

FIGURE 1

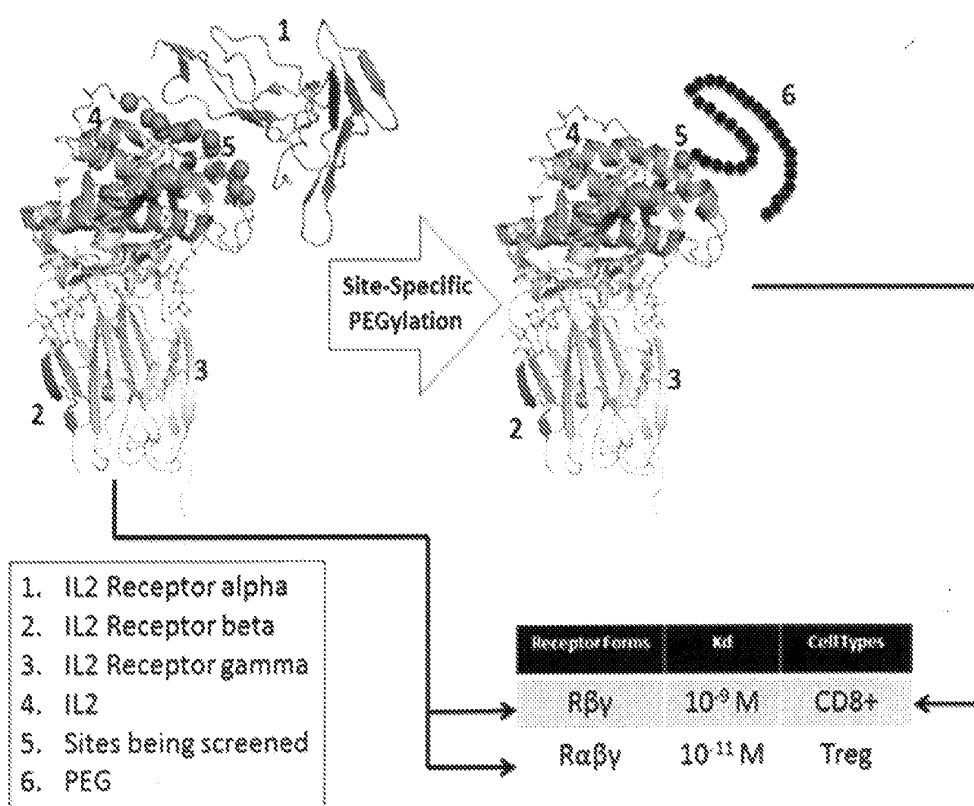


FIGURE 2

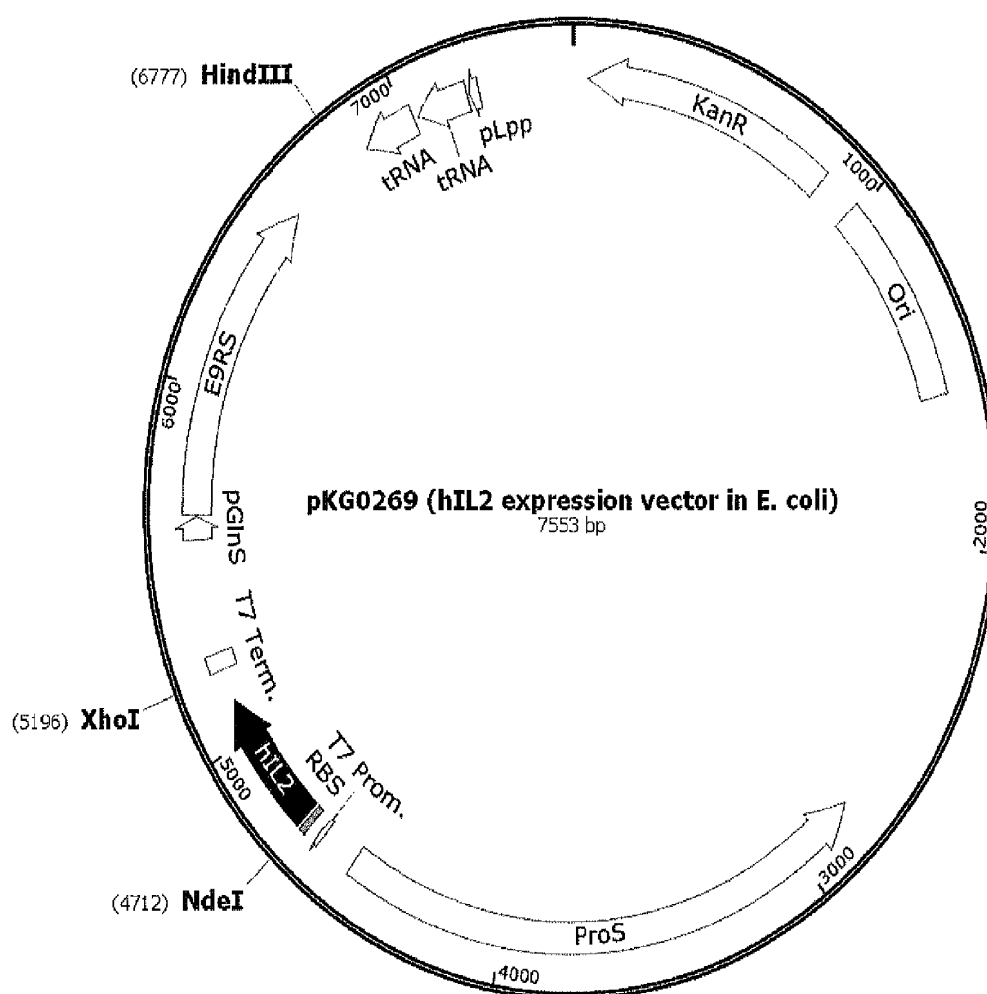


FIGURE 3A

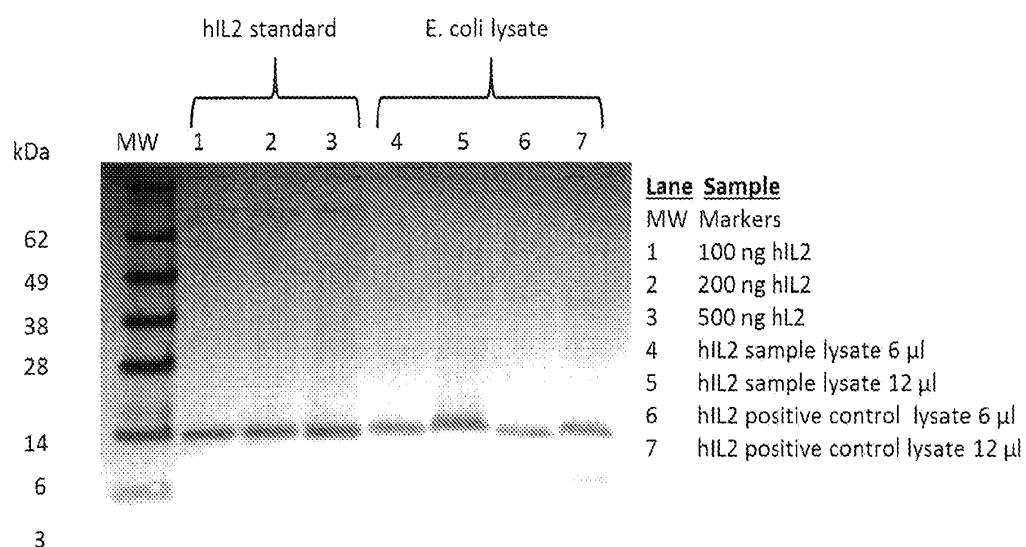


FIGURE 3B

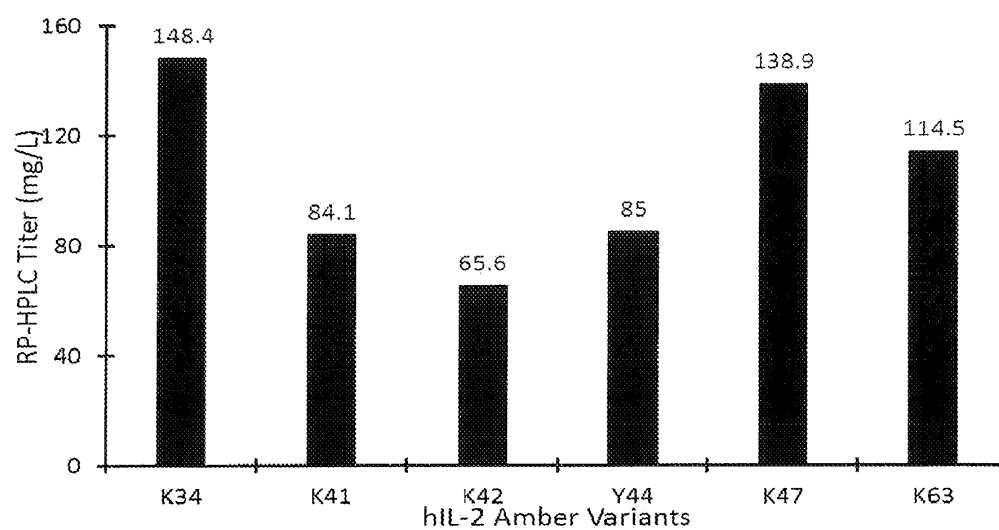


FIGURE 4A

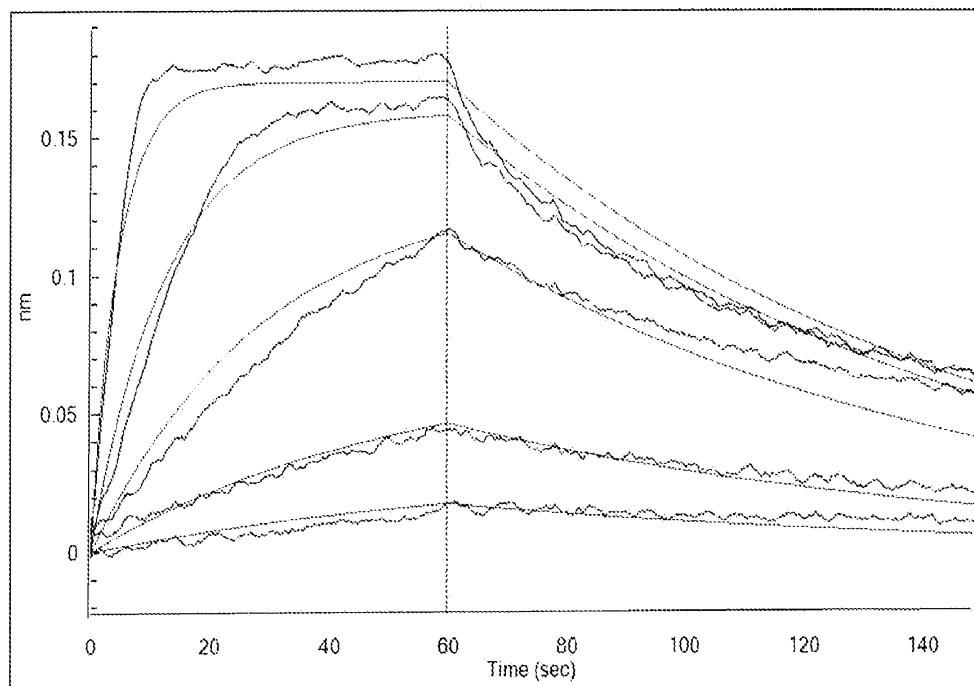


FIGURE 4B

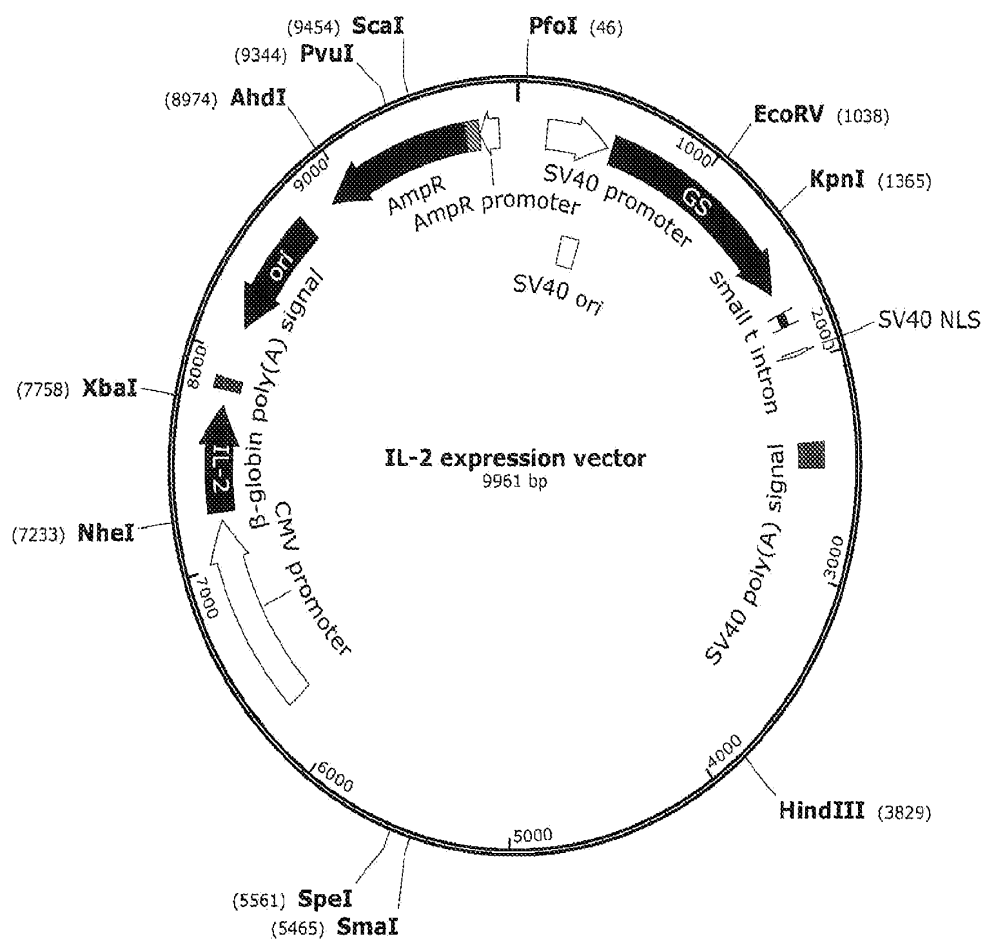


FIGURE 5

Forward primer U-F

1 CAGAGCTGGA AGTGGTGAAA AGCAGCGTGG GGTGTAACT GCCAATGGT TCCTGGTCCC AGCCACATTG TAAATCACCT
 GTCTCGACCT TCACCACTTT TCGTGCACCC CCACAATTGA CGGTTACCAA AGGACCAGGG TCGGTGTAAAC ATTTAGTGGG
 81 GGTGAGGGCT AATGCAAGG AGGTGACGCT TCACAGAGAT GGGCCACTGG GCGAGACGGT GCTGGAGTGC TACAACGCG
 TTTACGTTCC CCACTCCCGA TCCACTGCCA AGTGTTCCTA CCCGGTGACC CGCTCTGCCA CGACCTCAGC ATGTTGACGC

