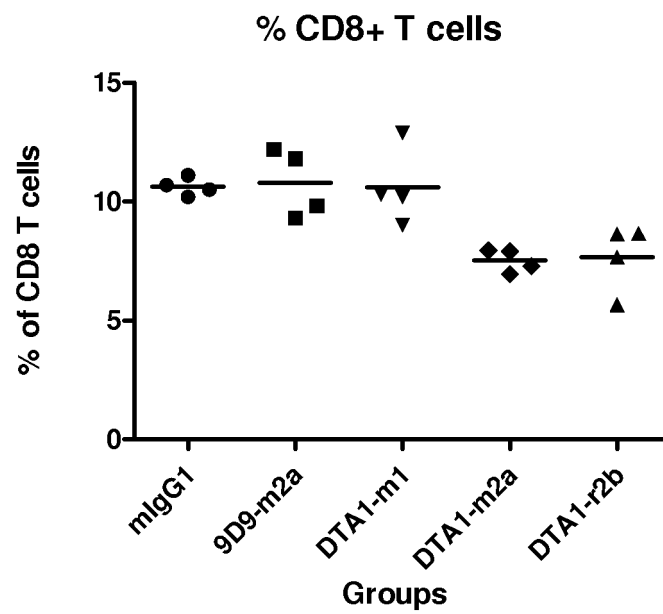


Figure 47A

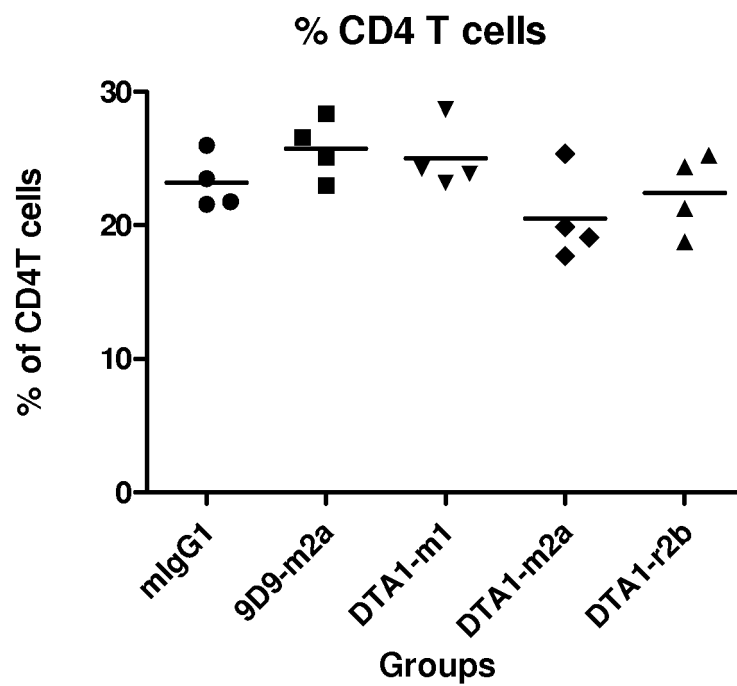


Figure 47B

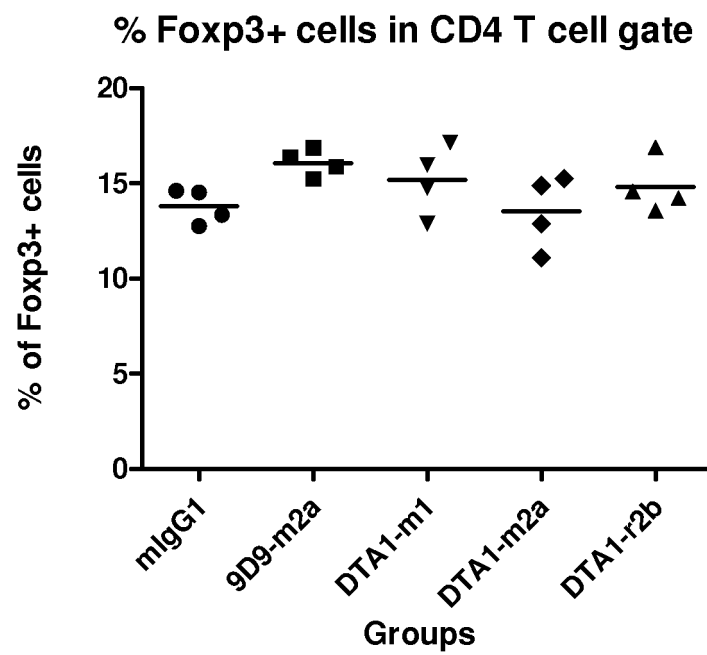


Figure 47C

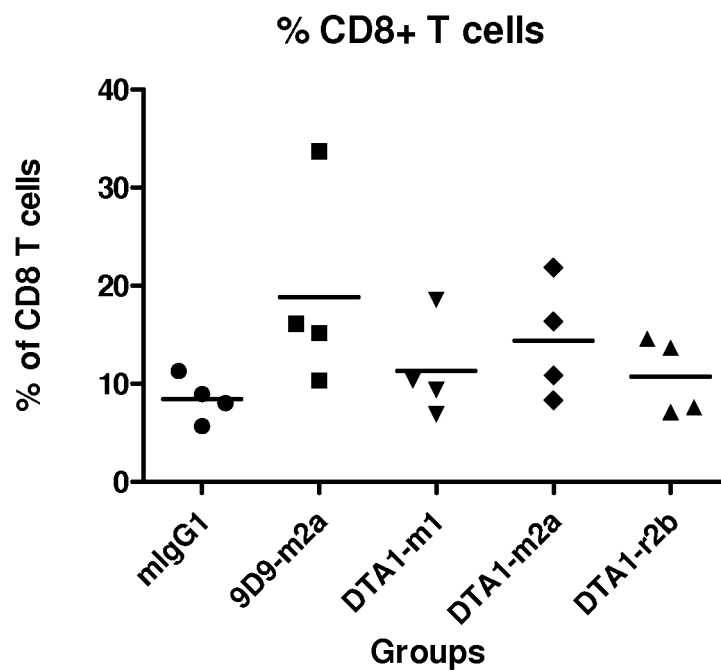


Figure 47D

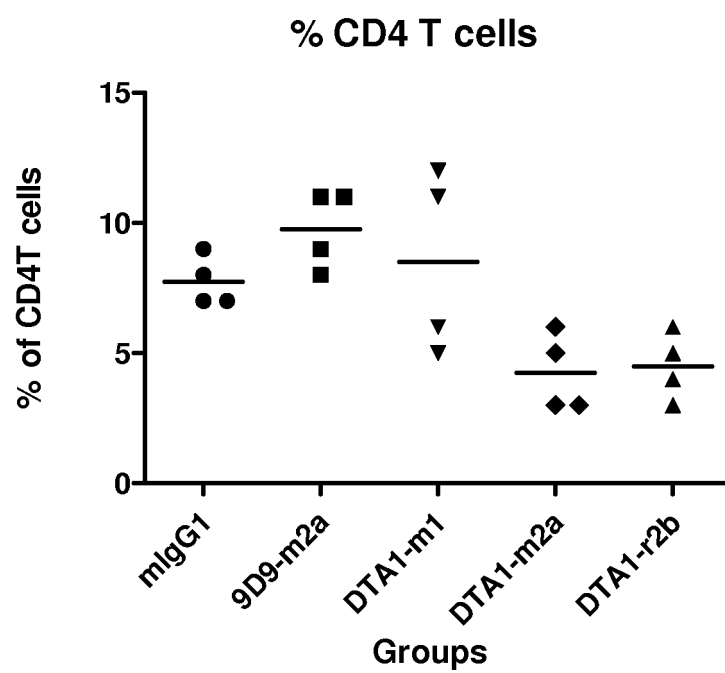


Figure 47E

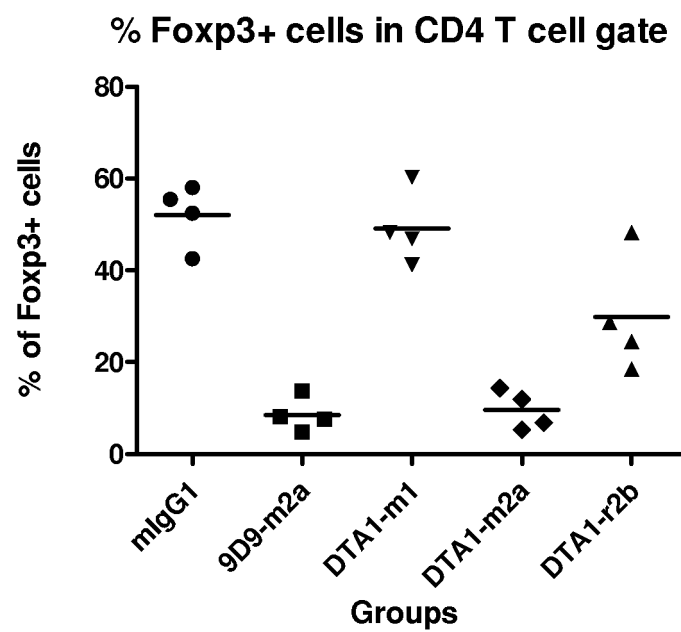
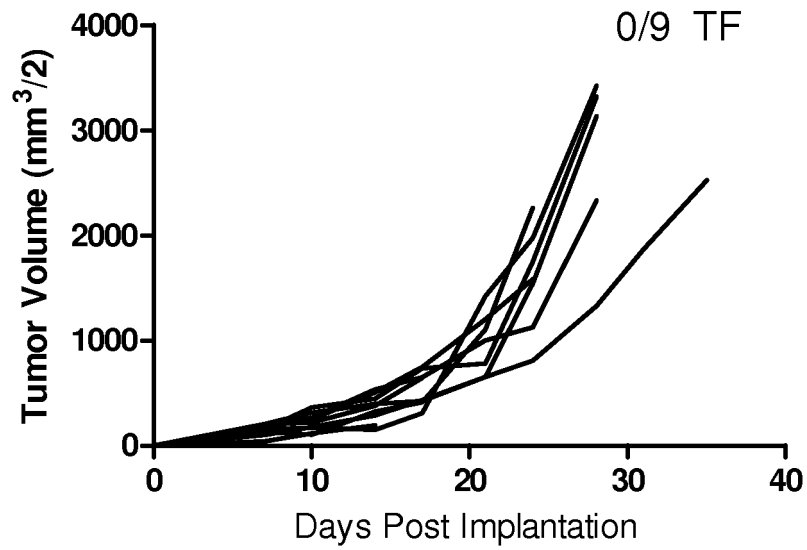
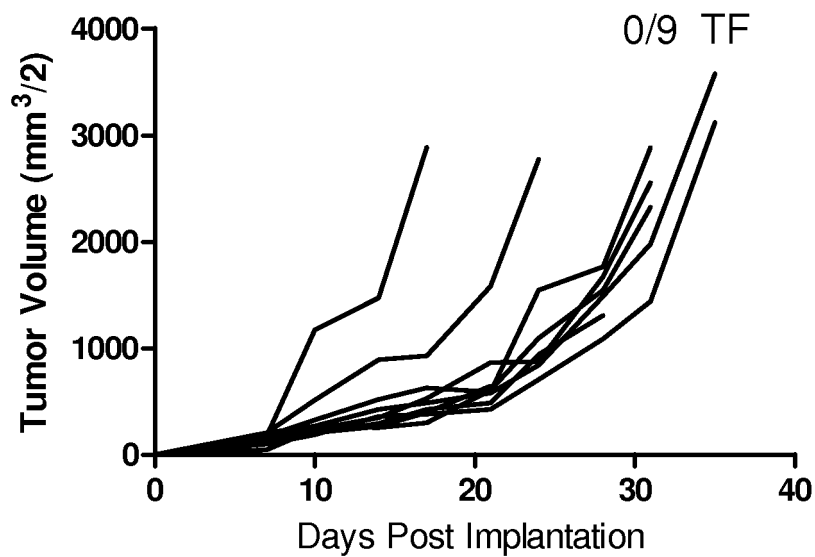


