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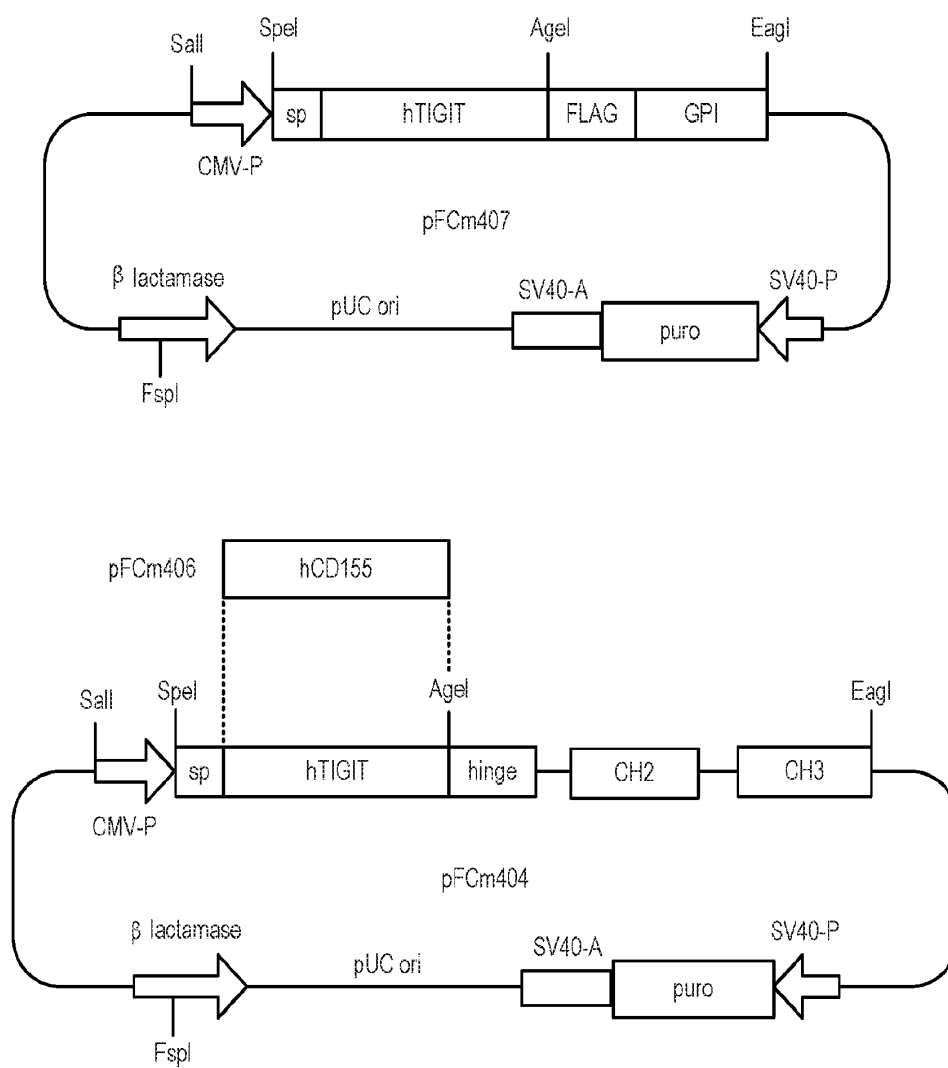


FIG. 1

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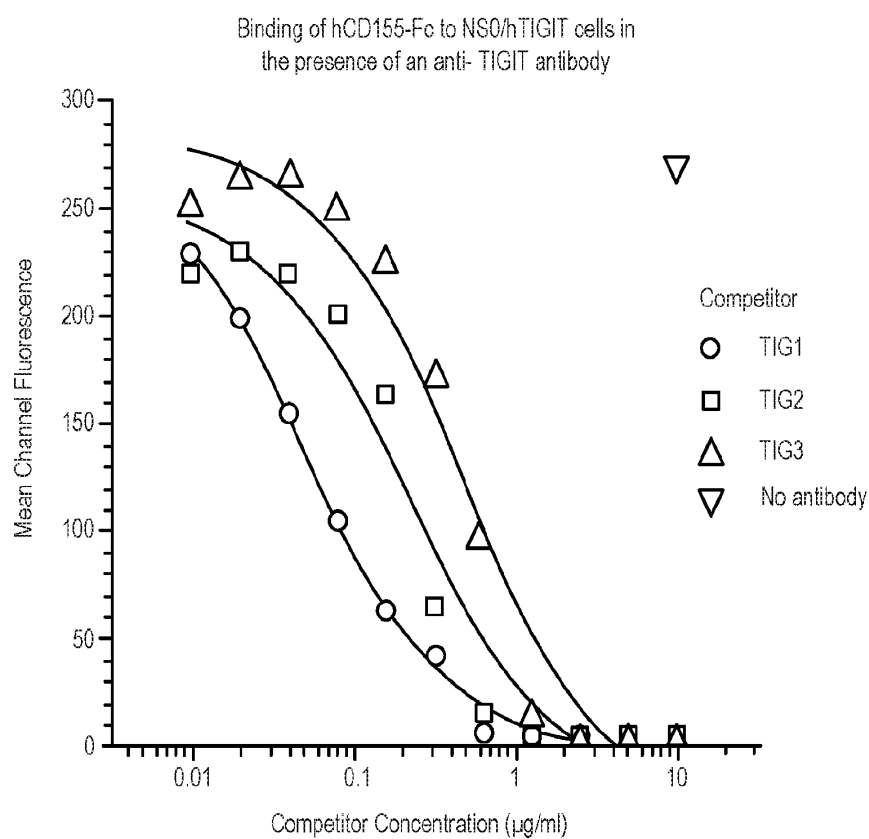


FIG. 2

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TIG1 VH

	1	2	3
123456789	0123456789	0123456789	0123456789
DVQLVESGG	GLVQPGGSRK	LSCAASGFTF	<u>SNFGMHVVRQ</u>
			CDR1

4	5	6	7
0123456789	01223456789	0123456789	0123456789
	a		
APEKGLEWVA	<u>FISSGSSSIYY</u>	ADTVKGRFTI	SRDNPKNLTF
	CDR2		

		1	1
8	9	0	1
0122223456789	0123456789	000123456789	0123
abc		ab	
LQMTSLRSEDAM	YYCARMRLDY	<u>YAMDYWGQGT</u> SV	TVSS
		CDR3	

FIG. 3

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TIG1 VL

	1	2	3
123456789	0123456789	0123456789	0123456789
DVQITQSPS	YLAAS PGETI	TINCRASKSI	<u>SKYLAWYQEK</u>
			CDR1

4	5	6	7
0123456789	0123456789	0123456789	0123456789
PGKTNKLLIY	<u>SGSTLQSGIP</u>	SRFSGSGSGT	DFTLTISSE
	CDR2		

		1
8	9	0
0123456789	0123456789	01234567
PEDFAMYYCQ	<u>QHNEYPWTFG</u>	GGTKLEIK
	CDR3	

FIG. 4

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TIG2 VH

	1	2	3
123456789	0123456789	0123456789	0123456789
EVQLQQSGP	ELVKPGASVK	ISCKTSGYTF	<u>TEYTMHWKQ</u>
			CDR1

4	5	6	7
0123456789	01223456789	0123456789	0123456789
	a		
SHGKNLEWIG	<u>GINPNNGGTSY</u>	<u>NQKFGRATL</u>	TVDKSSSTAY
	CDR2		

		1	1
8	9	0	1
0122223456789	0123456789	000123456789	0123
abc		ab	
MELRSLTSDSAV	YYCARPGWYN	<u>YAMDYWGQGTSV</u>	TVSS
		CDR3	

FIG. 5

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TIG2 VL

	1	2	3
123456789	0123456789	0123456789	0123456789
DIVMTQSHK	FMSTSVGDRV	NITCKASQGV	STAVAWYQQK
		CDR1	

4	5	6	7
0123456789	0123456789	0123456789	0123456789
PGQSPKLLIY	SASYRYTGVP	DRFTGSGSGT	DFTFTISSVQ
	CDR2		

8	9	10
0123456789	0123456789	01234567
AEDLAVYHCQ	QHYITPWTFG	GGTKLEIK
	CDR3	

FIG. 6

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TIG3 VH

	1	2	3
123456789	0123456789	0123456789	0123456789
EVQLVESGG	GLVKPGGSLK	LSCAASGFAF	<u>SDYDMSWVRQ</u>
			CDR1

4	5	6	7
0123456789	0123456789	0123456789	0123456789
	a		
TPEKRLEWVA	<u>YISDGGYNTYY</u>	<u>PDTVKGRTI</u>	SRDNAKNTLY
	CDR2		

8	9	1	1
		0	1
0122223456789	0123456789	000123456789	0123
abc		ab	
LQMSSLKSEDTAI	YYCARQILLR	<u>YYFDYWQGQTTL</u>	TVSS
		CDR3	

FIG. 7

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TIG3 VL

	1	2	3
123456789	0123456789	0123456777777789	0123456789
		abcdef	
DIVMSQSPS	SLAVSVGEKV	TMTCKSSQSLLYSSNQ	KNYLAWYQQK
			CDR1