Exon 4 gRNA site II

161 GCTGCCGCAA CGTCTTCCG CTAGGCTTCA TCCCTGCCAA GGCCEACTCG GTGGTGGTGT TGCTGTGCA GTGAGCTTCC
 CBACGGCGTT GCAGAAGGAC GATCCGAAGT AGGGACGGTT CCGGCTGAGC CACCACCACA ACGACACGTC CACTGGAAGG
 241 TGCAGCAGGG TGGAGTGGGG CCGGGCAGGG ACTGTTGGGA CCCAGAGGG CGCTTCTGTG TGTACTCTGG TCBAATTCNA
 ACSTCGTCCC ACCTCACCCC GCGCCGTCCC TGACAACCTT GGGTTCTCCC GCGAAGACAC ACATGAGACC AGTTAAAGTT
 301 AACGAAGTCT GGCCTGGTGT AGTGGTGCCA GCTTTTAATC CCAGCACTGG GGAGGCAGAG ACAGGAGGAC CTGTGAGTTC
 TTGCTTCAGA CCGAACCACA TCACCACGGT CBAATAATAG GGTCTGTACC CCTCCGTC TCCTCTCTCT GACACTCAAG
 401 AAGGCCAGCC TGGTCTACAT AGAGAGTCCA GGACAGCCAG AGCTACATAG TGAGCCCTGT TCTCTTAAAA AAAAAAAAAA
 TTCCGGTCCG ACCAGATGTA TCTCTCAGGT CTTGTGGGTC TCGATGTATC ACTCGGGGAC AGAGATTTT TTTTTTTTTT
 481 AAAAAAAGGA AGCAAGCAAG TCTGCTGTGA GCTGGGGGCT CTTGGGCCCA GTCCCAACCT GTTCTCTCTG CCCACACCTG
 TTTTTCCTT TCGTTCGTT AGACGACACT CGACCCCGGA GGACCCGGGT CAGGGTTGGA CAAGAGGACG GGGTGTGGAC
 561 CACAGGGGAGC CCGTGCCCG CCAGAGCAGC CTGAAGGACA TCAACTGGGA CAGTCCCGAG TGGCAGCCCG TGATCCAGGA
 GTGTCCGTGG GGACACGGTC GGTCTGGTGG GACTTCCTGT AGTTGACCTT GTGAGGGTC ACCGTGGGG ACTAGGTCCT

Exon 5 gRNA site III

641 CCGGTGCTTC CTGTATGCG TGGTCAGAT TCCCTCAGAG CAGGAACAGC TACGGGCGCG GCAGATCACT GCCAGCAGA
 GGCACGAAAG GACAGTACCG ACCAGTTCTA AGGGAGTCTC GTCTTGTGG ATGCCCGTGC CBTCTAGTGA CCGGTCTGCT
 721 TCAACAGCT GGAGGAGCTT TGAAGGTGA GCCATCCAGA GATGCTTTC CAAGTCTGCA GAGACAAAG CACACAGCTT
 AGTTGTTTGA CTTCTCGAA ACCTCCACT CGGTAGGTCT CTACGAAGG GTTCAGACGT CTCTGTTTTC GTGTGTGGA
 801 GCCTGGCATA GACCTTTGGG ACATGGGGAG GAAGGGCATG ACCTGAGGGA GCTCTTCGGG AACTGAGTGG TCTTTCTGTA
 CCGACCGTAT CTGGAACCC TGTACCCCTC CTTCCTGAC TGGACTCCCT CGAGAAGCCC TTGACTCACC AGAAGACNT
 CTAGCTGAAG GG
 GATCGACTTC CC

Reverse primer U-R

Title: Interleukin-2 Polypeptide Conjugates and Methods of Use Thereof

Appl. No.: Not Assigned

Atty: Sharon Beresford

Docket No.: AMBX-0232.00PCT

Telephone: 858-875-2447

FIGURE 6

	(231)	231	240	250	260	270	280	290	300	316
UPFI-CHO-gDNA-shortest-version(230)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_001_P1-UPFI-KO-3-A1_U-I-II-R_B06(202)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_002_P1-UPFI-KO-4-B1_U-I-II-R_D06(205)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_003_P1-UPFI-KO-5-C1_U-I-II-R_D06(202)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_004_P1-UPFI-KO-6-D1_U-I-II-R_E06(202)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_005_P1-UPFI-KO-10-E1_U-I-II-R_F06(202)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_006_P1-UPFI-KO-14-F1_U-I-II-R_G06(200)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_007_P1-UPFI-KO-17-G1_U-I-II-R_H06(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_008_P1-UPFI-KO-18-H1_U-I-II-R_A07(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_009_P1-UPFI-KO-38-A2_U-I-II-R_B07(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_010_P1-UPFI-KO-52-B2_U-I-II-R_C07(202)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_011_P1-UPFI-KO-72-C2_U-I-II-R_D07(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_012_P1-UPFI-KO-93-D2_U-I-II-R_E07(204)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_013_P1-UPFI-KO-105-E2_U-I-II-R_F07(201)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_014_P1-UPFI-KO-126-F2_U-I-II-R_G07(200)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_015_P1-UPFI-KO-127-G2_U-I-II-R_H07(204)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_016_P1-UPFI-KO-129-H2_U-I-II-R_A08(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_017_P1-UPFI-KO-137-A3_U-I-II-R_B08(206)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_018_P1-UPFI-KO-139-B3_U-I-II-R_C08(205)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
OD_019_P1-UPFI-KO-163-C3_U-I-II-R_D08(203)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG
Consensus(231)	CCAGCCATGACACAGGAAACACCGGTCCTGGATCAGGGGCTGCCACT									GGAGCTGTCCAGTTGATGTCTTCAG