Figure 47F

1. mlgG1**Figure 48A****2. mGITR.7 mg1****Figure 48B**

3. mGfTR.7 mg1 D265A

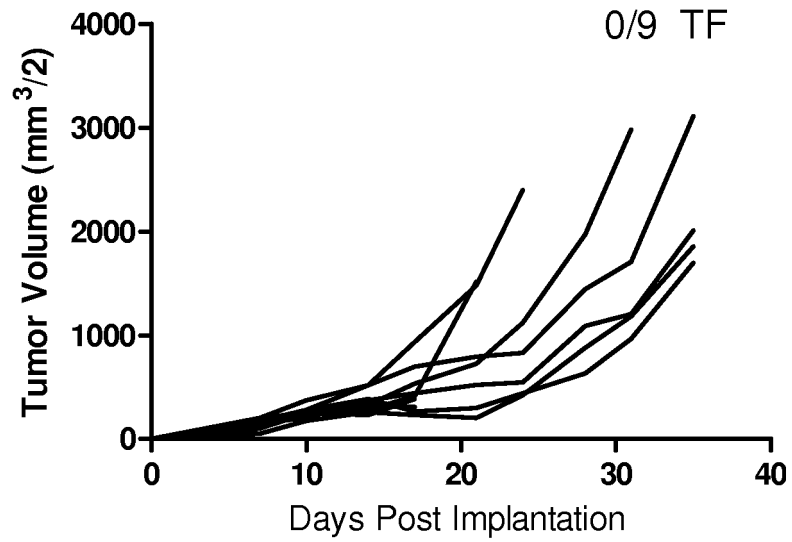


Figure 48C

4. mGfTR.7 mg2a

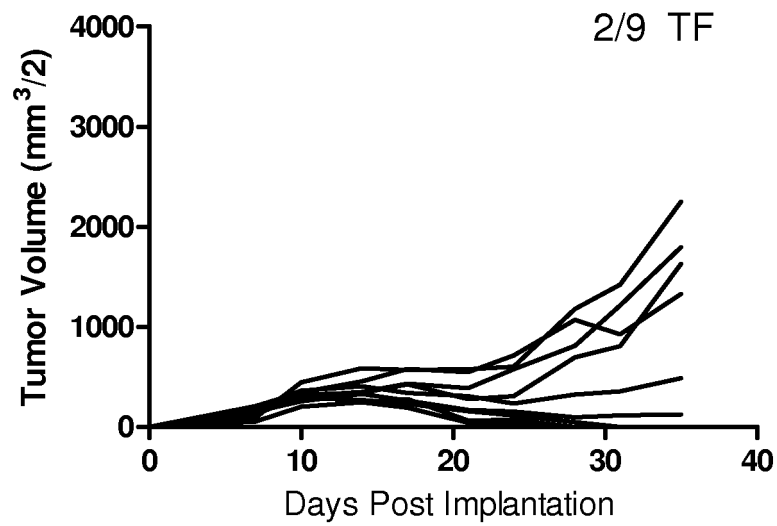


Figure 48D

5. mGITR.7 mg2b

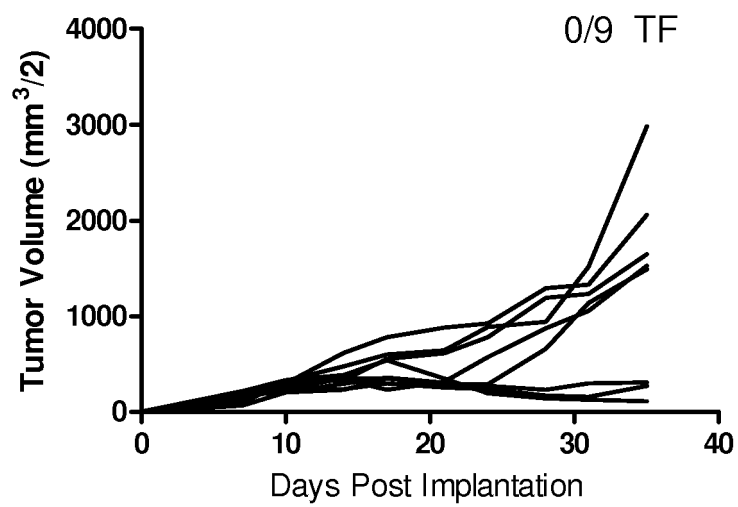


Figure 48E

6. mGITR.7 rg2b

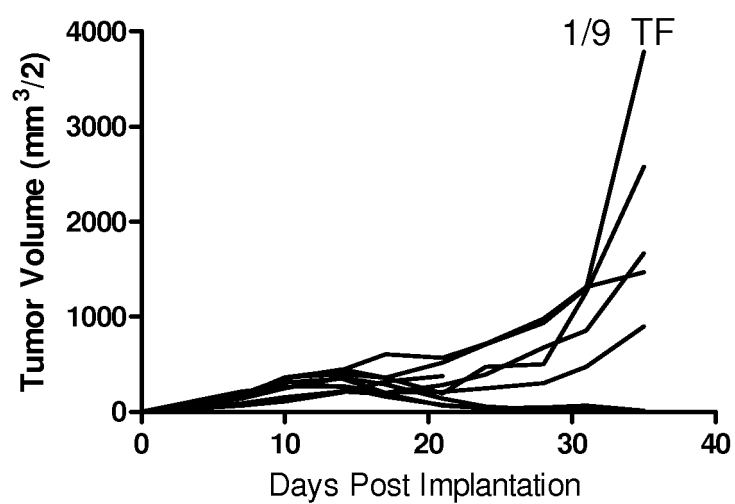
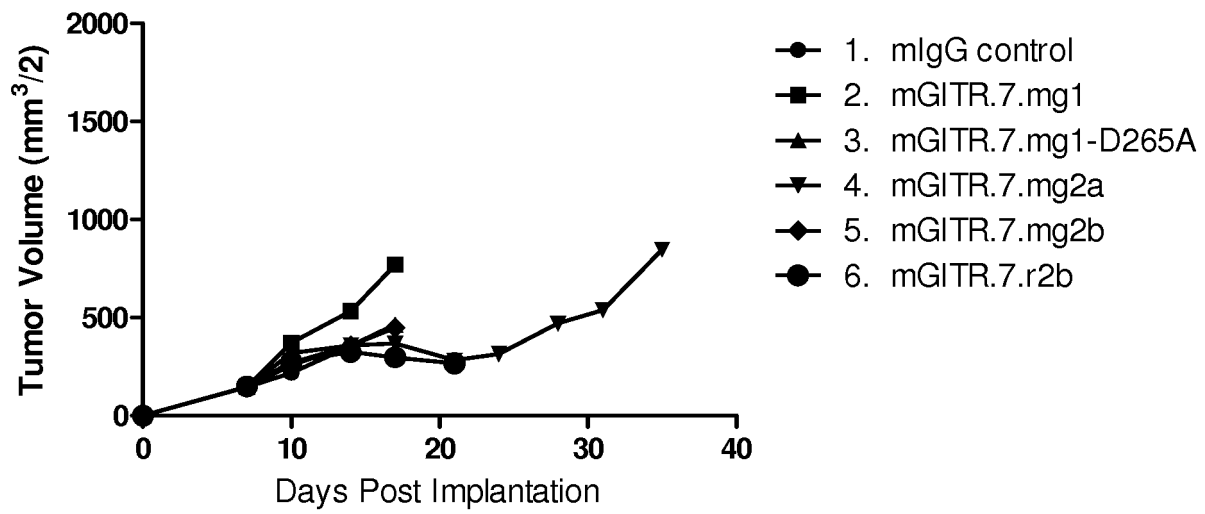
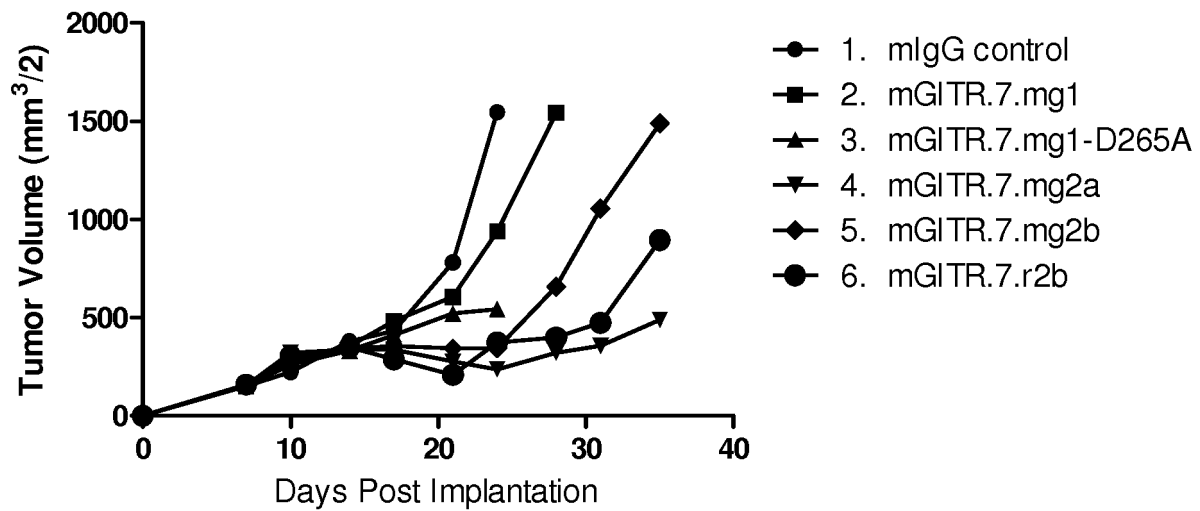
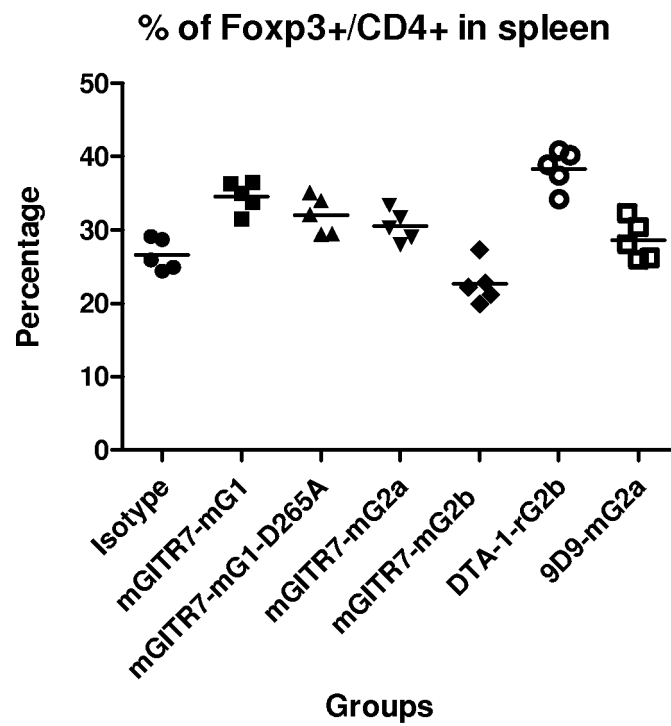
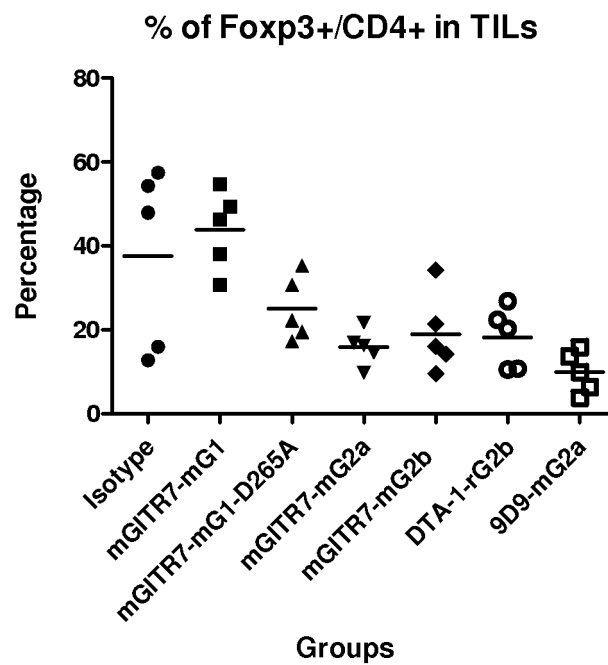