4	5	6	7
0123456789	0123456789	0123456789	0123456789
PGQSPKLLIY	WASTRESGVP	DRFTGSGSGT	DFTLTISVK
	CDR2		

8	9	10
0123456789	0123456789	01234567
AEDLAVYYCQ	QYHSYPWTFG	GGTKLEIK
	CDR3	

FIG. 8

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HuTIG1 VH gene

ACTAGTACCACCATGGACTCCAGGCTCAATCTGGTTTTCTTGTCCTTATTCTGAAAGGC
M D S R L N L V F L V L I L K G

GTCCAGTGTGAAGTGCAGCTGGTGGAGTCTGGGGGAGGCCTGGTGCAGCCTGGAGGGTCC
V Q C E V Q L V E S G G G L V Q P G G S

CTGAGACTCTCCTGTGCAGCCTCTGGATTCACTTTCAGTAACTTTGAATGCACTGGGTT
L R L S C A A S G F T F S N F G M H W V

CGACAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGCATTATTAGTAGTGGCAGTAGTTCC
R Q A P G K G L E W V A F I S S G S S S

ATCTACTATGCAGACACAGTGAAGGGCCGATTACCATCTCCAGAGACAATGCCAAGAAC
I Y Y A D T V K G R F T I S R D N A K N

AGCCTGTACCTGCAAATGAACAGTCTGAGGGCTGAGGACACTGCCGTGTATTACTGTGCA
S L Y L Q M N S L R A E D T A V Y Y C A

AGAATGAGACTGGATTACTATGCTATGGACTACTGGGGTCAAGGAACCATGGTCACCGTC
R M R L D Y Y A M D Y W G Q G T M V T V

TCCTCAGGTAAGTATGGCCTCTAAGCTT (SEQ ID NO:38)

S S (SEQ ID NO:34)

FIG. 9A

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HuTIG1 VL gene

GCTAGCACCAACCATGAGGTTCCAGGTTCCAGGTTCTGGGGCTCCTTCTGCTCTGGATCTCA
M R F Q V Q V L G L L L L W I S
GGAGCCCAGTGTGATATCCAGATGACCCAGTCTCCATCTTCTCTTTCTGCATCTGTTGGA
G A Q C D I Q M T Q S P S S L S A S V G
GATAGAGTCACTATTACTTGCAGGGCAAGTAAGAGCATTAGCAAATATCTGGCCTGGTAT
D R V T I T C R A S K S I S K Y L A W Y
CAACAGAAACCTGGGAAAGCTCCTAAGCTGCTTATCTACTCTGGGTCCACTTTGCAATCT
Q Q K P G K A P K L L I Y S G S T L Q S
GGAGTTCCATCAAGATTCAGTGGCAGTGGATCTGGTACAGATTTCACTCTCACCATCAGT
G V P S R F S G S G S G T D F T L T I S
AGCCTGCAGCCTGAAGATTTTGCAACCTATTACTGTCAACAGCATAATGAATACCCCTGG
S L Q P E D F A T Y Y C Q Q H N E Y P W
ACCTTCGGCGGAGGCACCAAAGTCGAAATCAAACGTAAGTAGAATCCAAAGAATTC (SEQ ID NO:39)
T F G G G T K V E I K (SEQ ID NO:36)

FIG. 9B

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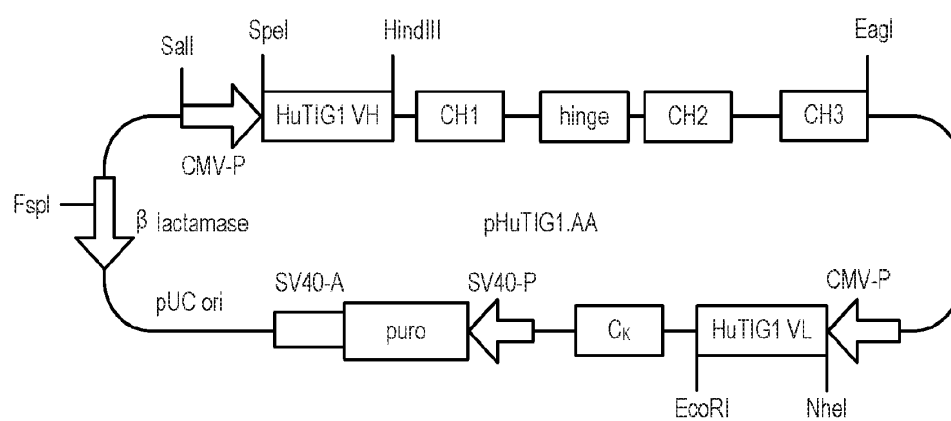


FIG. 10

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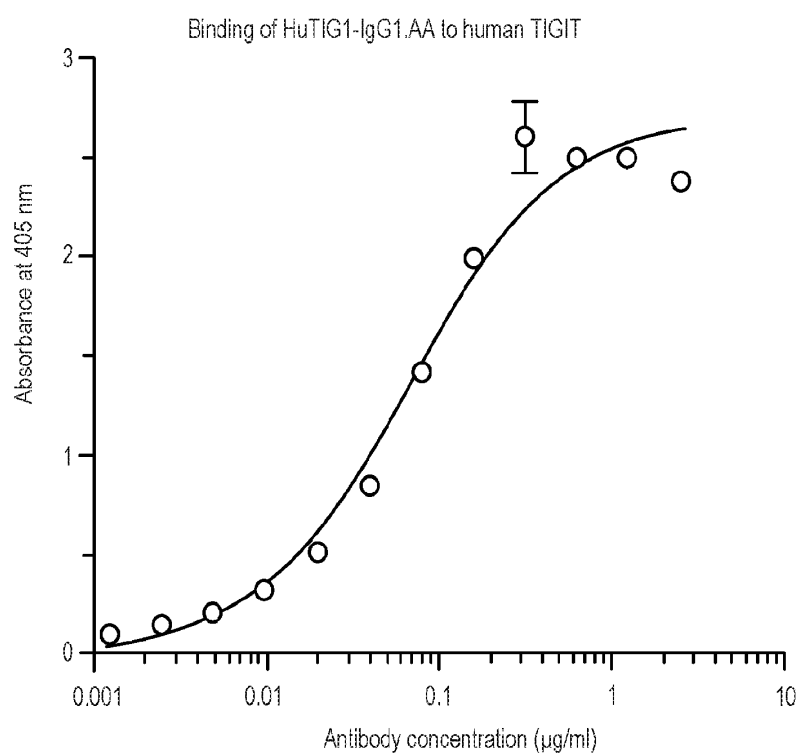


FIG. 11

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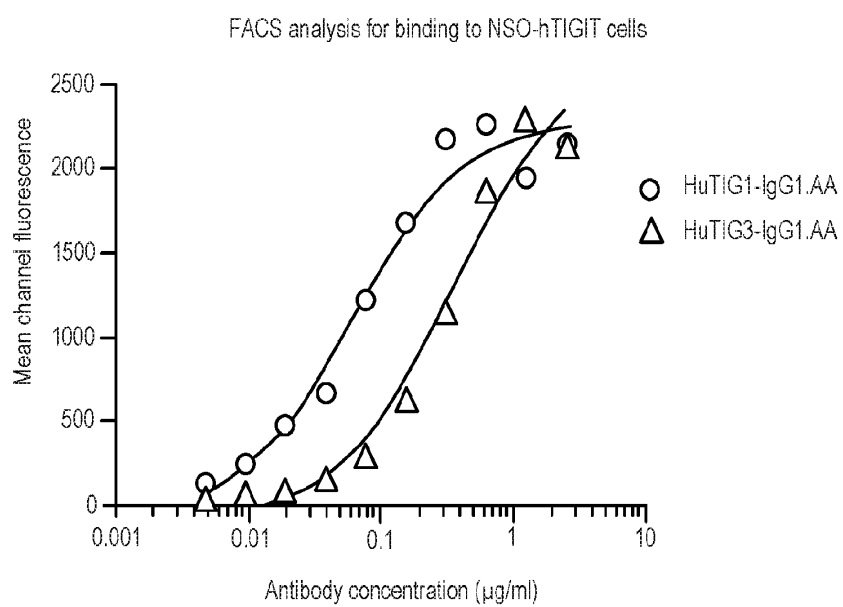


FIG. 12

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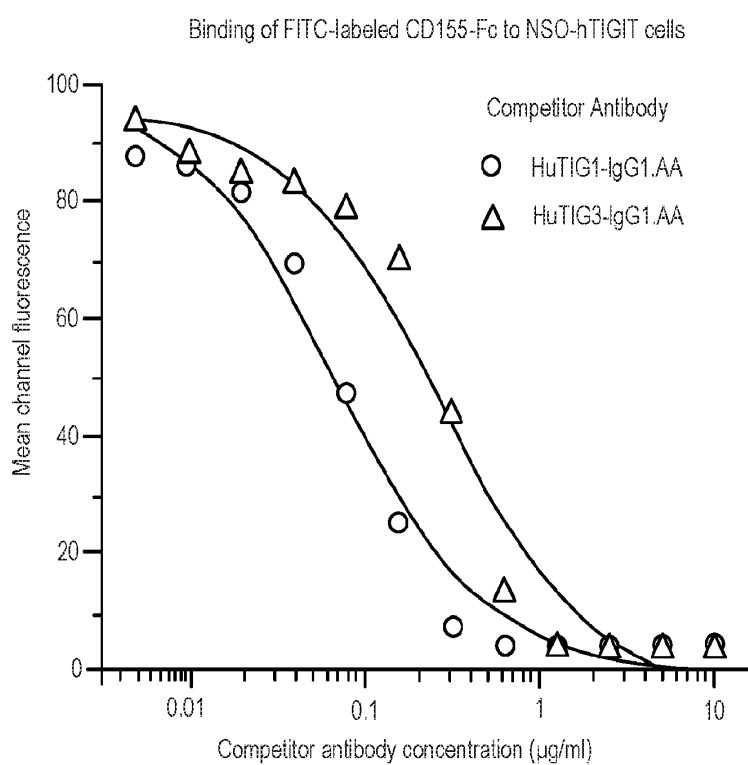