FIGURE 7A

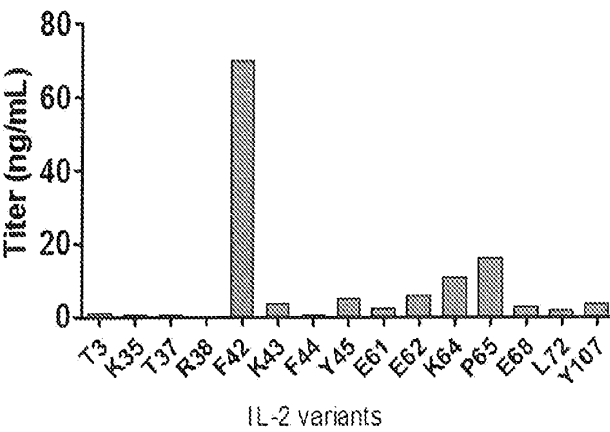


FIGURE 7B

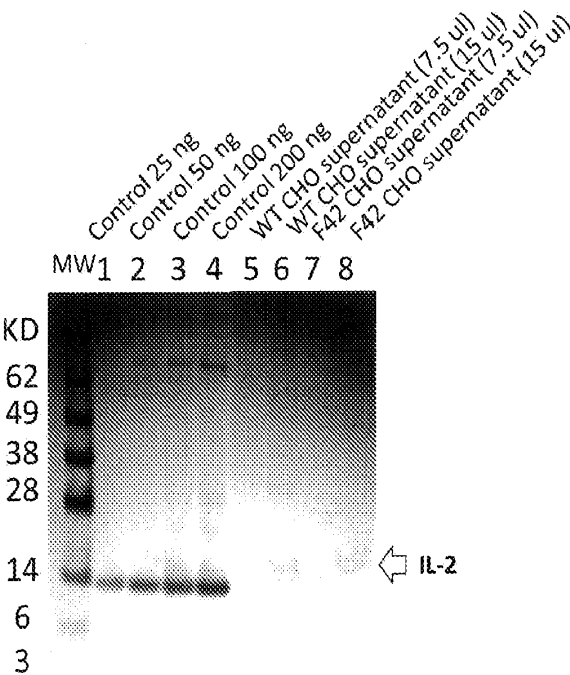


FIGURE 8

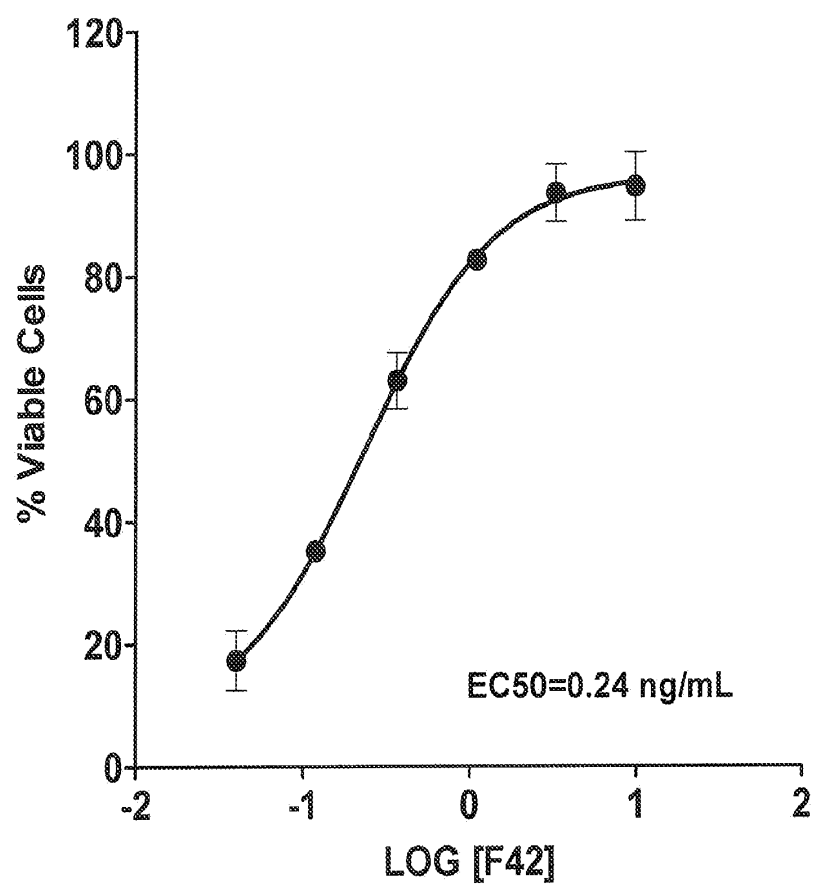


FIGURE 9

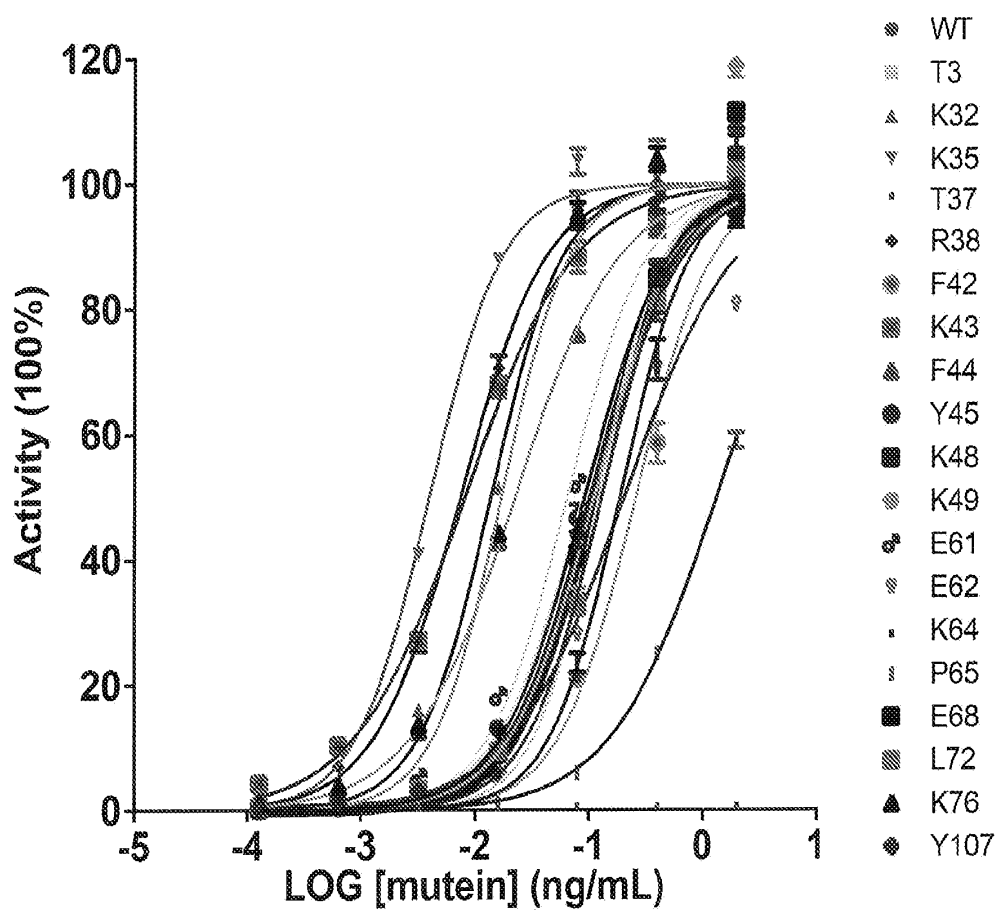