Figure 48F

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

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

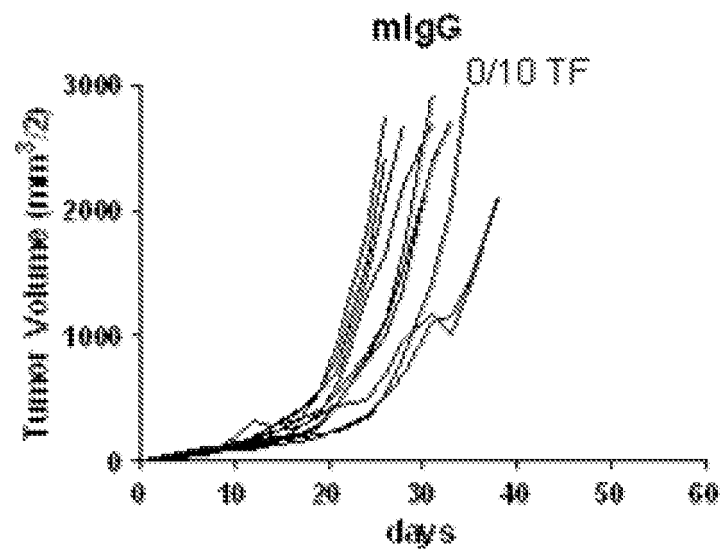


Figure 51A

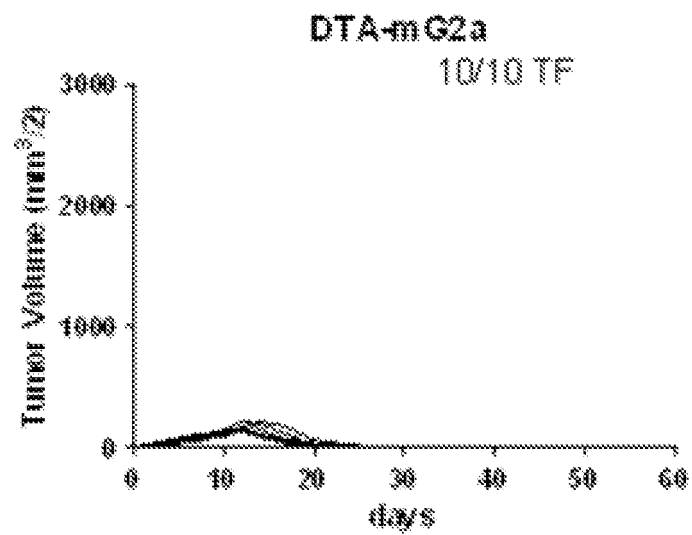


Figure 51B

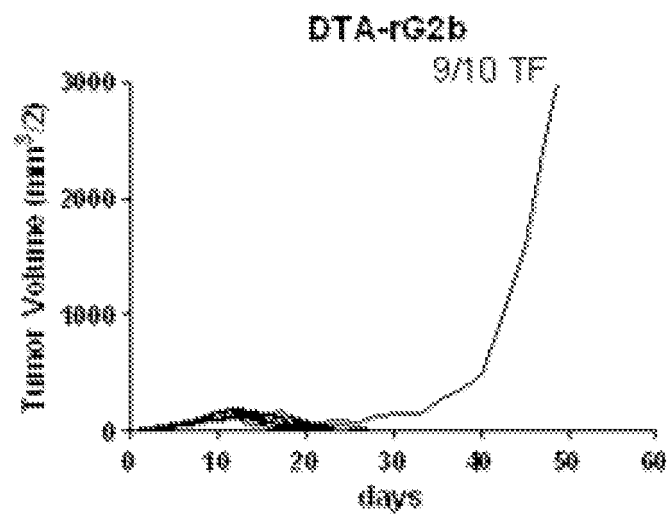


Figure 51C

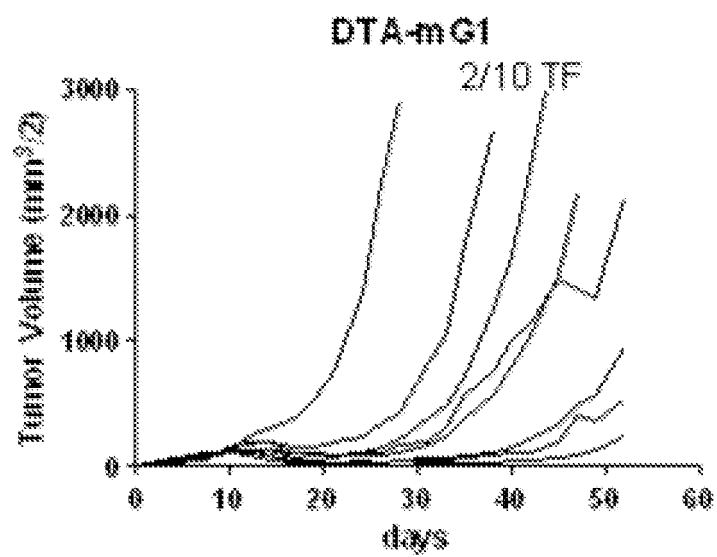


Figure 51D

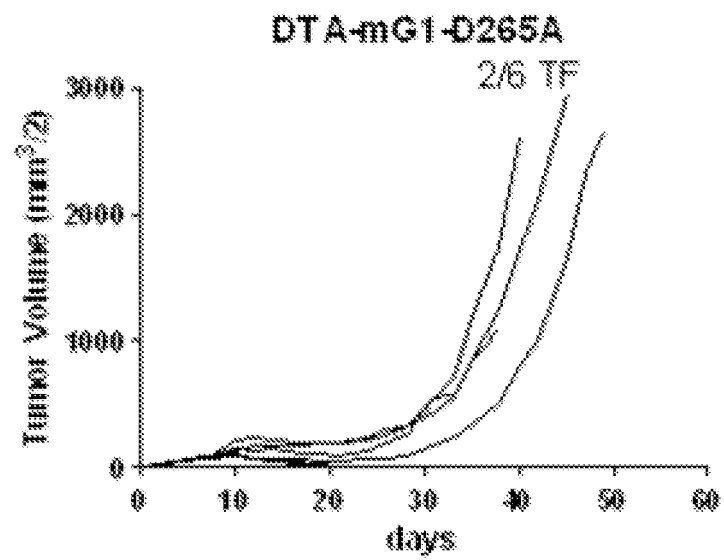


Figure 51E

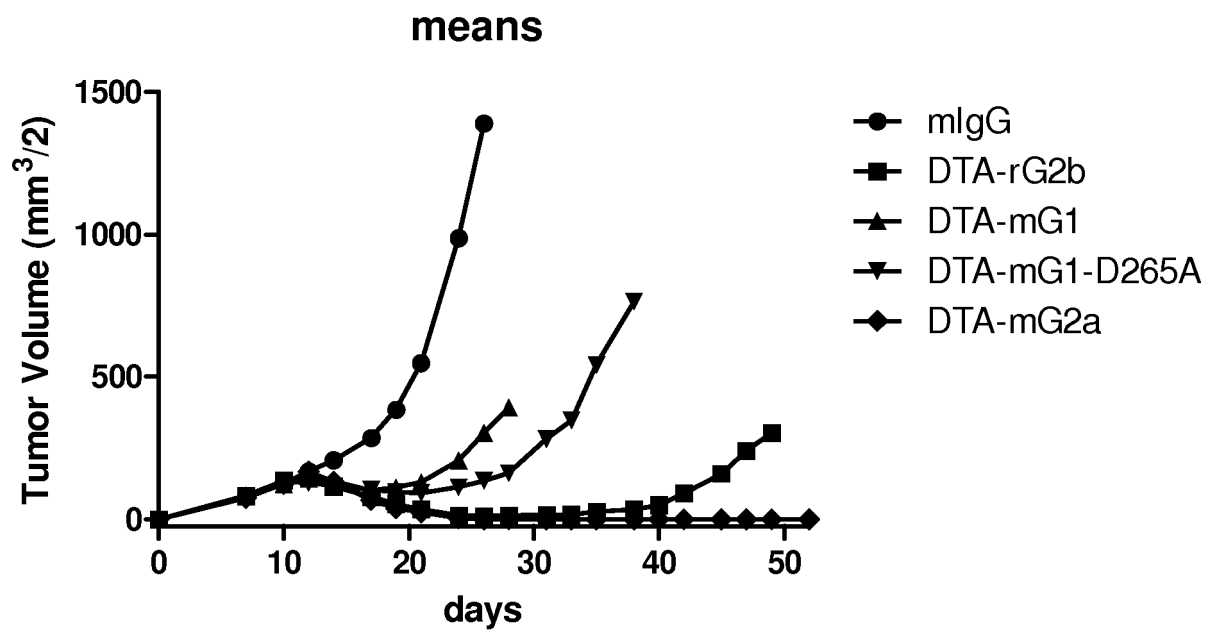


Figure 52A

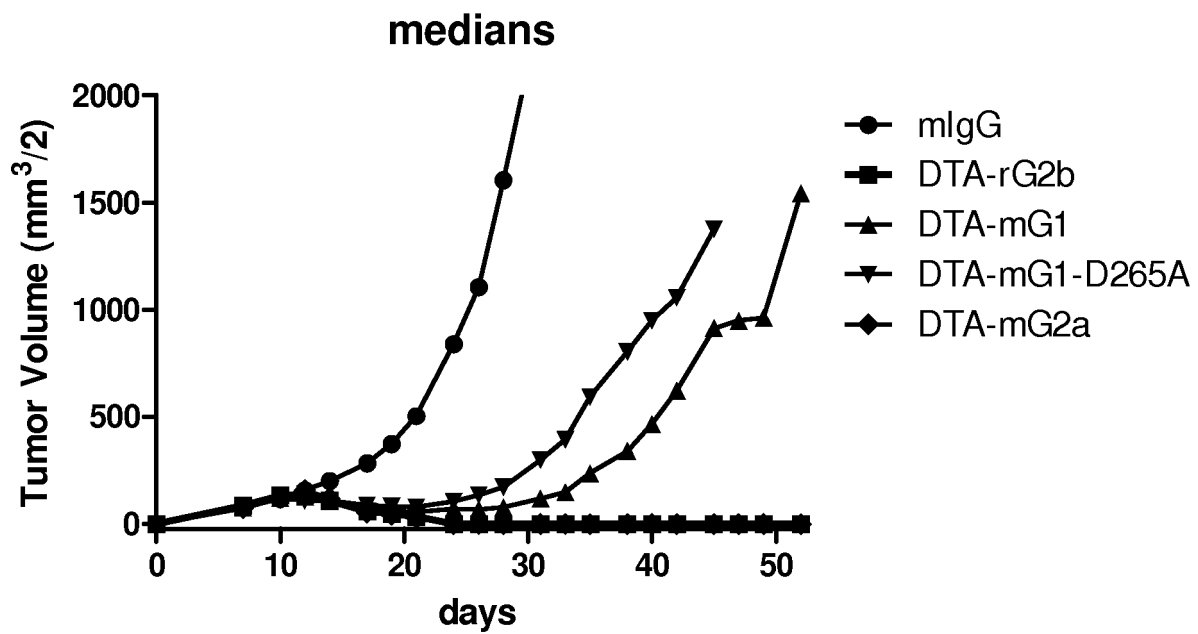


Figure 52B

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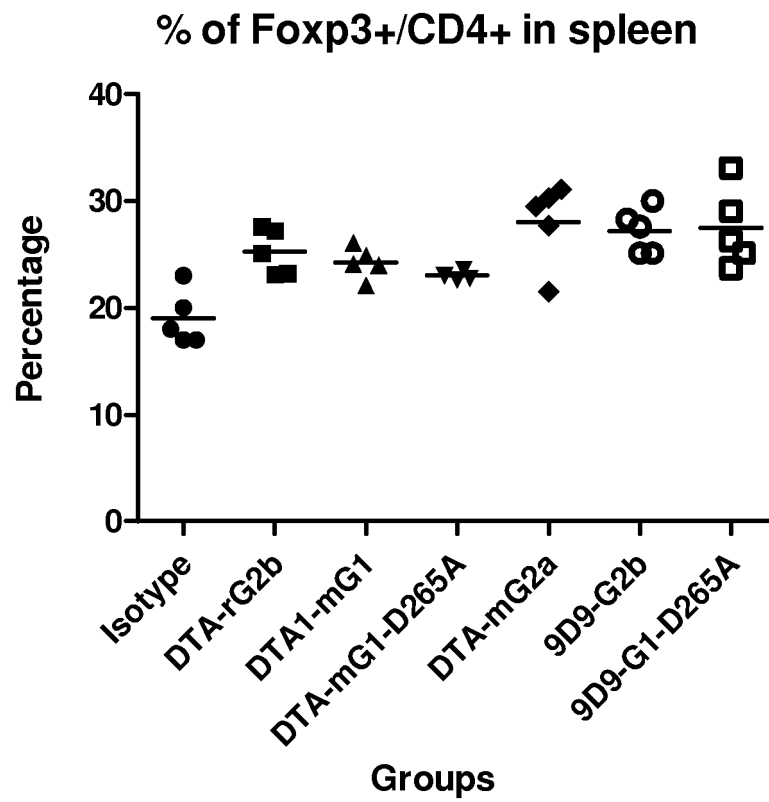