FIG. 13

SUBSTITUTE SHEET (RULE 26)

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HuTIG3 VH gene

ACTAGTACCACCATGAACTTTGGGCTCAGATTGATTTTCCTTGTCCCTTACTCTGAAAGGC
M N F G L R L I F L V L T L K G
GTGAACTGTGAAGTCCAGCTCGTGGAGTCTGGGGGAGGCCTTGTGCAGCCTGGAGGGTCC
V N C E V Q L V E S G G G L V Q P G G S
CTGAGACTCTCCTGTGCAGCCTCTGGATTCGCTTTCAGTGACTATGACATGTCTTGGGTT
L R L S C A A S G F A F S D Y D M S W V
CGCCAGGCTCCTGGCAAGGGGCTGGAGTGGGTGCATACATTAGTGATGGCGGTTATAAC
R Q A P G K G L E W V A Y I S D G G Y N
ACCTACTATCCAGACACTGTGAAGGGCCGATTCAACATCTCCAGAGACAATGCCAAGAAC
T Y Y P D T V K G R F T I S R D N A K N
TCCCTGTACCTGCAAATGAACAGTCTGAGGGCTGAGGACACAGCCGTCTATTACTGTGCA
S L Y L Q M N S L R A E D T A V Y Y C A
AGACAAATTCTGCTGCGGTACTACTTTGACTACTGGGGCCAAGGCACCACTGTCACAGTC
R Q I L L R Y Y F D Y W G Q G T T V T V
TCCTCAGGTGAGTCCTTAAACAAGCTT (SEQ ID NO:46)
S S (SEQ ID NO:42)

FIG. 14A

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HuTIG3 VL gene

GCTAGCACCAACCATGGATTACAGGCCAGGTTCTTATGCTGCTGCTGCTCTGGGTTTCT
M D S Q A Q V L M L L L L W V S
GGAACCTGTGGGGACATTGAGATGACACAGTCTCCATCCTCCCTGTCTGCCTCAGTTGGA
G T C G D I Q M T Q S P S S L S A S V G
GACAGGGTTACTATCACCTGCAAGTCCAGTCAGAGTCTTCTGTATAGTAGCAATCAAAAG
D R V T I T C K S S Q S L L Y S S N Q K
AACTACTTGGCCTGGTACCAGCAGAAACCAGGGAAGGCTCCTAACTGCTGATTTACTGG
N Y L A W Y Q Q K P G K A P K L L I Y W
GCATCCACTAGGGAATCTGGGGTCCCTAGTCGCTTCTCAGGCAGTGGATCTGGGACAGAT
A S T R E S G V P S R F S G S G S G T D
TTCCTCTCACCATCAGCAGTCTGCAGCCTGAAGACTTCGCAGTTTATTACTGTCAGCAA
F T L T I S S L Q P E D F A V Y Y C Q Q
TATCATAGCTATCCCTGGACCTTCGGCGGAGGCCACCAAGGTGGAAATCAAACGTAAGTAG
Y H S Y P W T F G G G T K V E I K (SEQ ID NO:44)
AATCCAAAGAATTC (SEQ ID NO:47)

FIG. 14B

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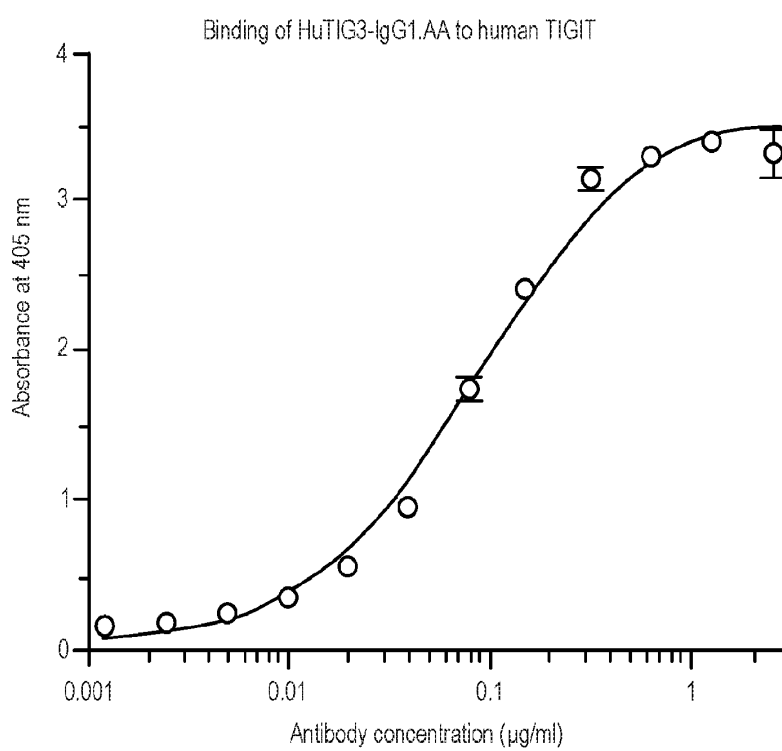


FIG. 15

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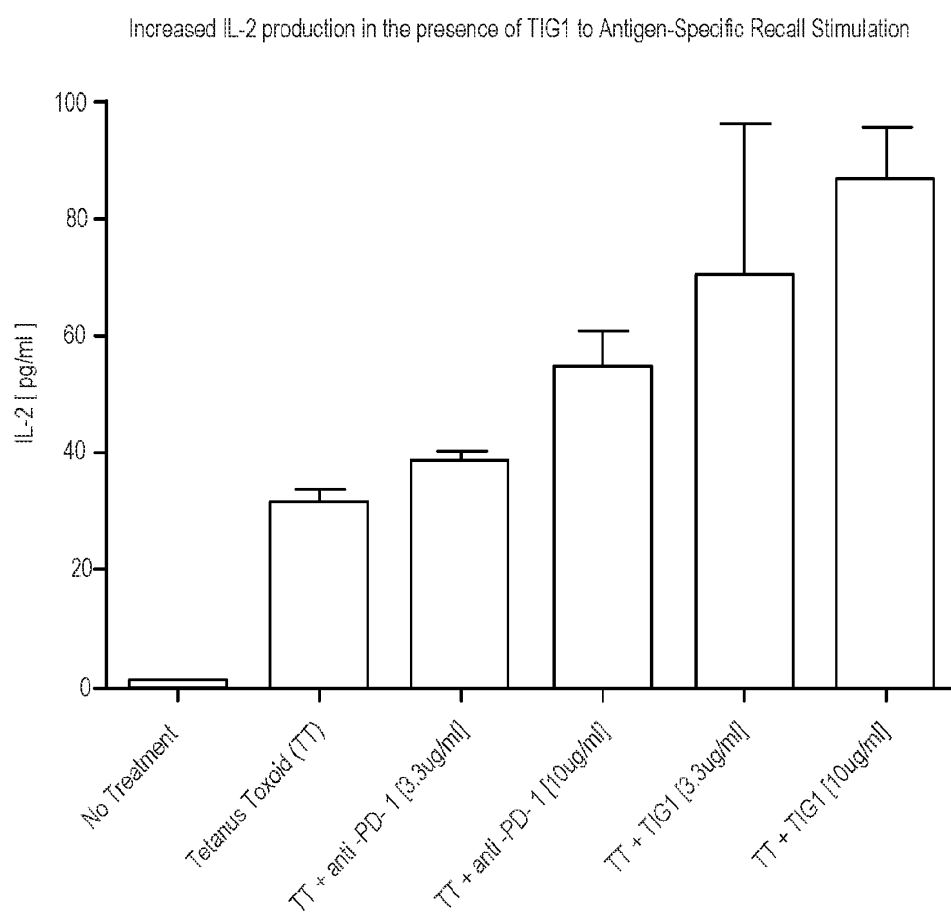


FIG. 16

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Increased CD4+ & CD8+ T cell proliferation by TIG1 to Antigen-Specific Recall Stimulation.