FIGURE 10A

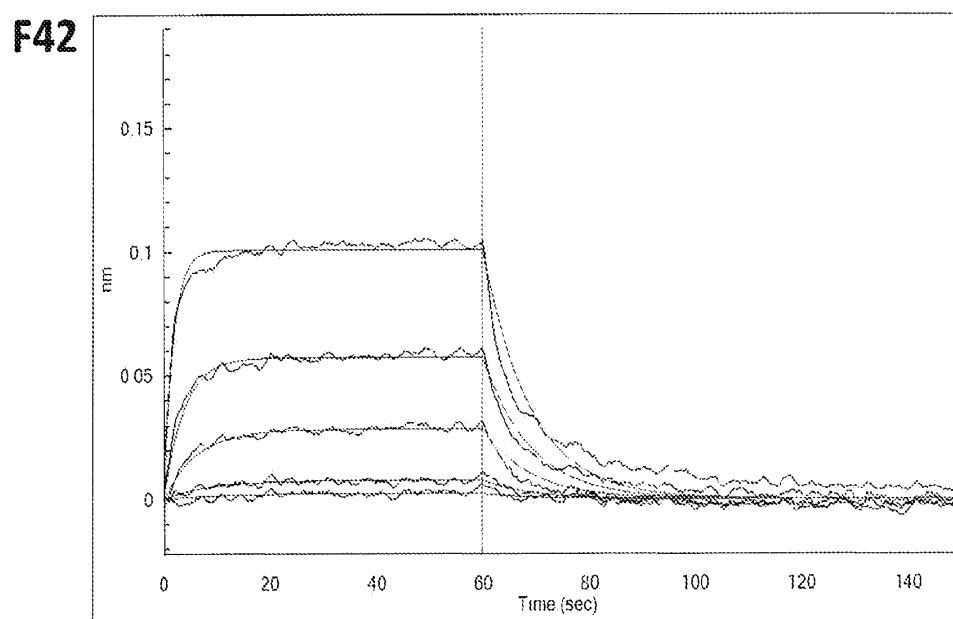
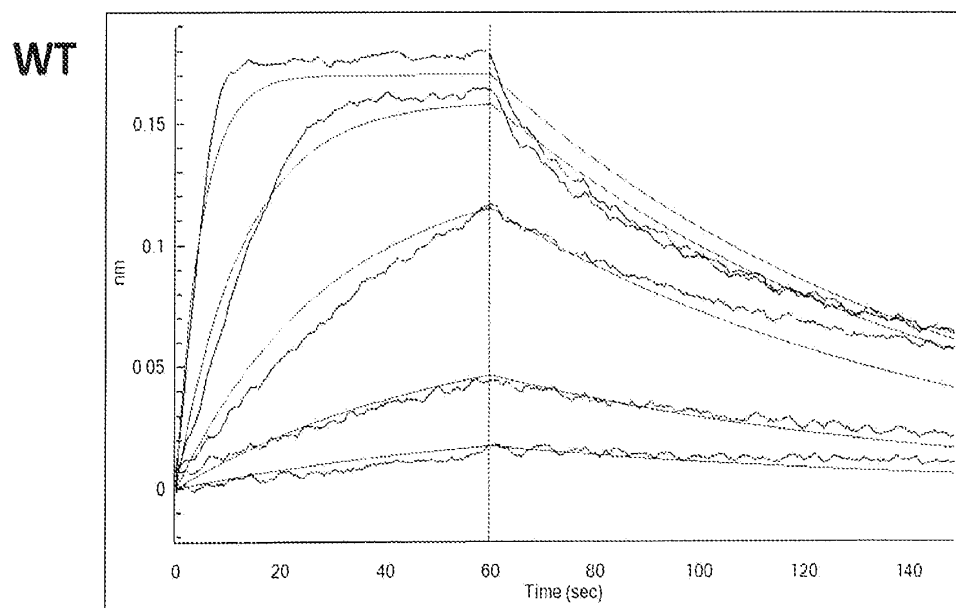


FIGURE 10B

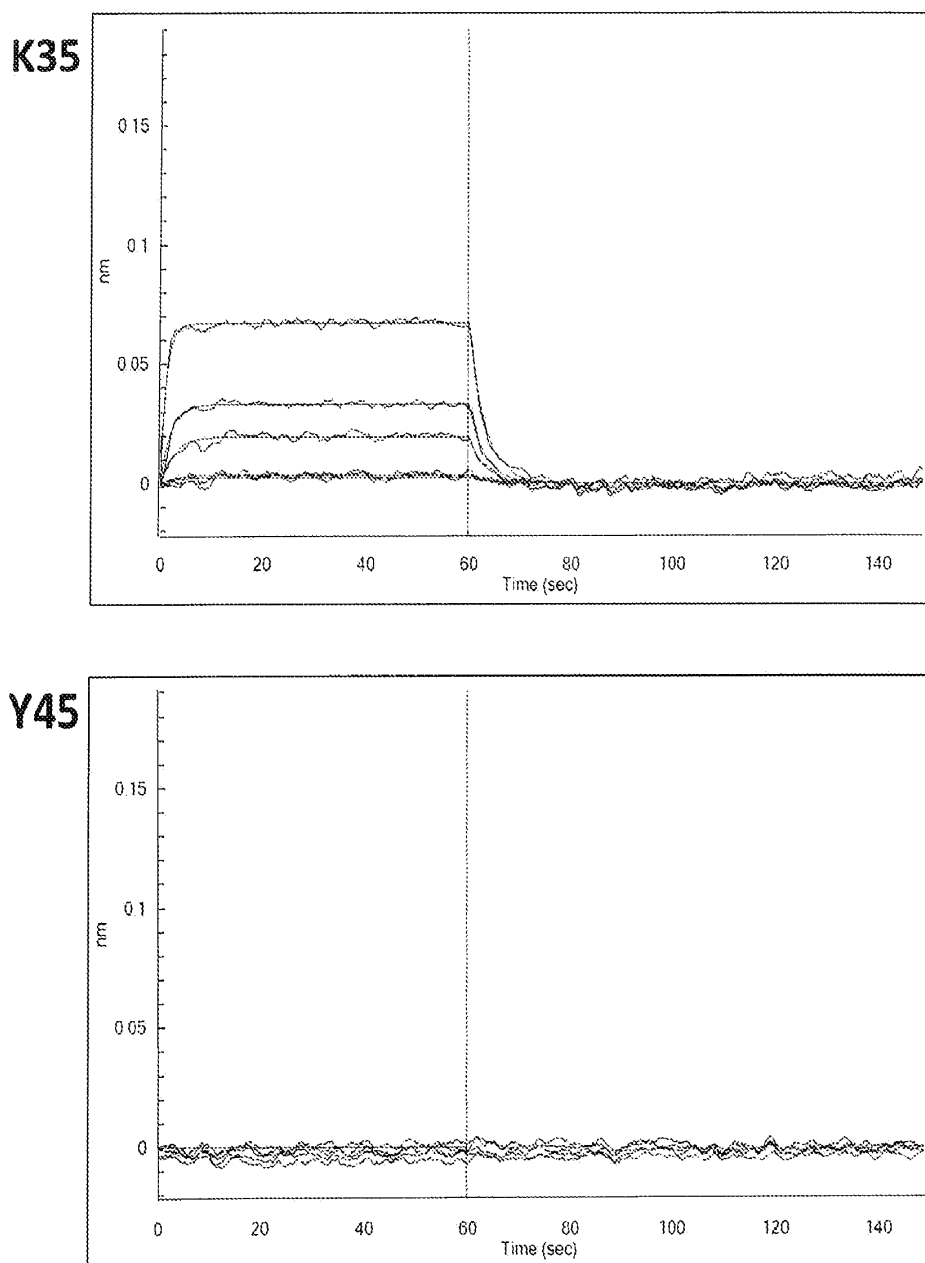
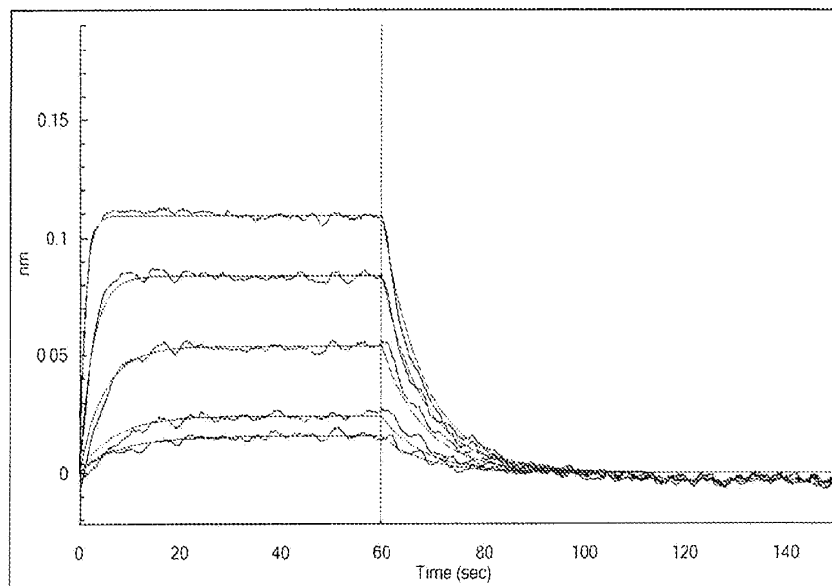