Figure 53A

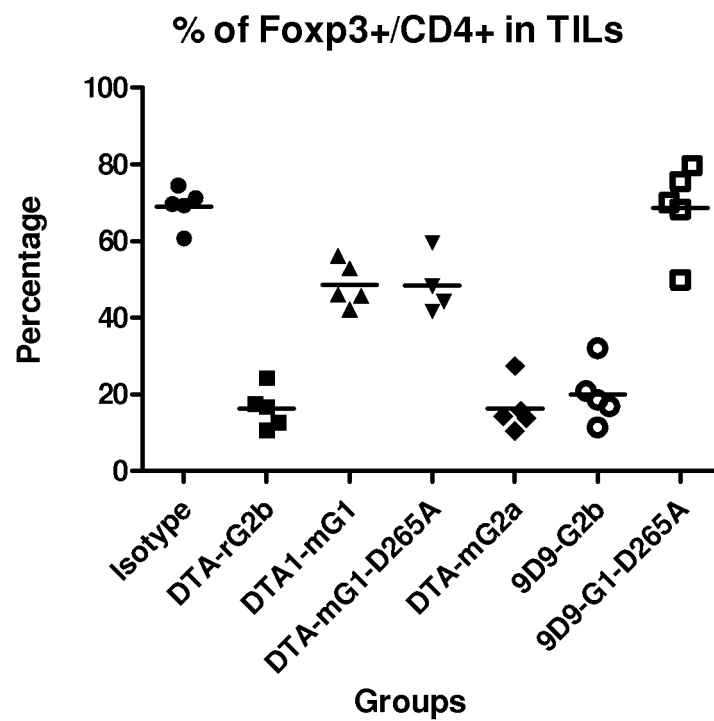


Figure 53B

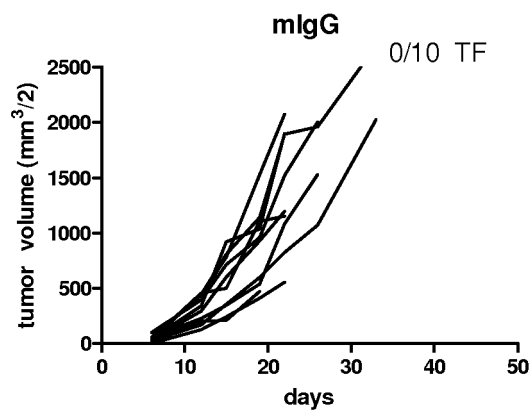


Figure 54A

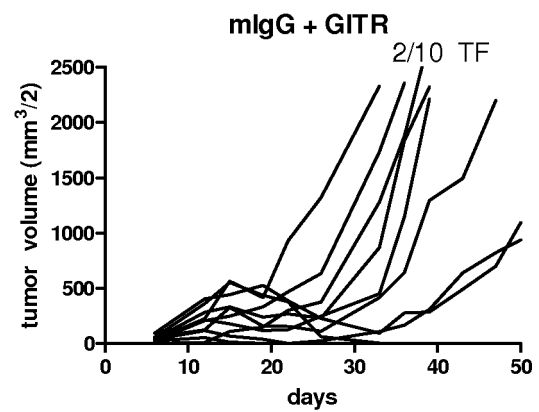


Figure 54B

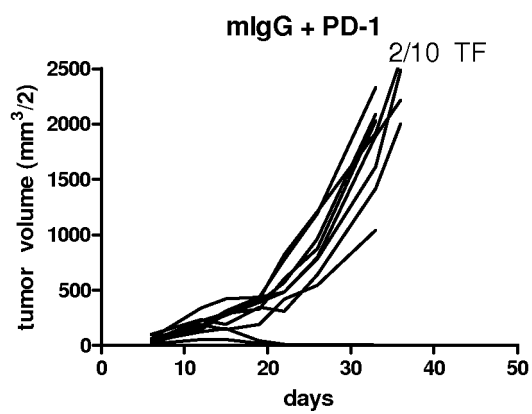


Figure 54C

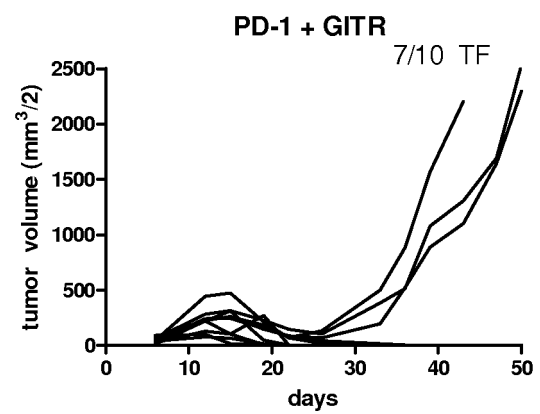


Figure 54D

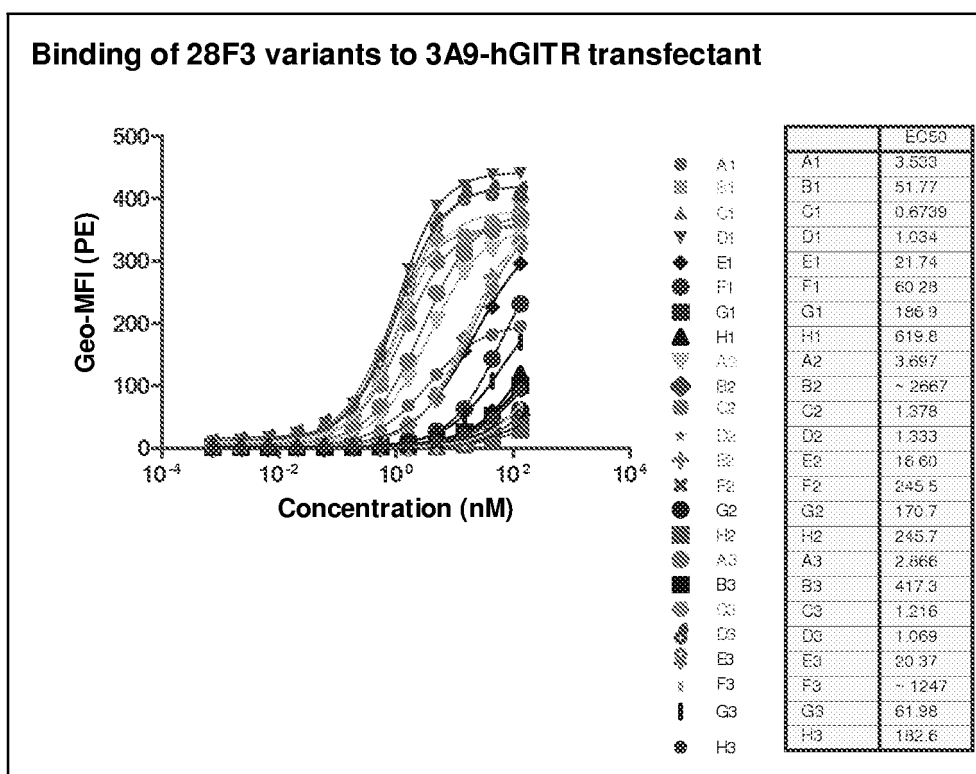


Figure 55A

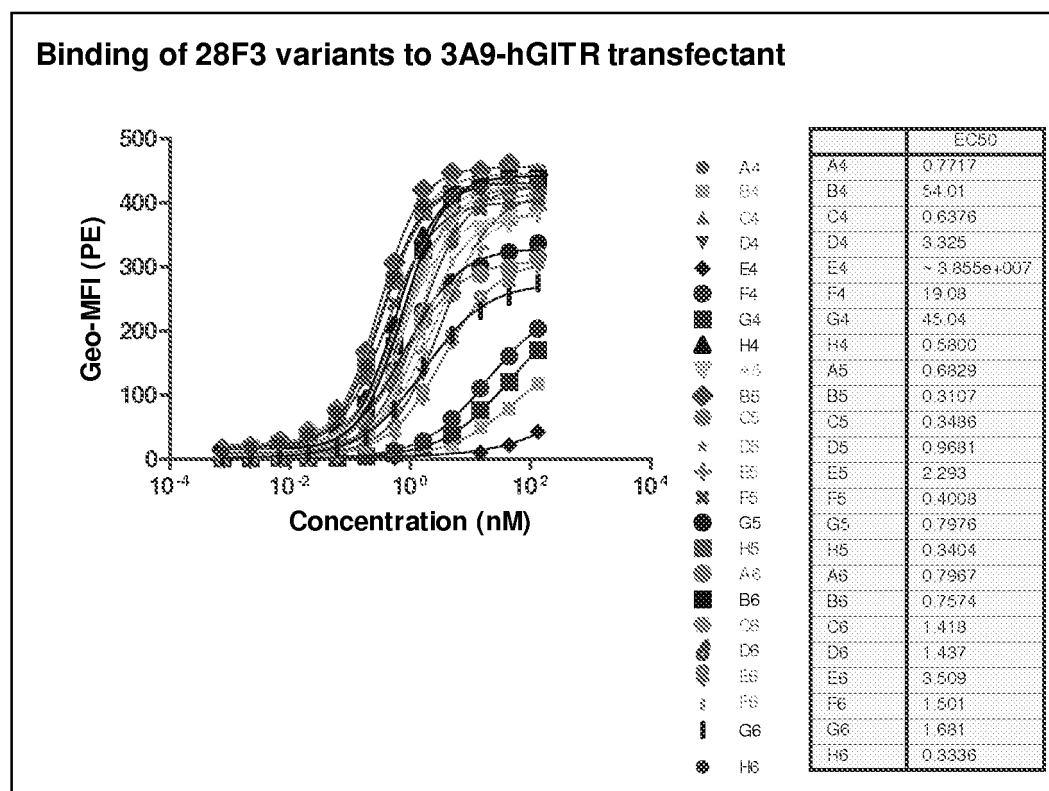


Figure 55B

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

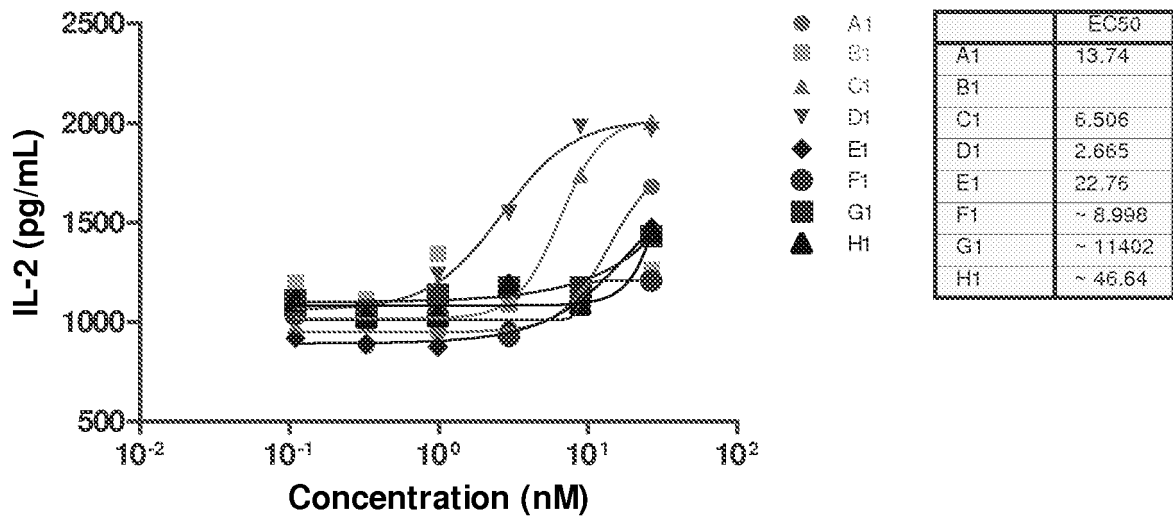


Figure 56A