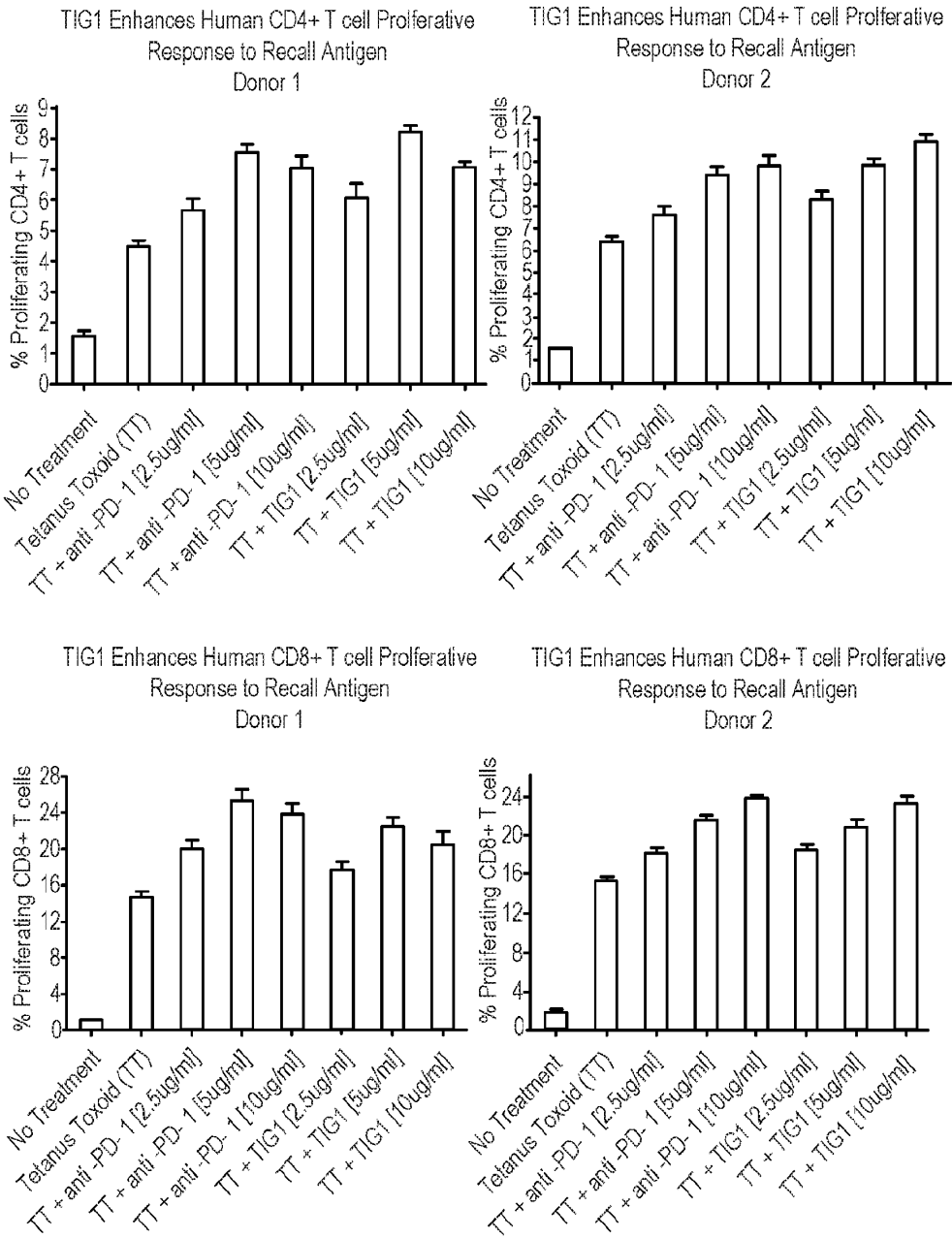


FIG. 17

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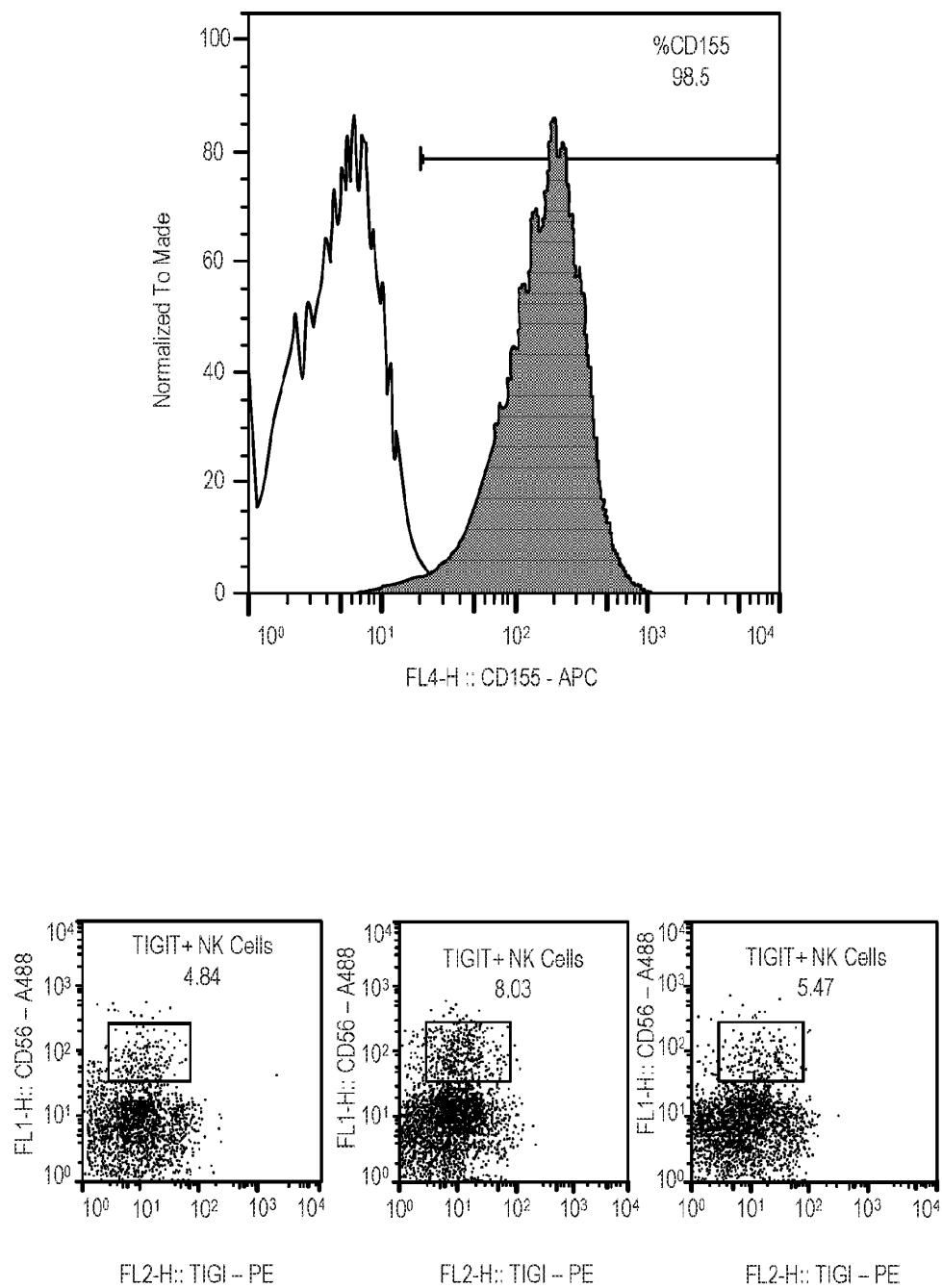


FIG. 18

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Enhanced NK cell mediated cytotoxicity by TIG1 on K562 Target Cells.