FIGURE 10C

T37



P65

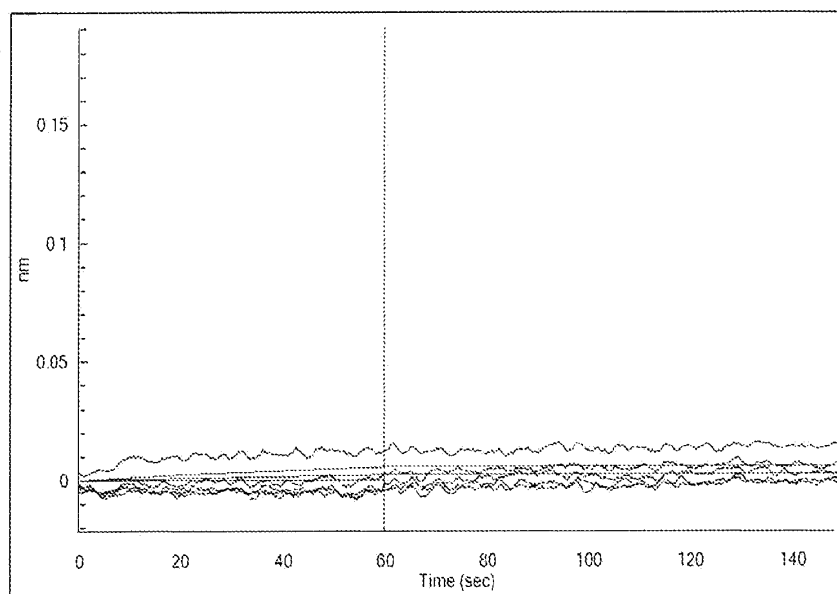


FIGURE 11

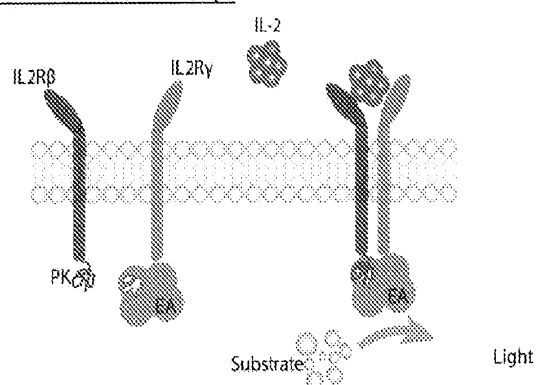
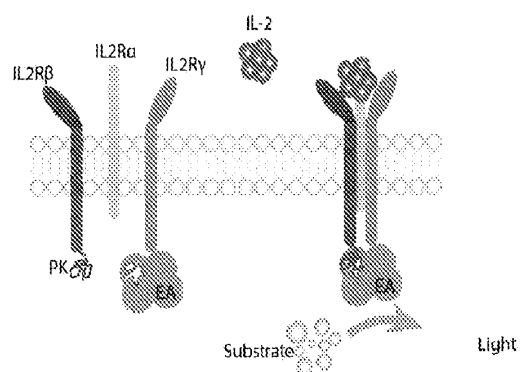
PathHunter Dimerization Assay $\beta\gamma$ Activity Assay $\alpha\beta\gamma$ Activity Assay