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

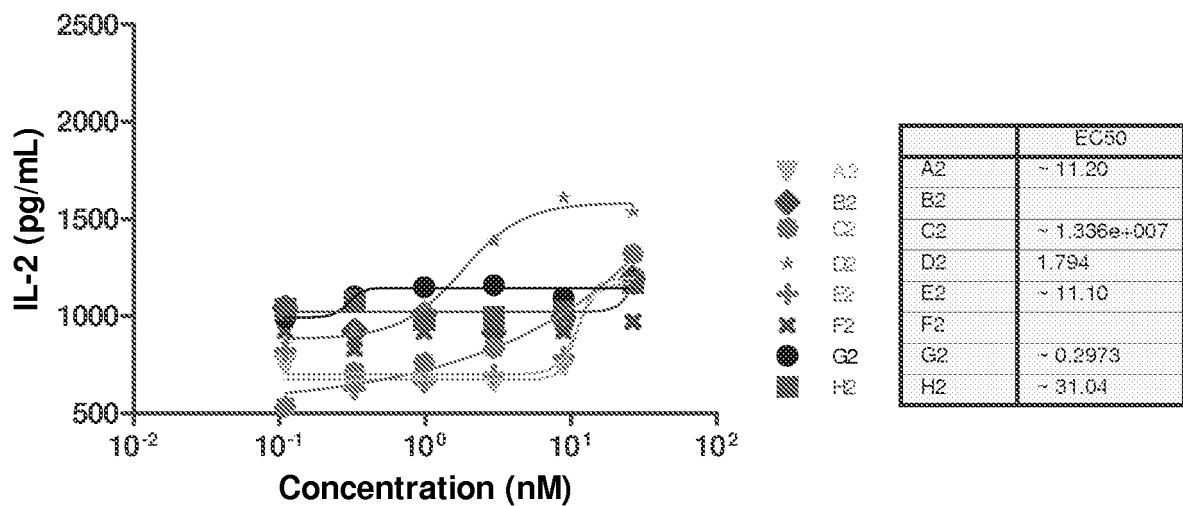


Figure 56B

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

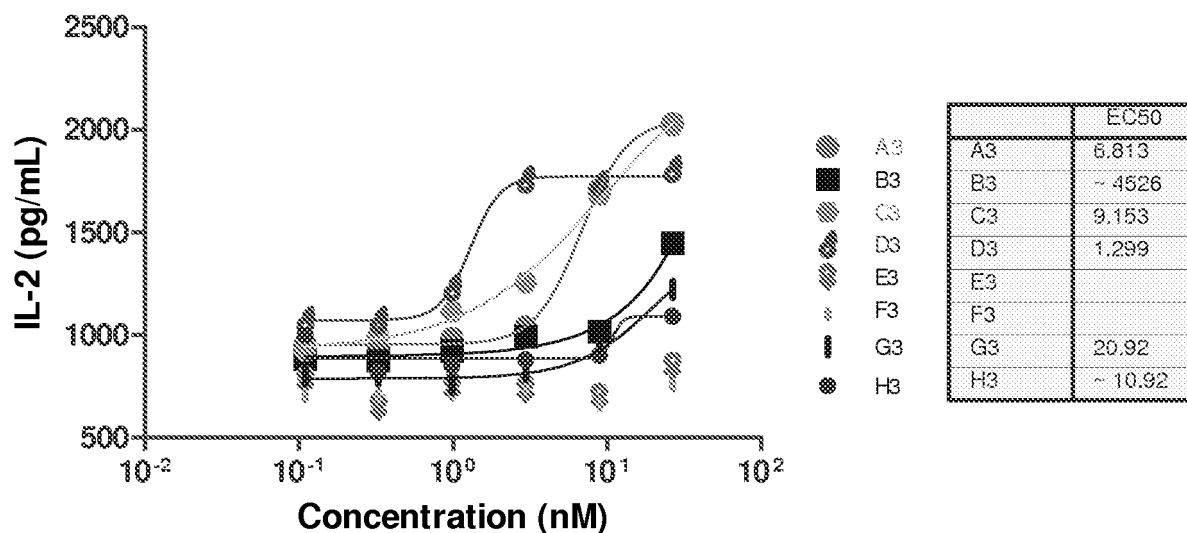


Figure 56C

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

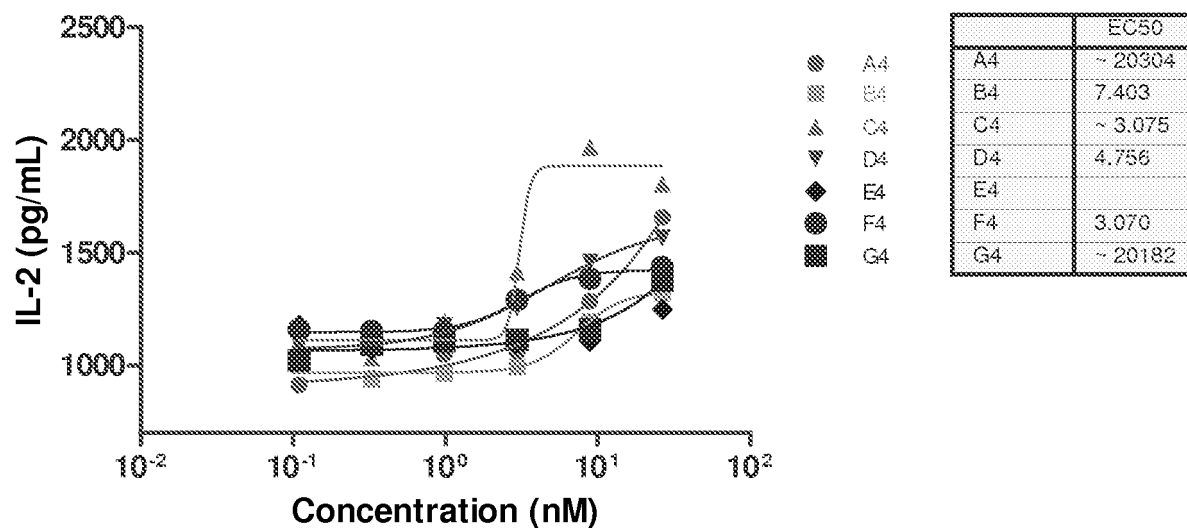


Figure 56D

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

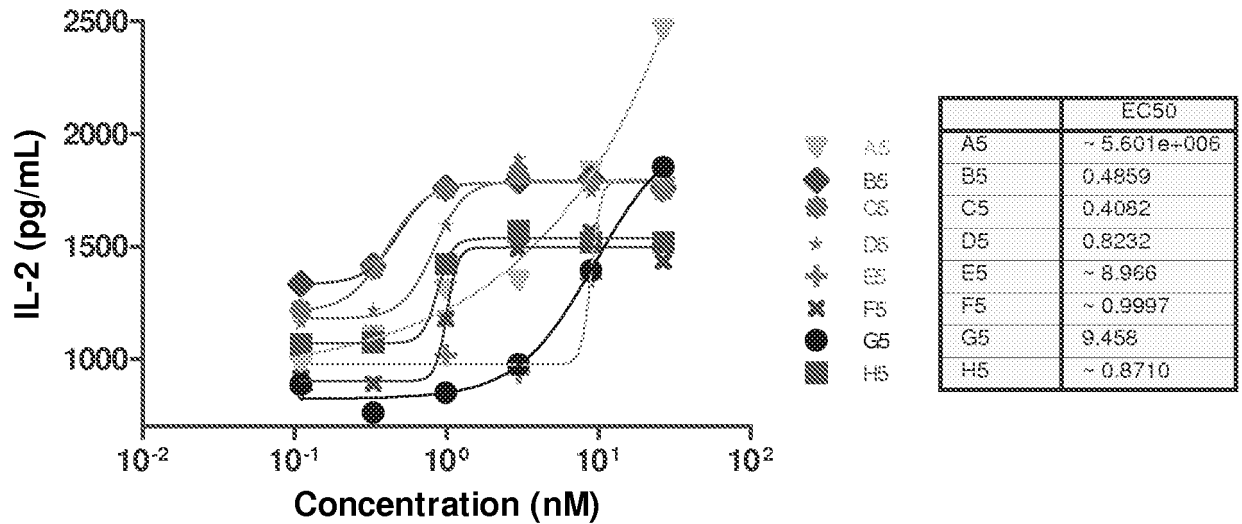


Figure 56E

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