Increased NK cell Natural Cytotoxicity in the presence of TIG1 to K562 Cells

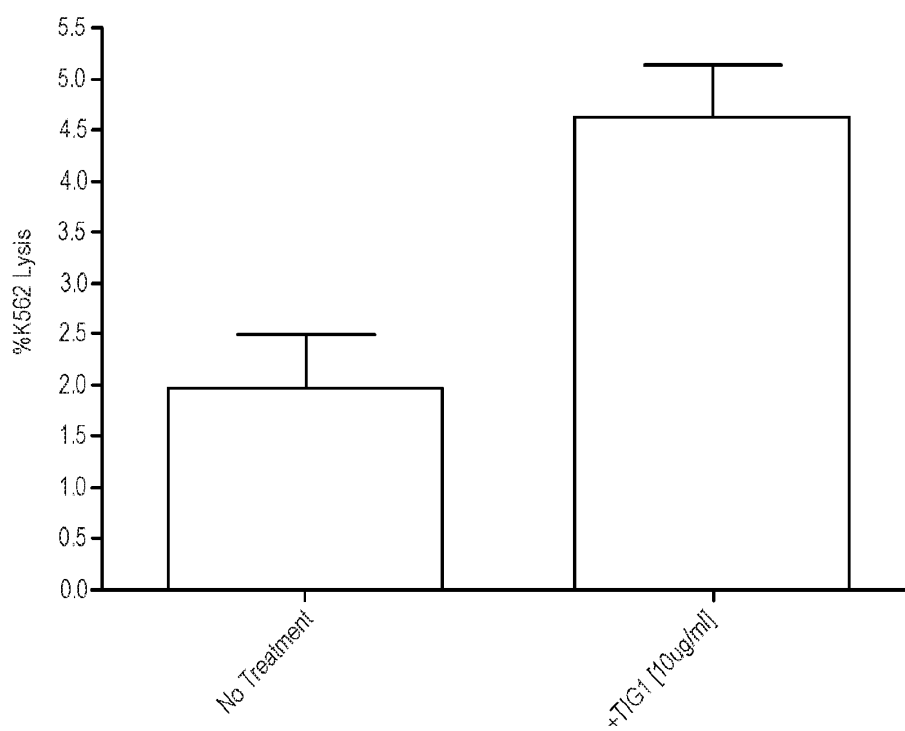
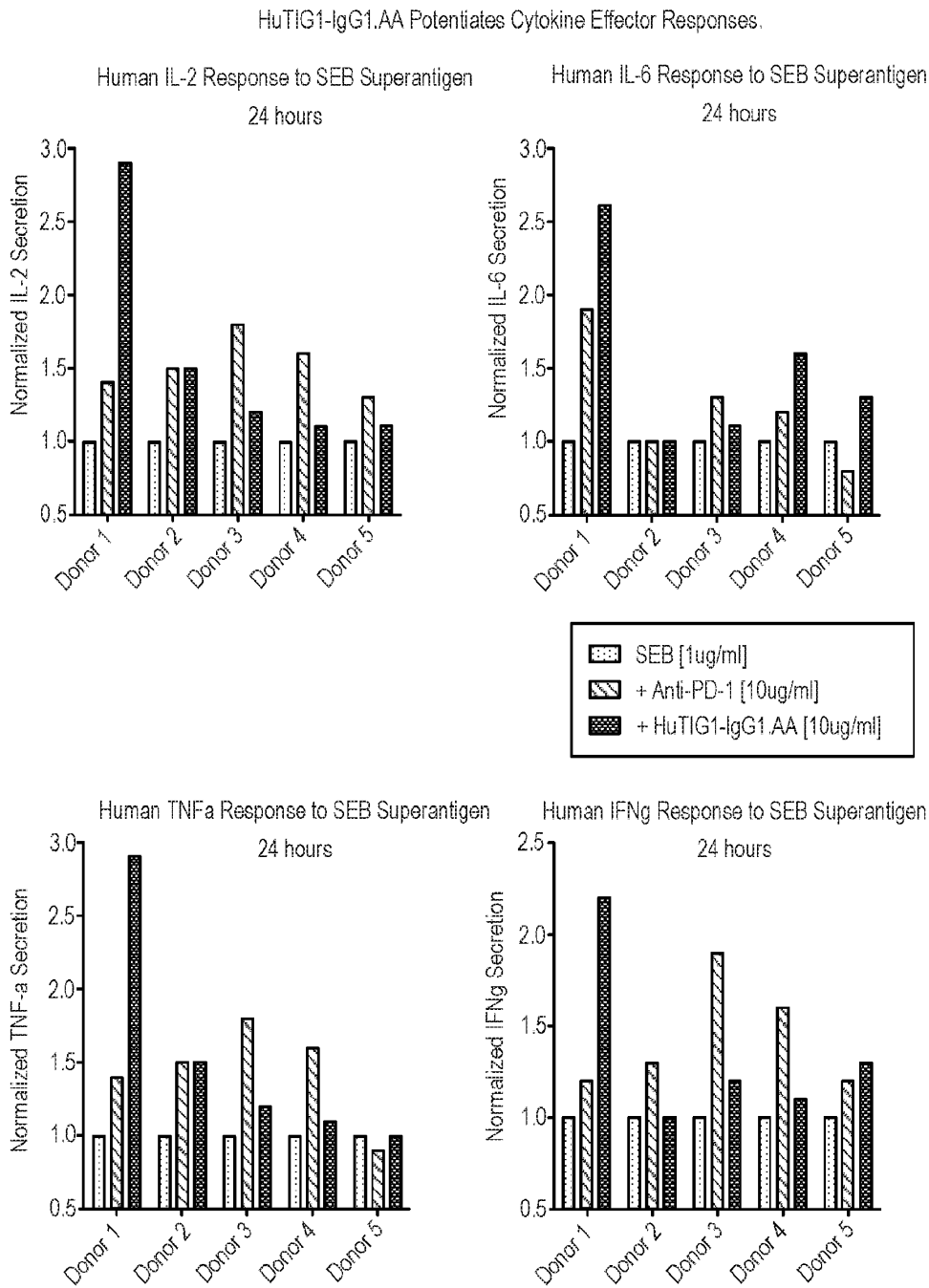


FIG. 19

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Human TNF- α Response to SEB Superantigen

24 hours

Donor	SEB [1ug/ml]	+ Anti-PD-1 [10ug/ml]	+ HuTIG1-IgG1.AA [10ug/ml]
Donor 1	1.0	1.4	2.9
Donor 2	1.0	1.5	1.5
Donor 3	1.0	1.8	1.2
Donor 4	1.0	1.6	1.1
Donor 5	1.0	0.9	1.0

Human IFN γ Response to SEB Superantigen

24 hours

Donor	SEB [1ug/ml]	+ Anti-PD-1 [10ug/ml]	+ HuTIG1-IgG1.AA [10ug/ml]
Donor 1	1.0	1.2	2.2
Donor 2	1.0	1.3	1.0
Donor 3	1.0	1.9	1.2
Donor 4	1.0	1.6	1.1
Donor 5	1.0	1.2	1.3

FIG. 20

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Jurkat-TIGIT cell line expresses Human TIGIT on its cell surface

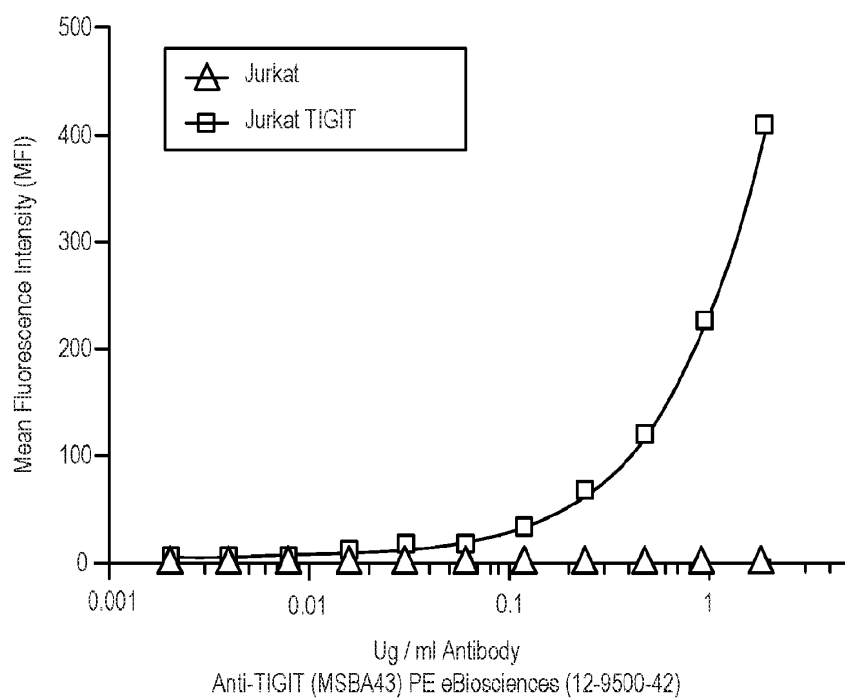
Expression of Human TIGIT on
Jurkat-TIGIT Reporter Cell Line

FIG. 21

SUBSTITUTE SHEET (RULE 26)

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HuTIG1-IgG1.AA & HuTIG3-IgG1.AA do not elicit CDC Activity.

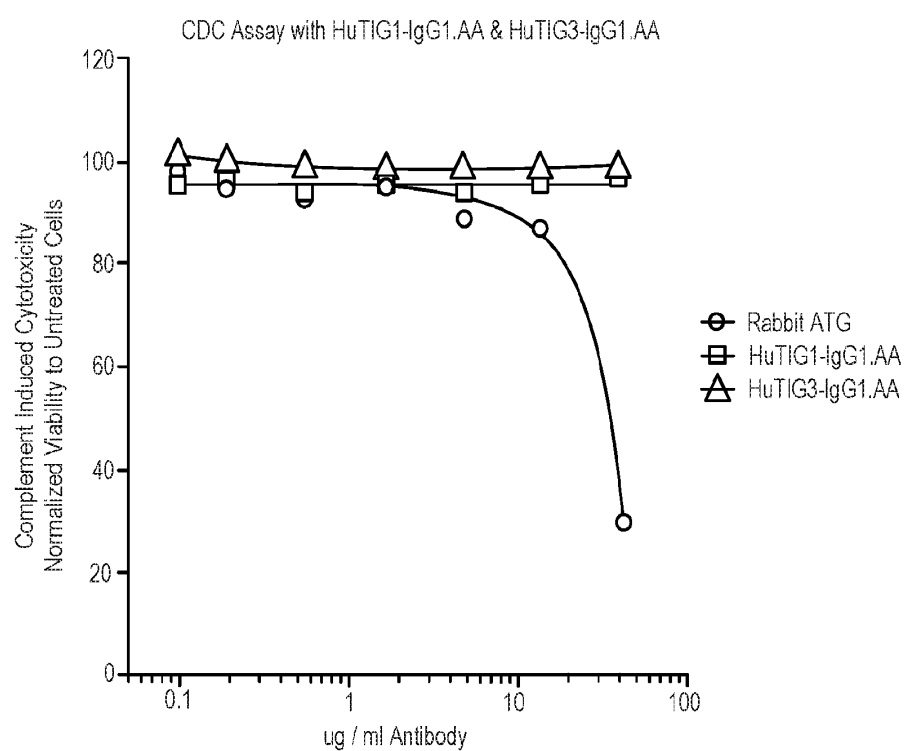


FIG. 22

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In vitro T-cell Antagonistic Activity Assay for Anti-human TIGIT Antibodies.