FIGURE 12

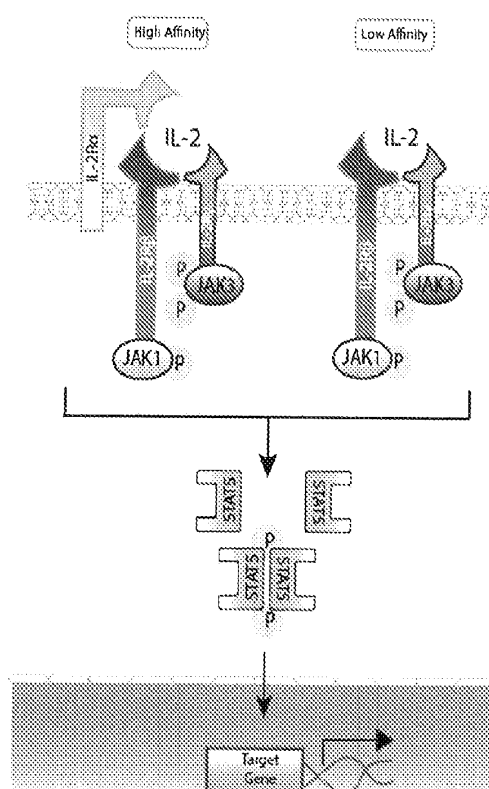


FIGURE 13

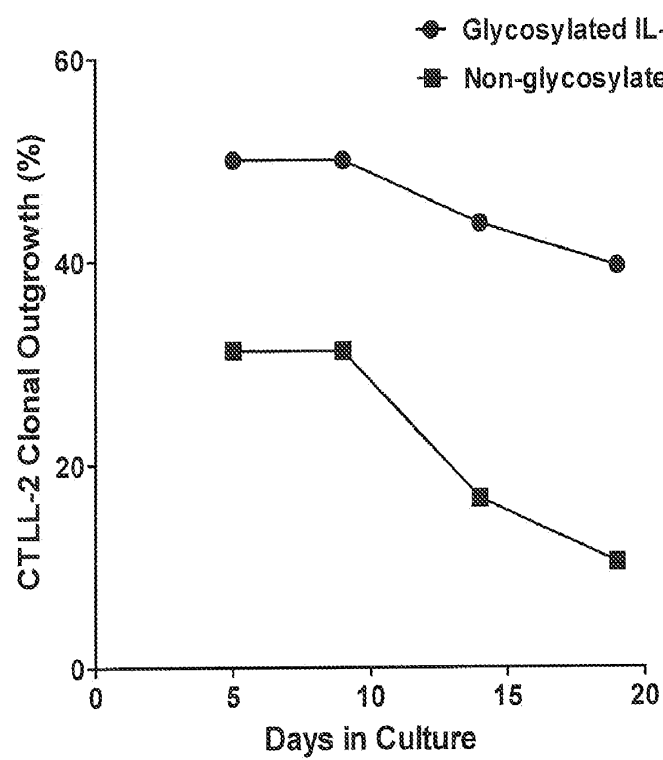


FIGURE 14

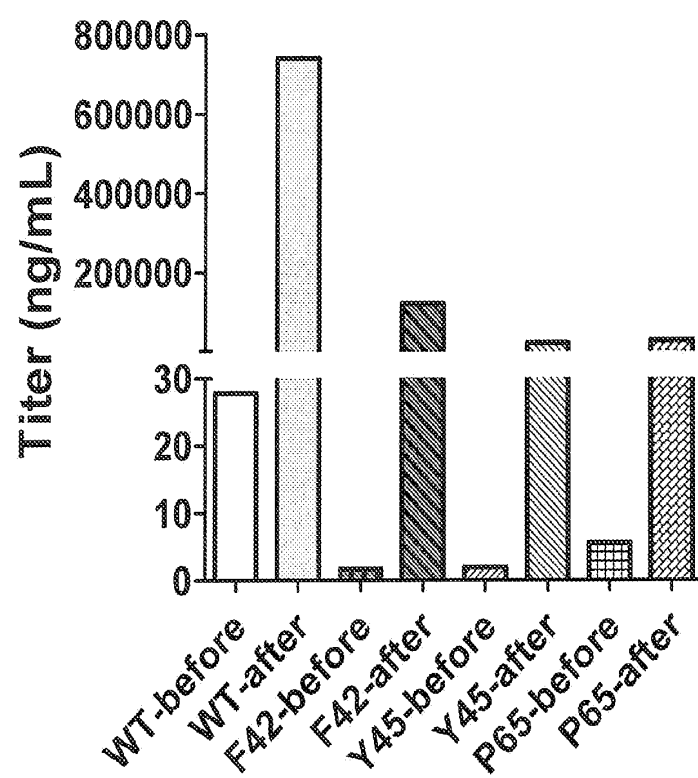


FIGURE 15A

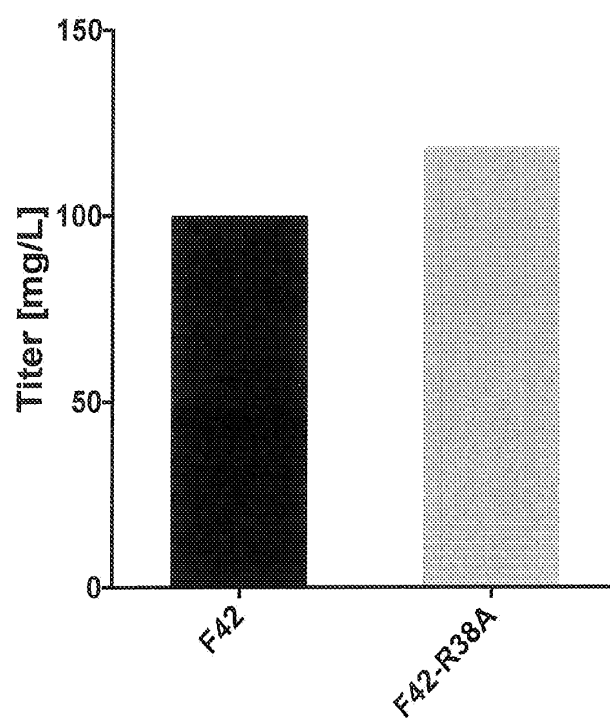


FIGURE 15B

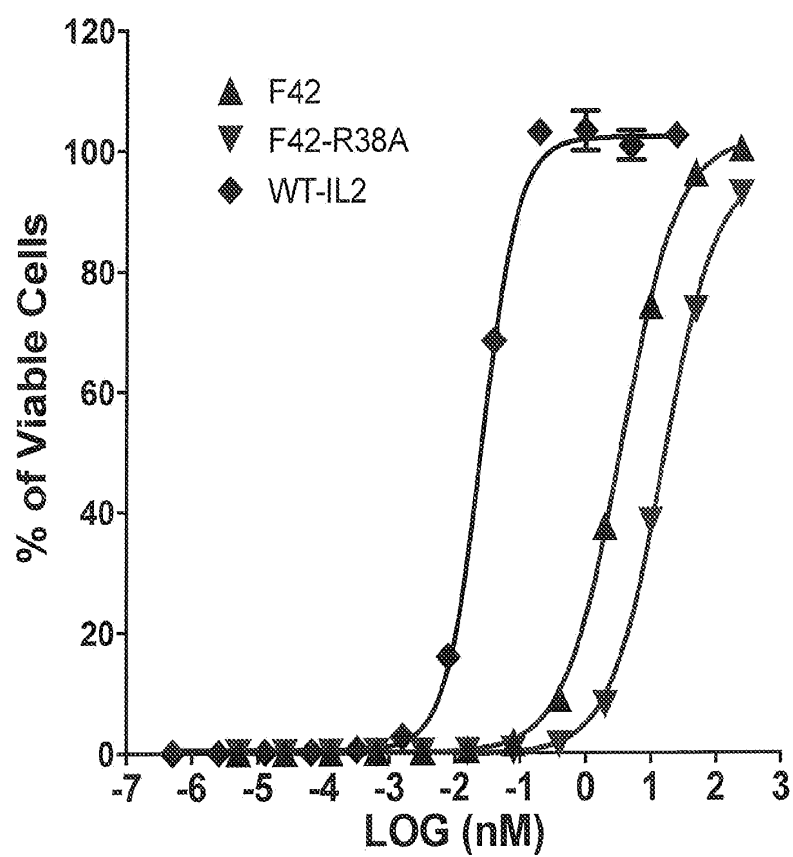


FIGURE 15C