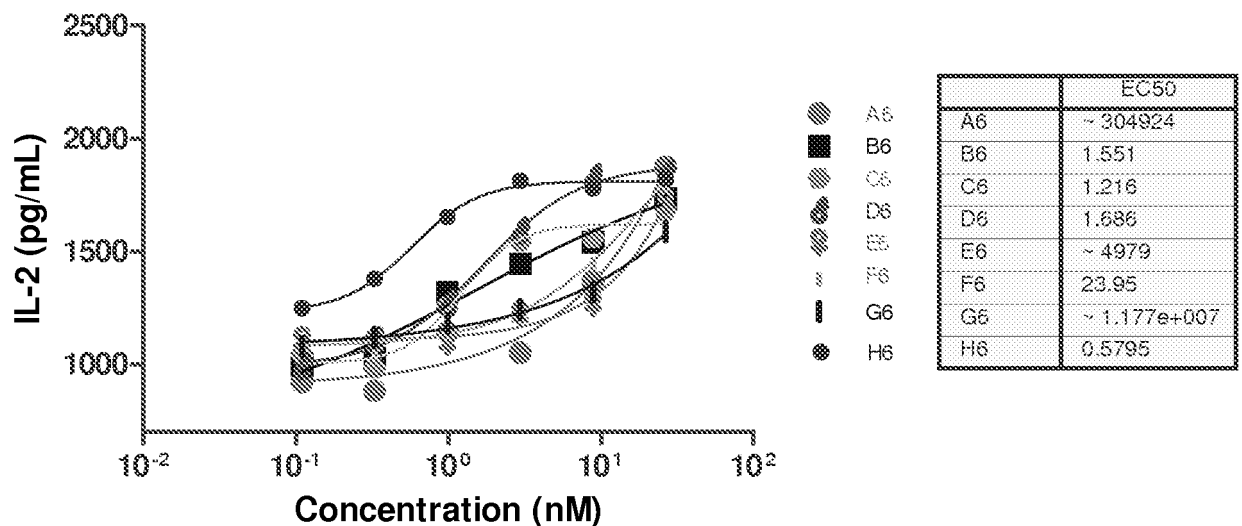
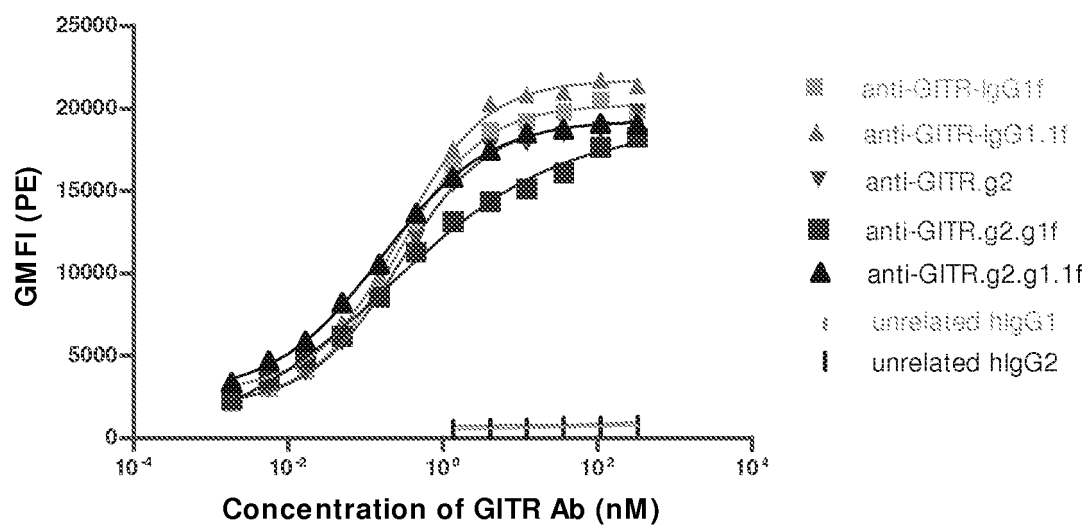


Figure 56F



	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

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

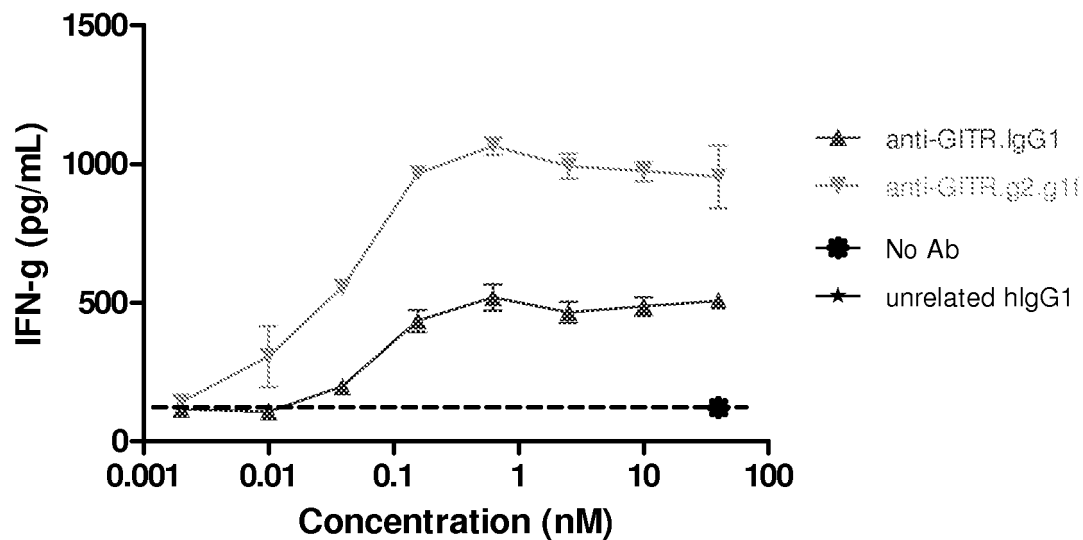


Figure 58A

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

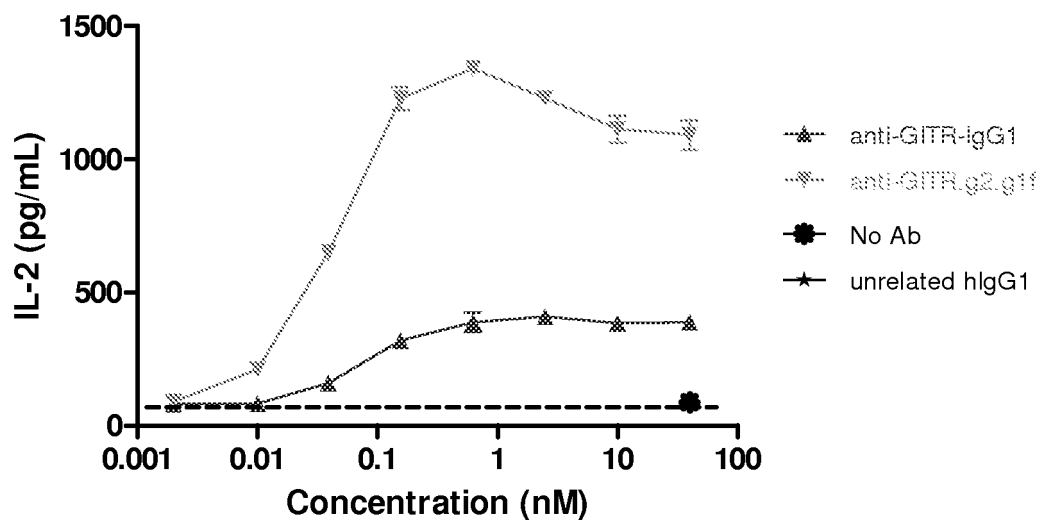


Figure 58B

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

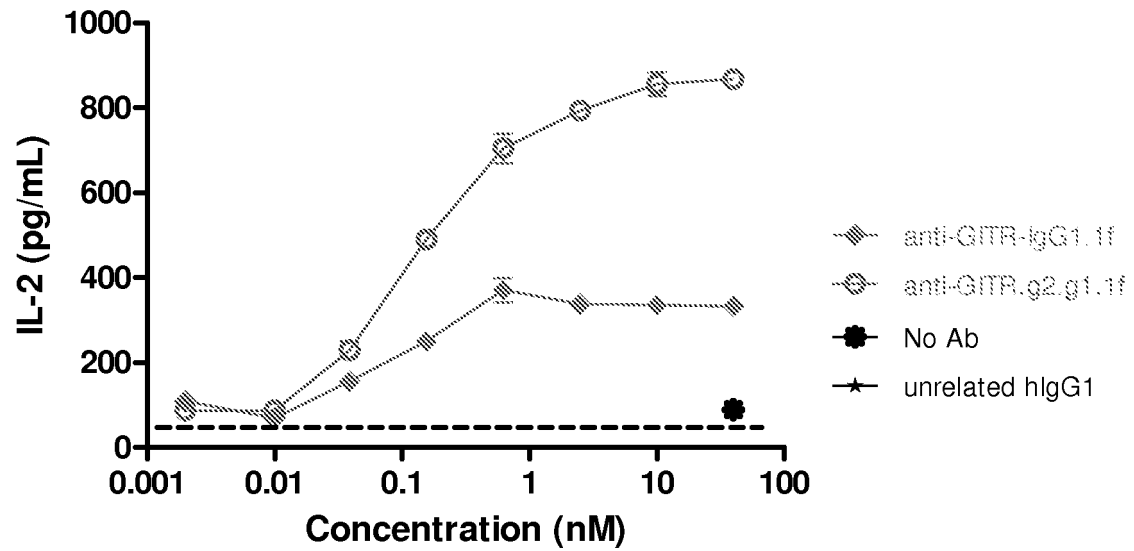
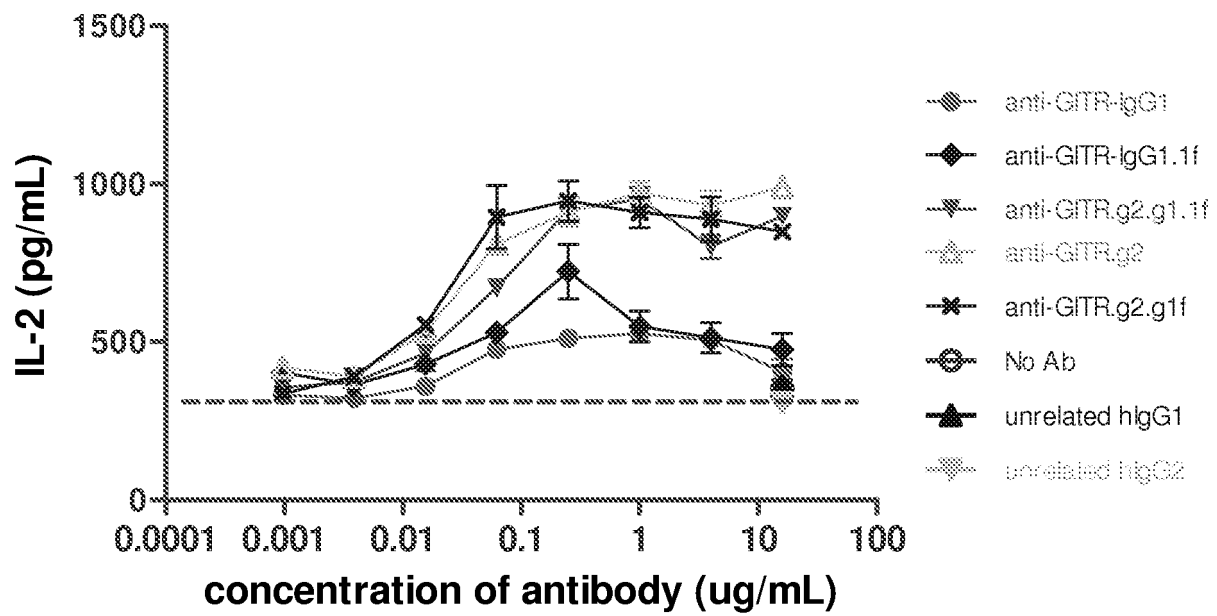