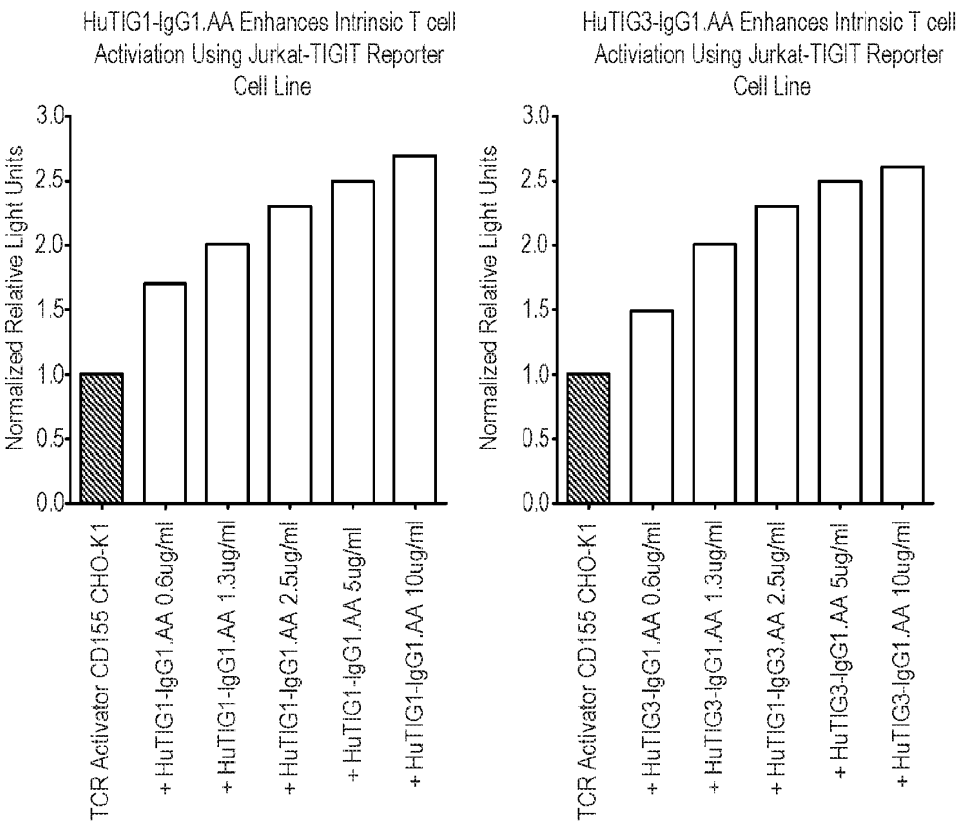


FIG. 23

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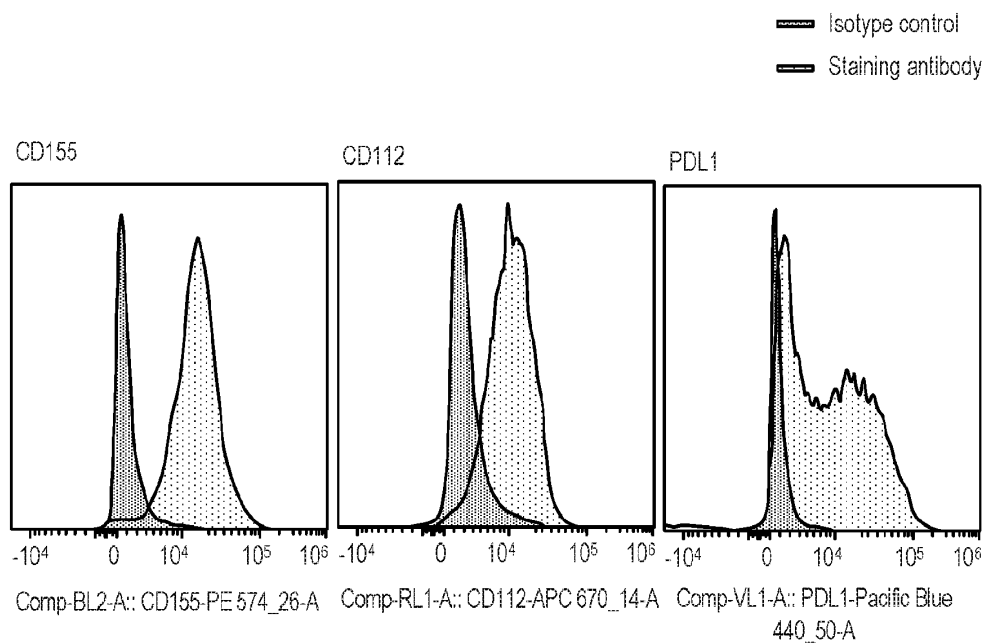


FIG. 24

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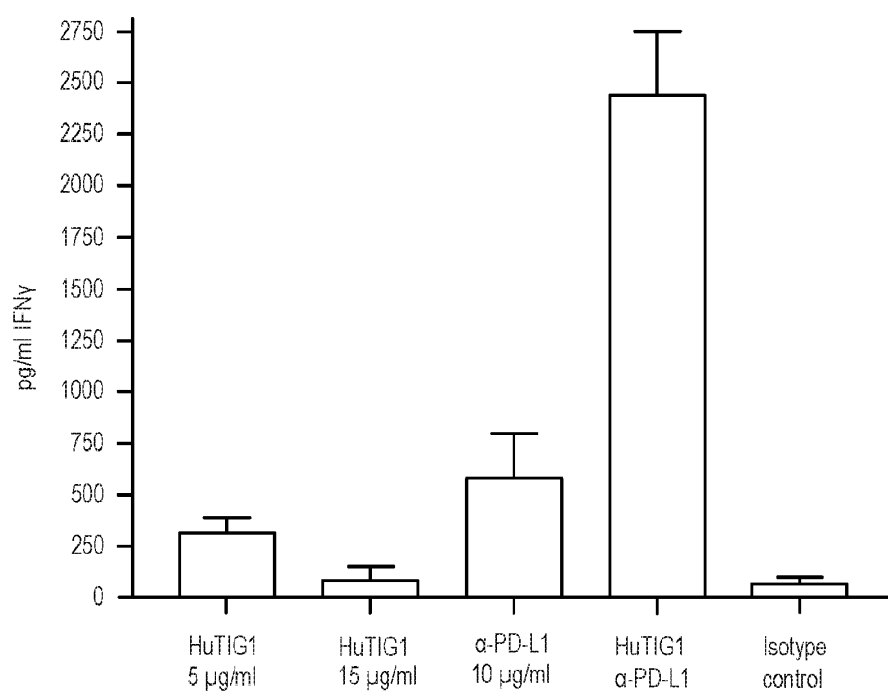


FIG. 25

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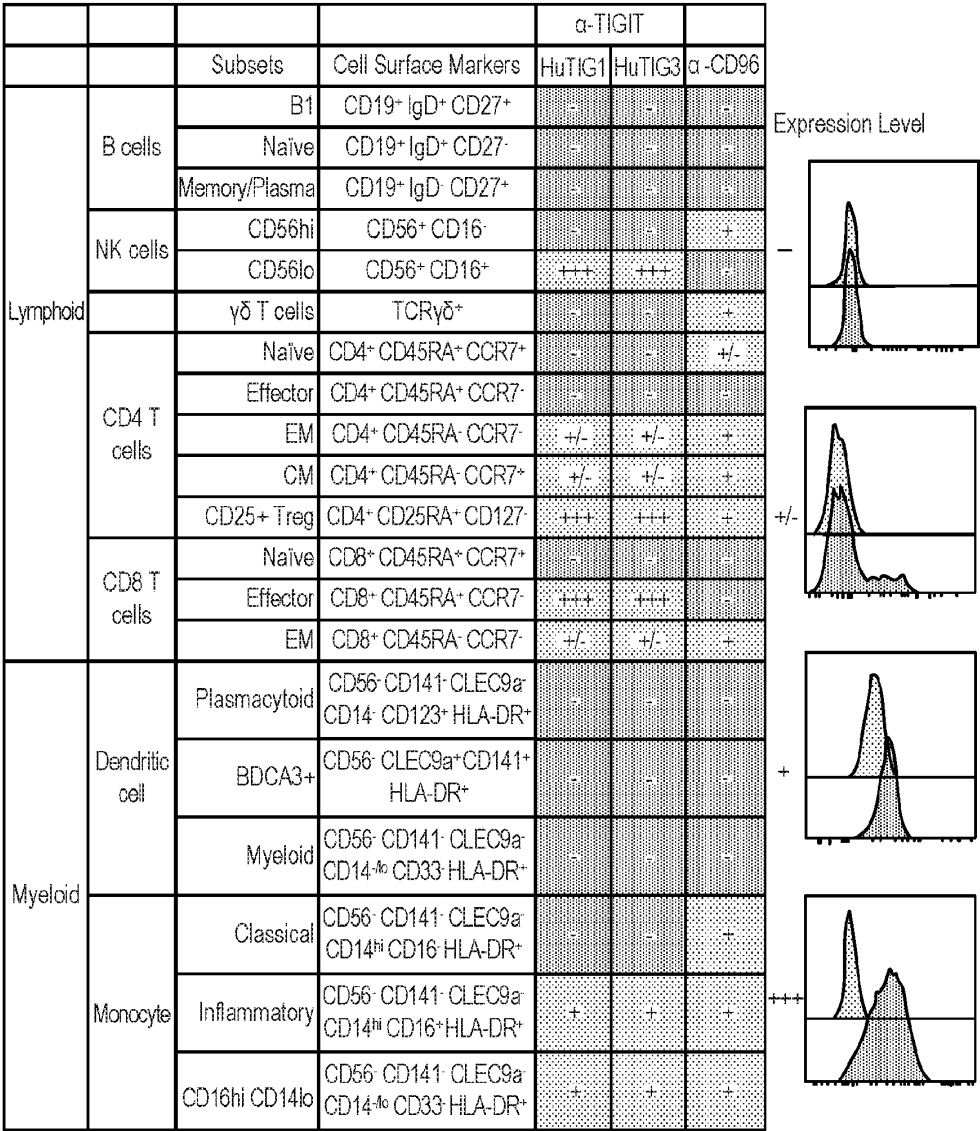