Figure 58C

**Figure 59**

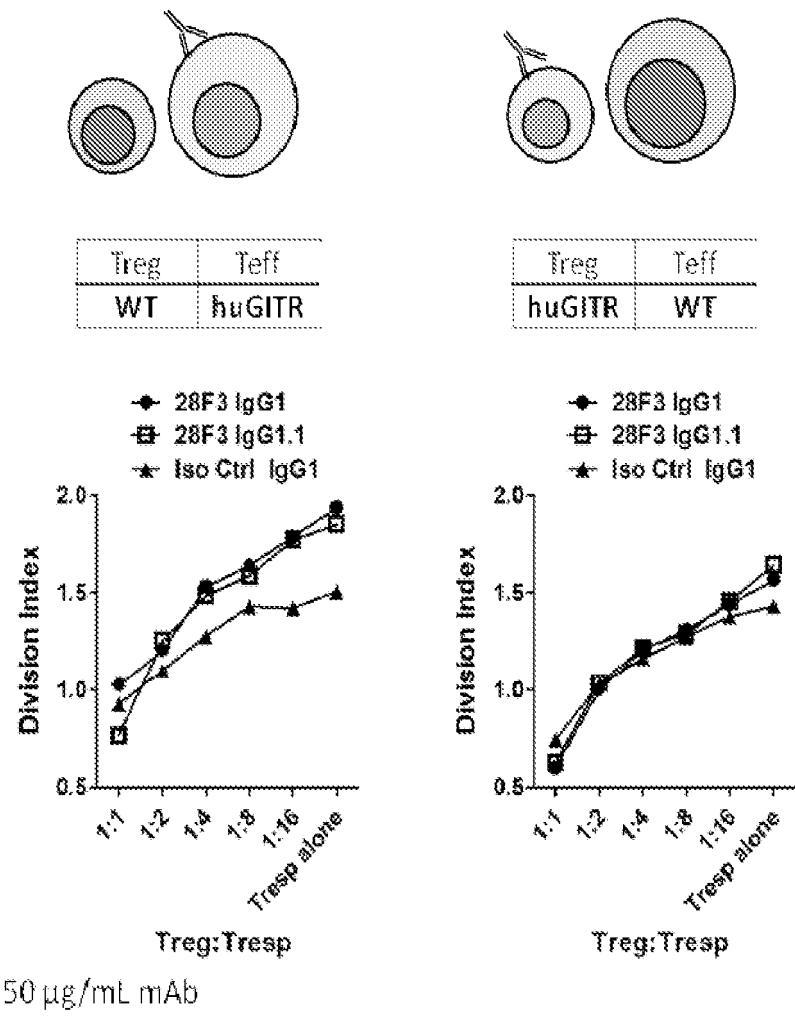


Figure 60A

Figure 60B

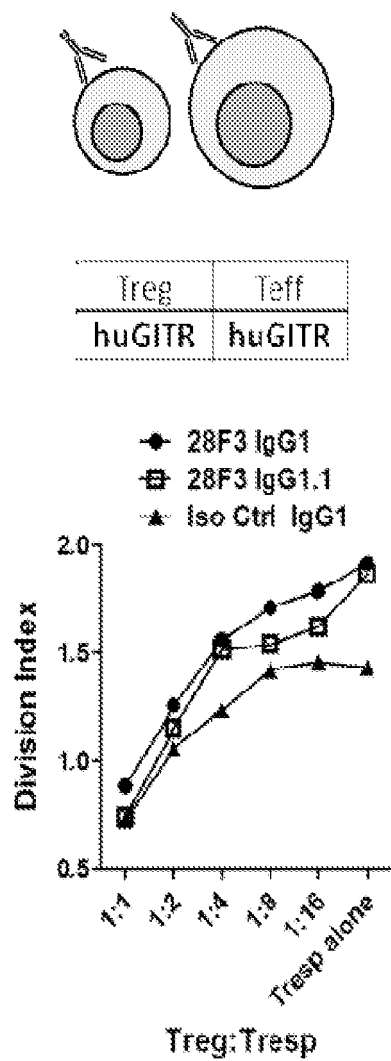


Figure 60C

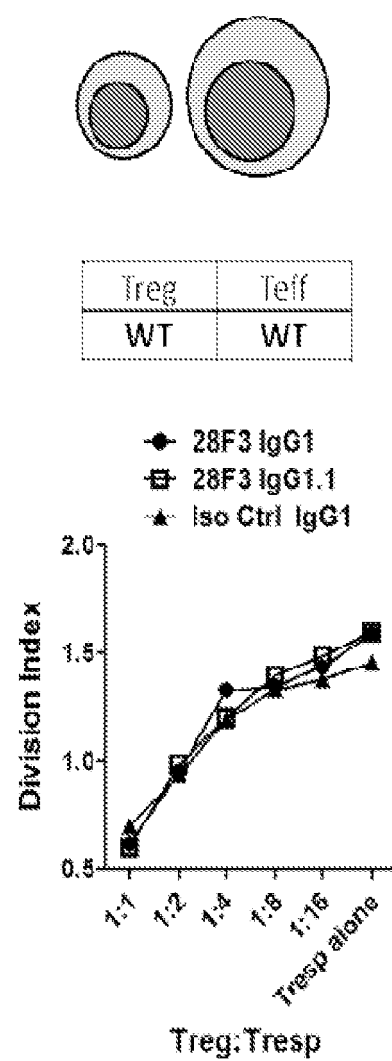


Figure 60D

Donor 1

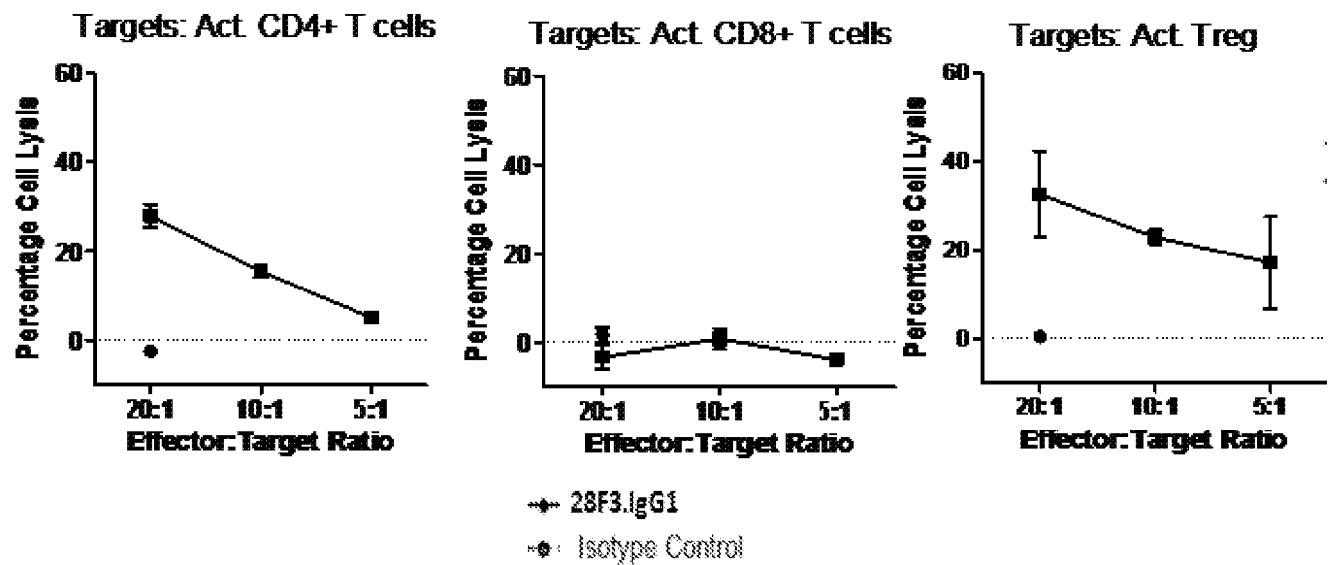


Figure 61A

Figure 61B

Figure 61C

Donor 2

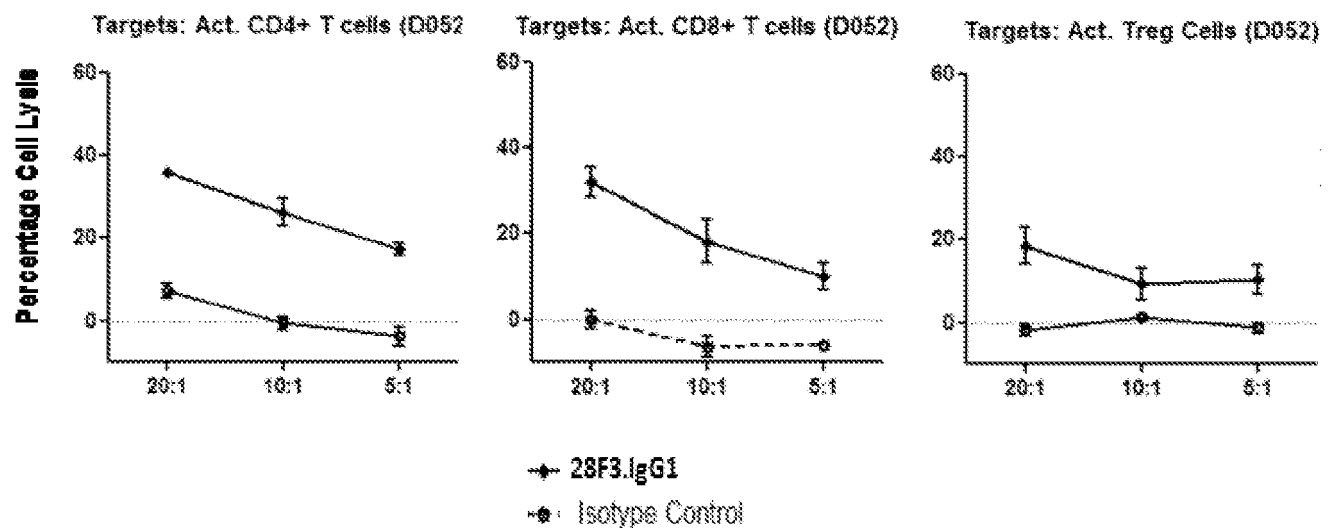


Figure 61D

Figure 61E

Figure 61F

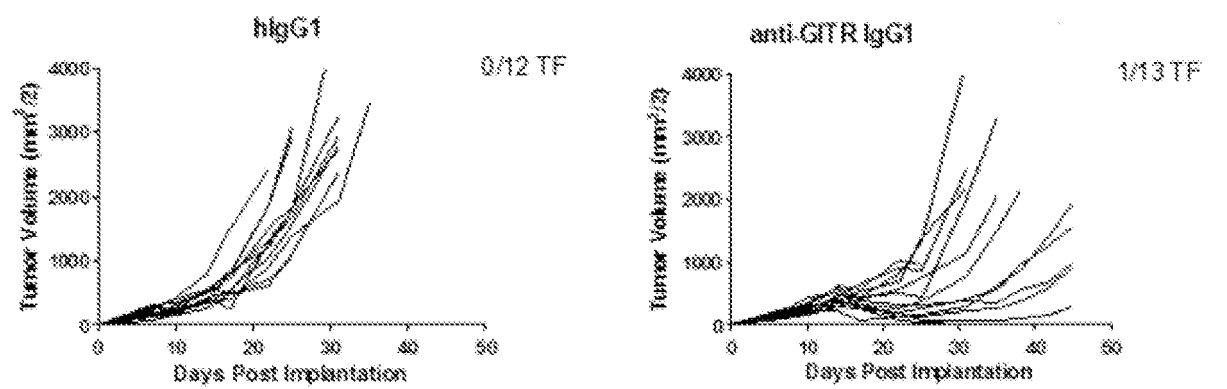


Figure 62A

Figure 62B

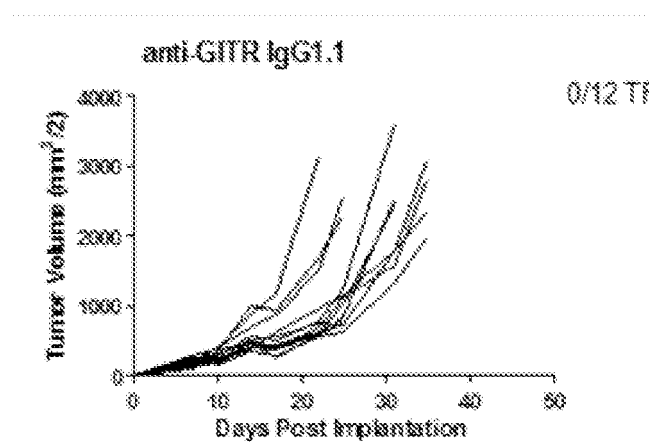