FIG. 26A

FIG. 26B

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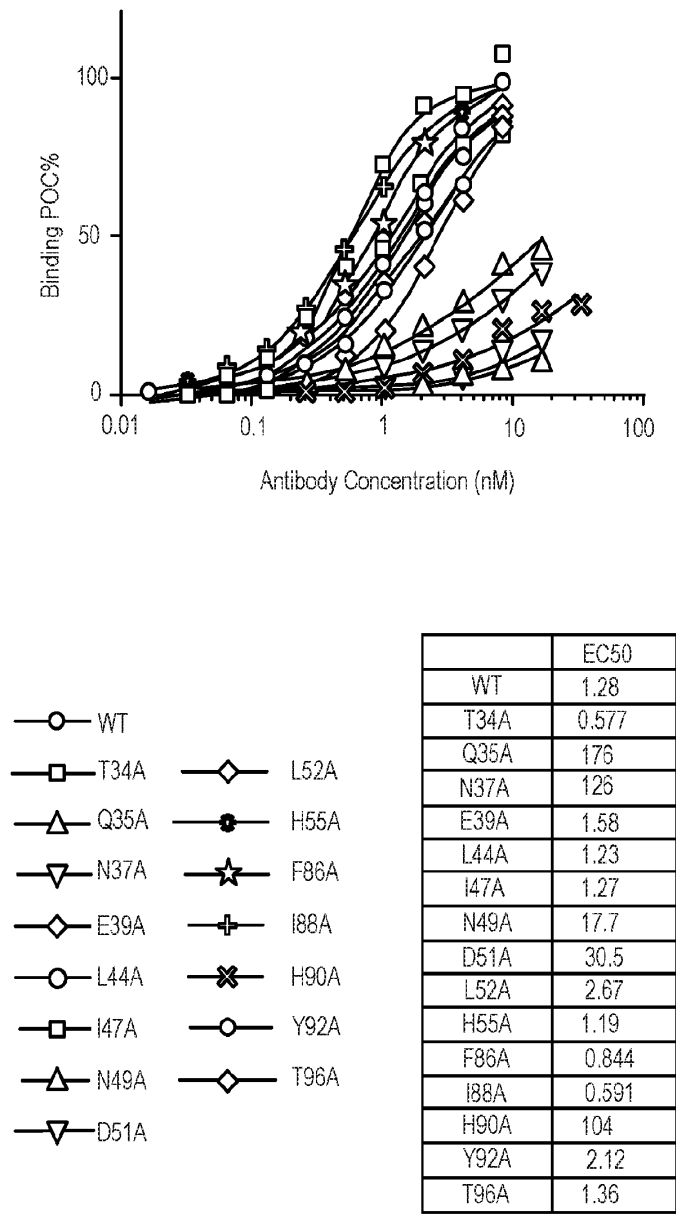


FIG. 27

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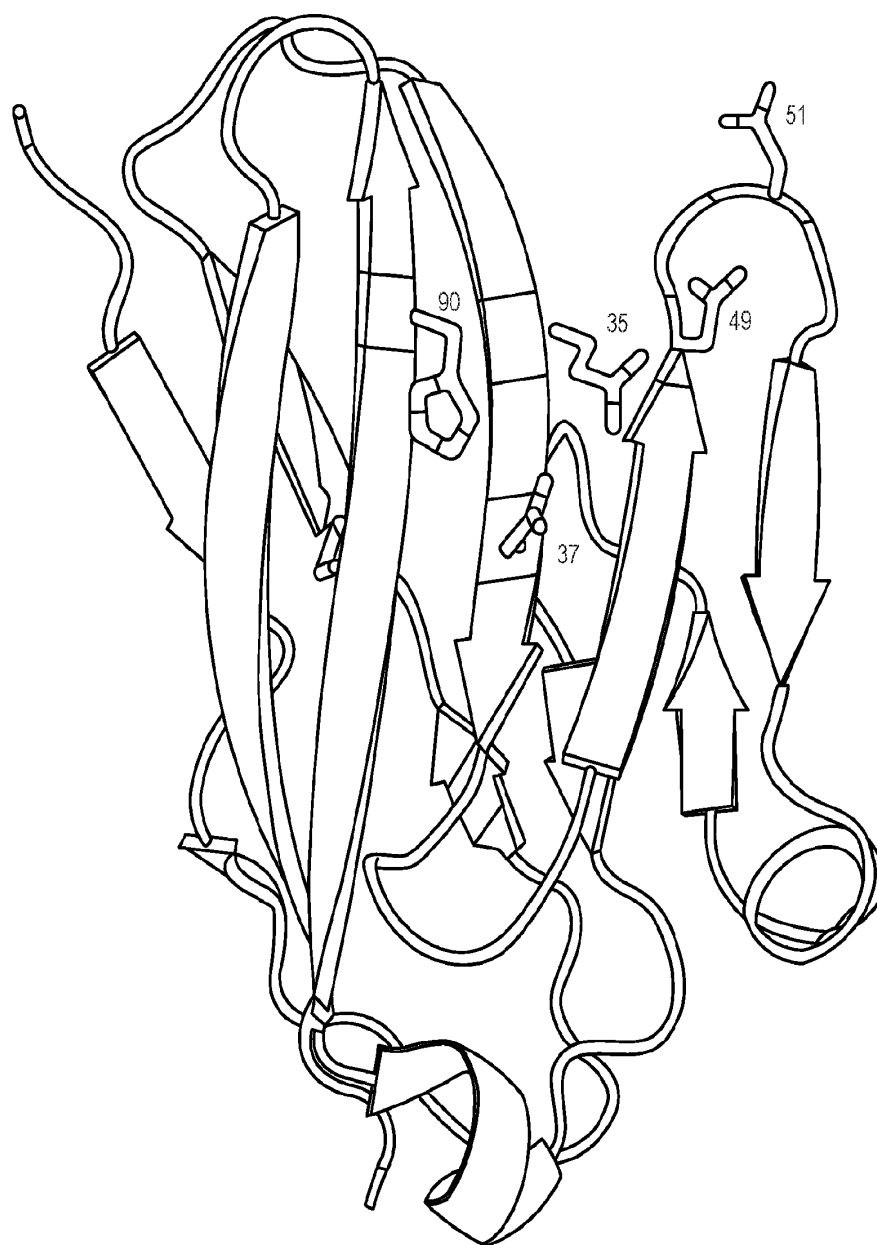


FIG. 28

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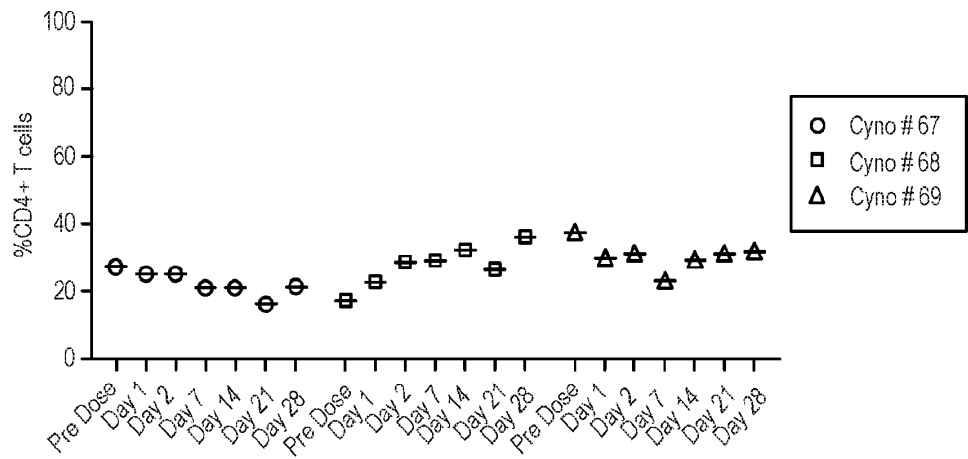


FIG. 29A

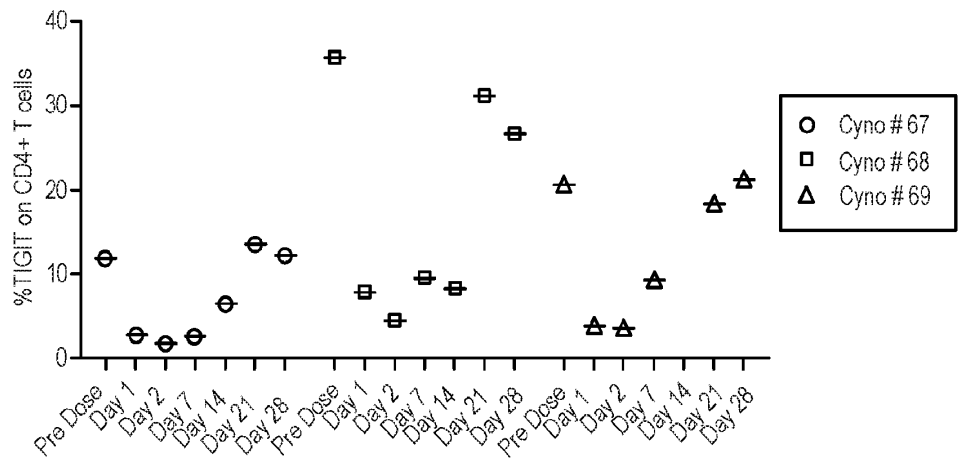


FIG. 29B

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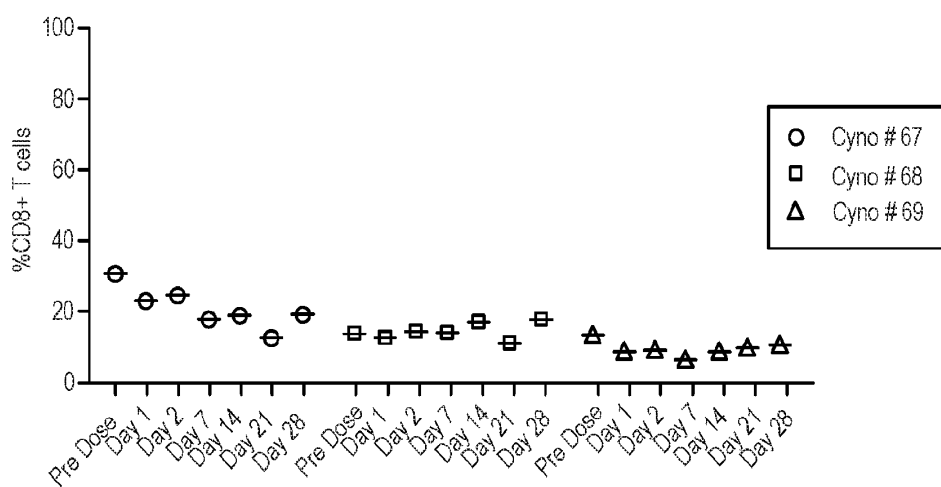