Figure 62C

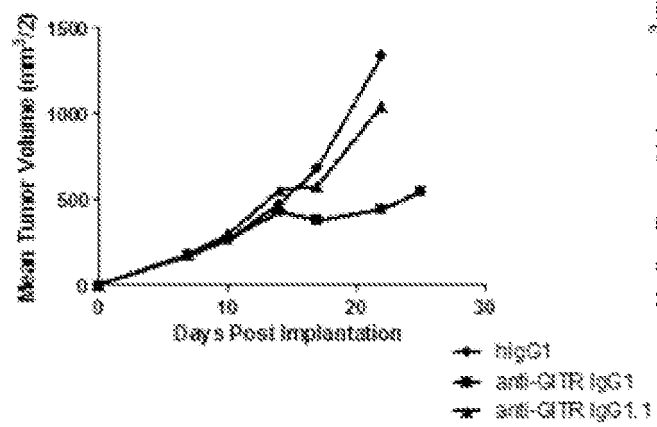


Figure 63A

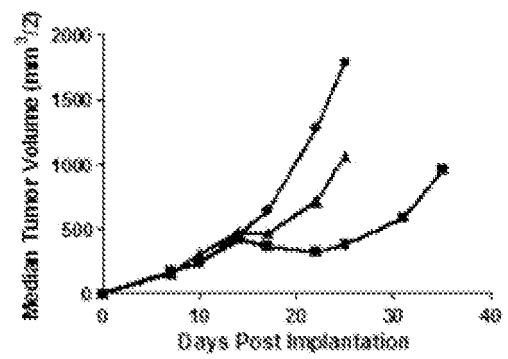


Figure 63B

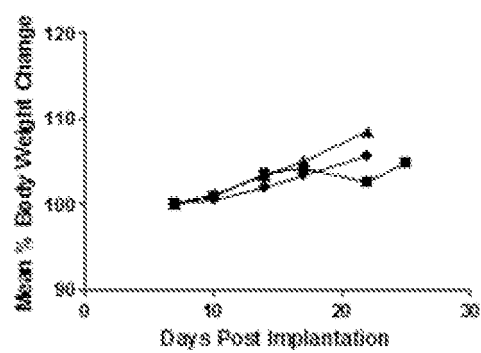


Figure 64A

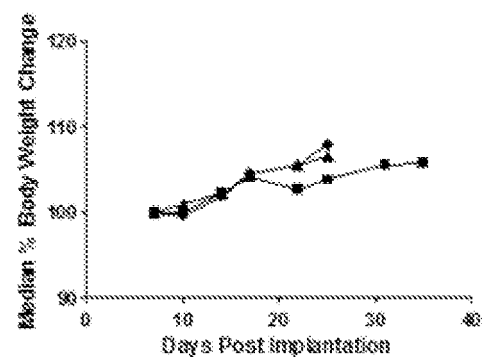


Figure 64B

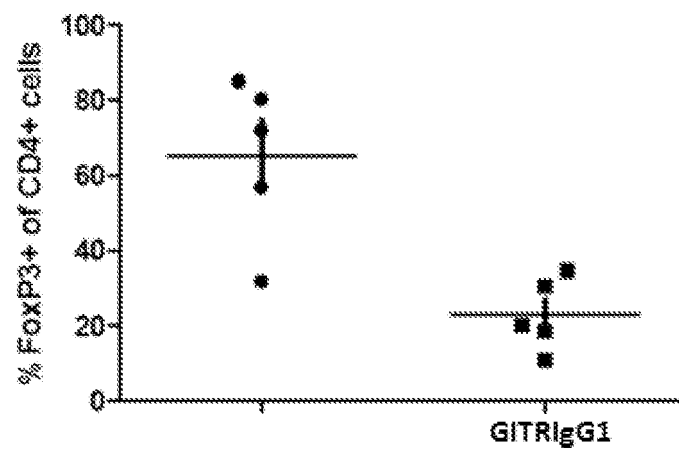


Figure 65

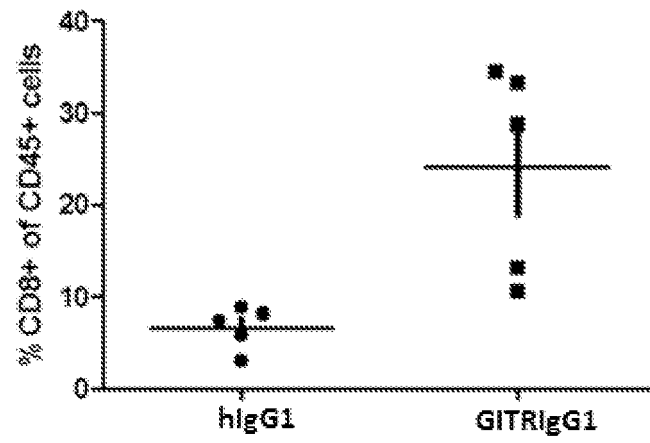
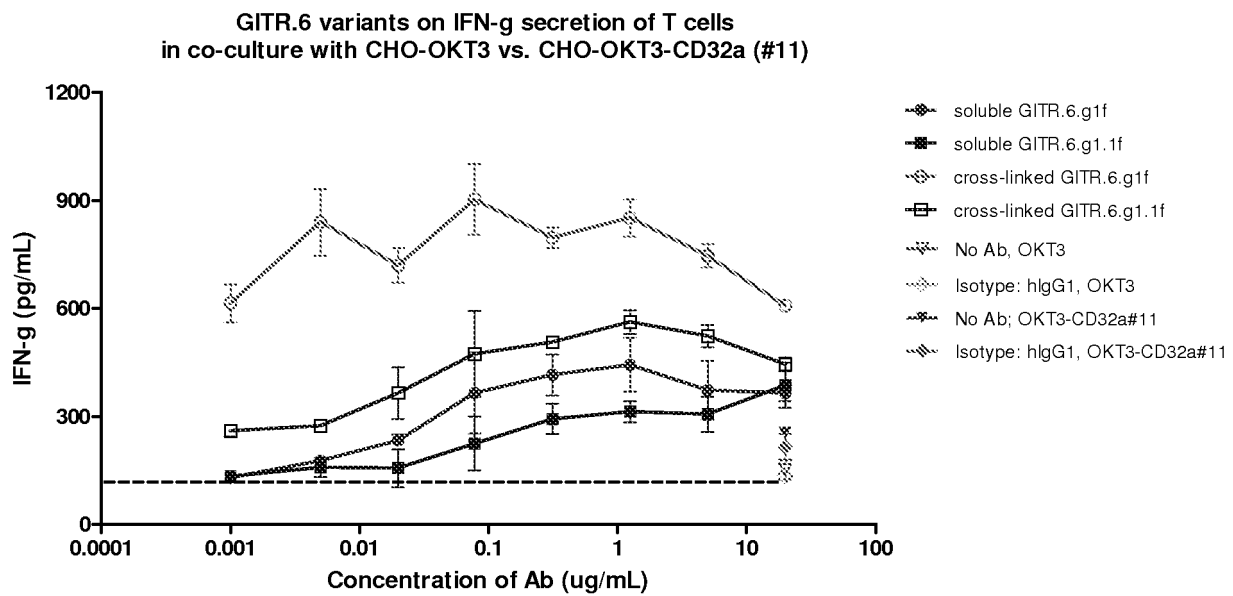


Figure 66

**Figure 67**

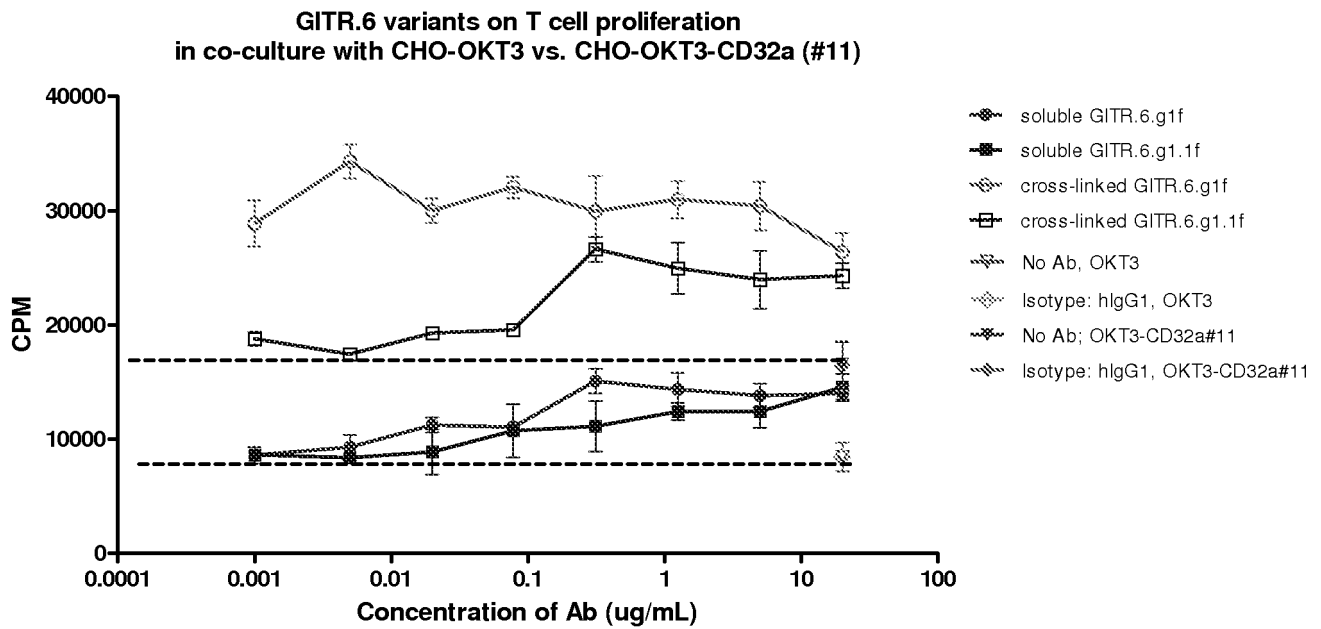


Figure 68