FIG. 30A

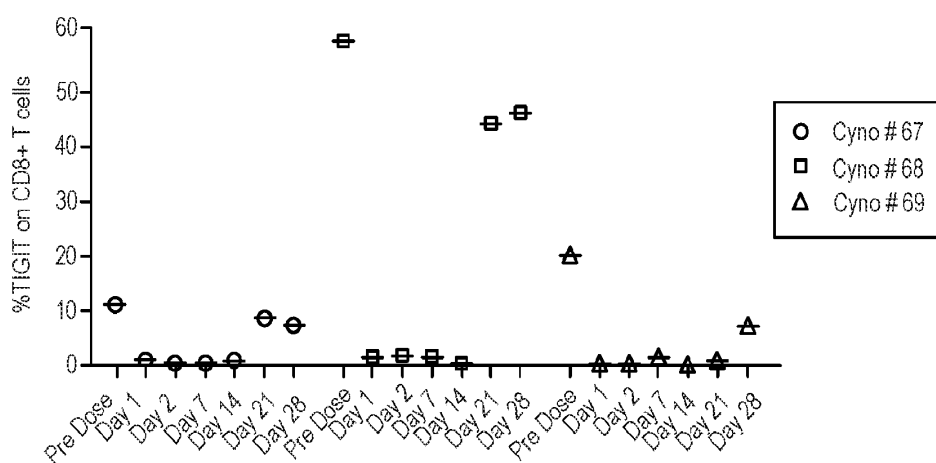


FIG. 30B

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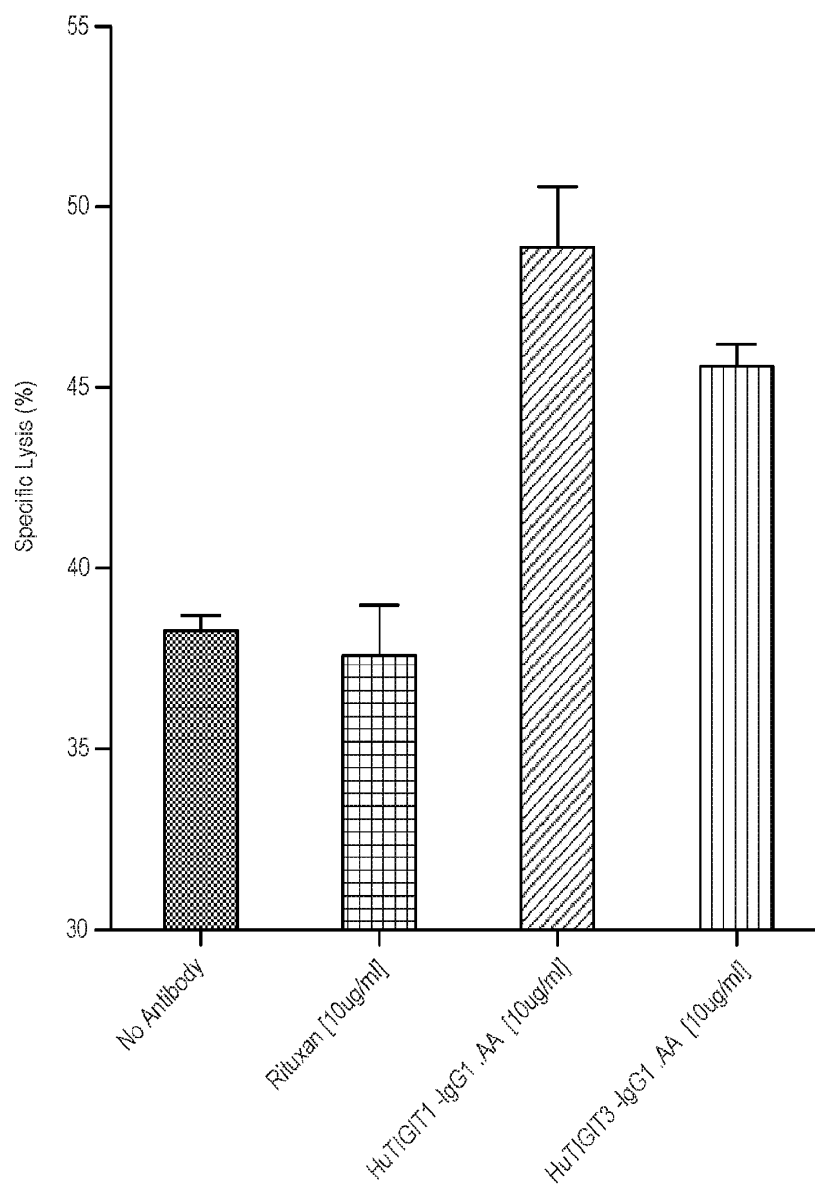


FIG. 31

SUBSTITUTE SHEET (RULE 26)

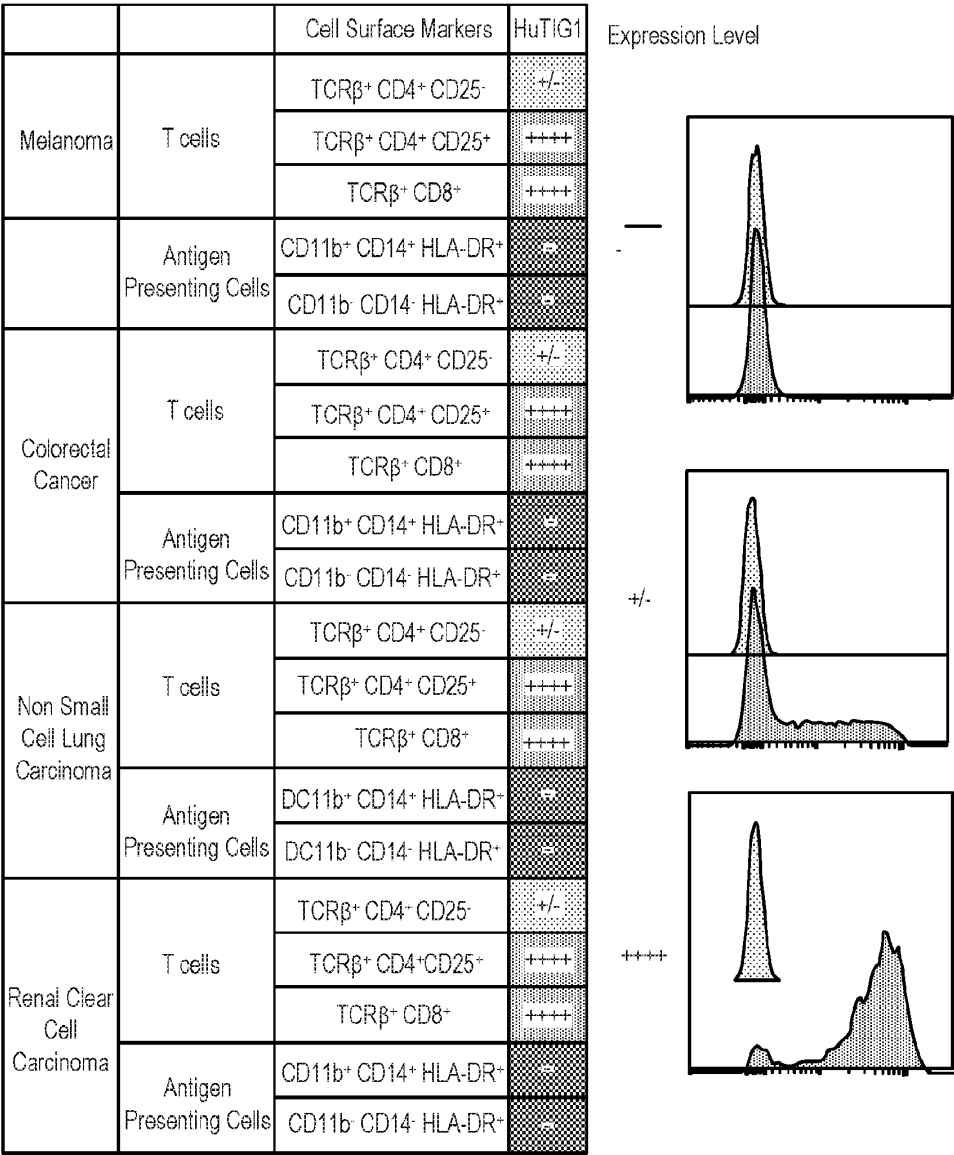


FIG. 32A

FIG. 32B