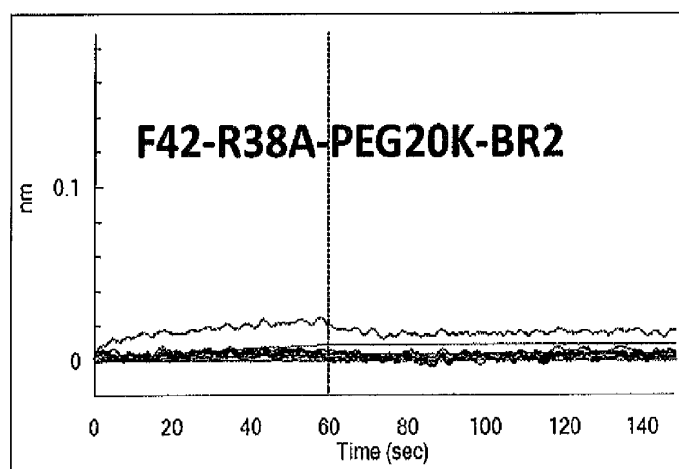
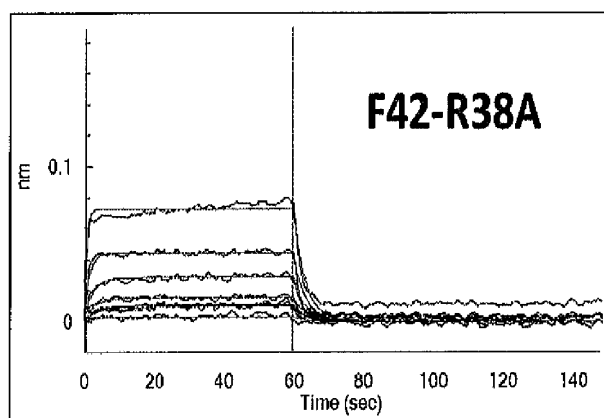
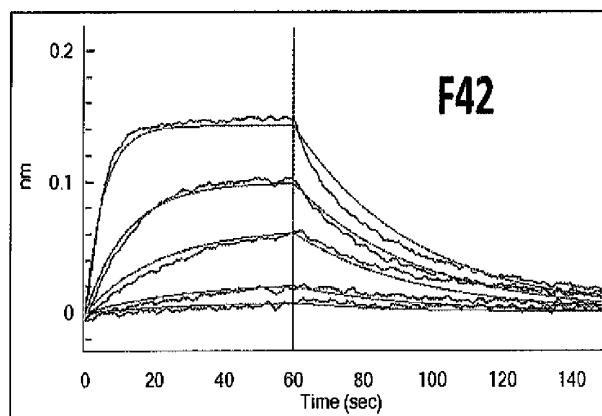


FIGURE 16

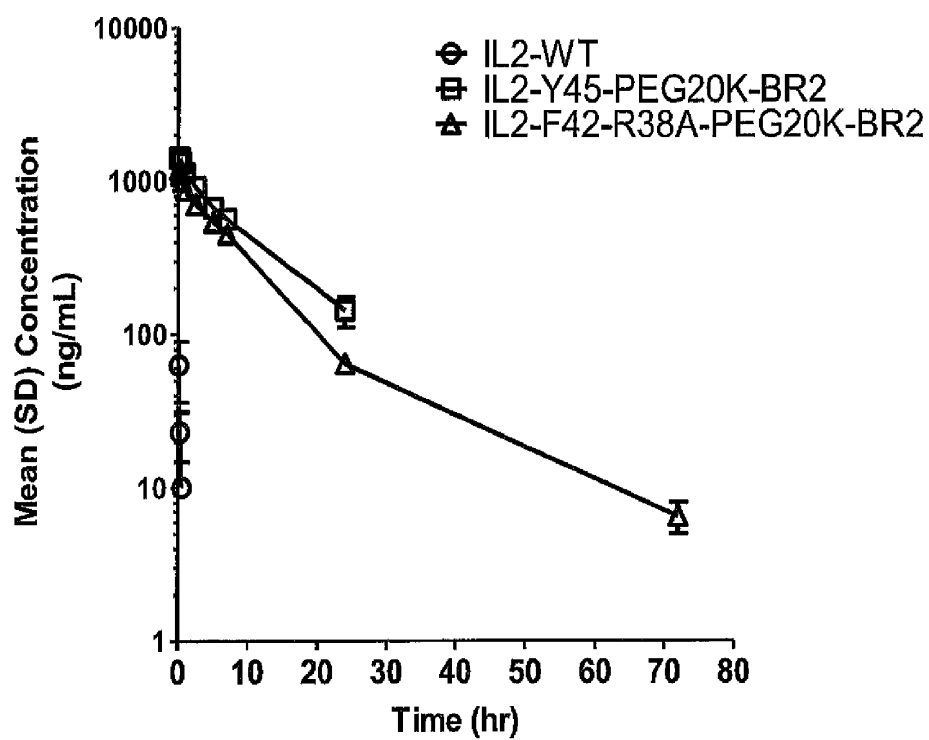


FIGURE 17A

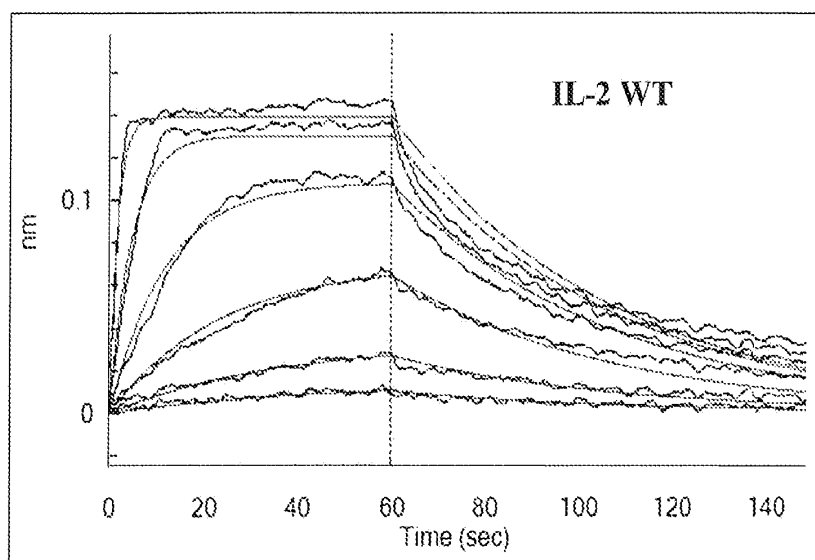


FIGURE 17B

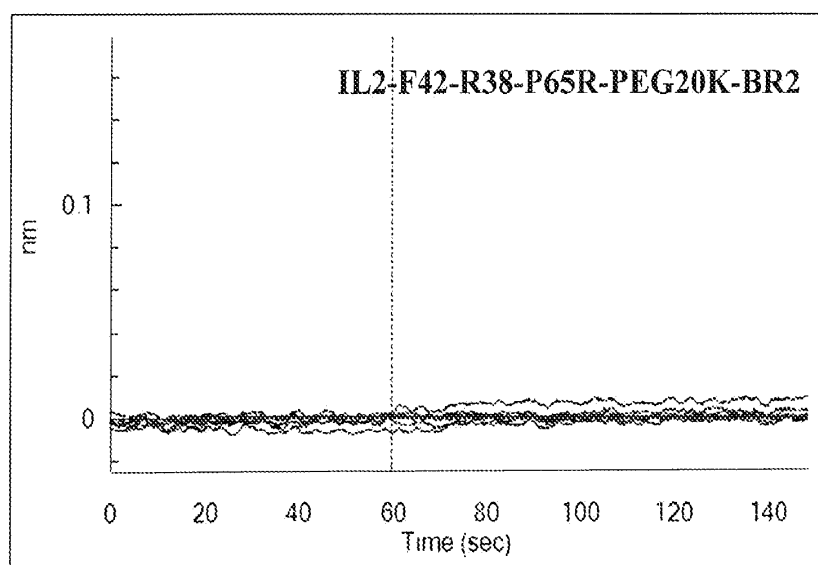


FIGURE 17C

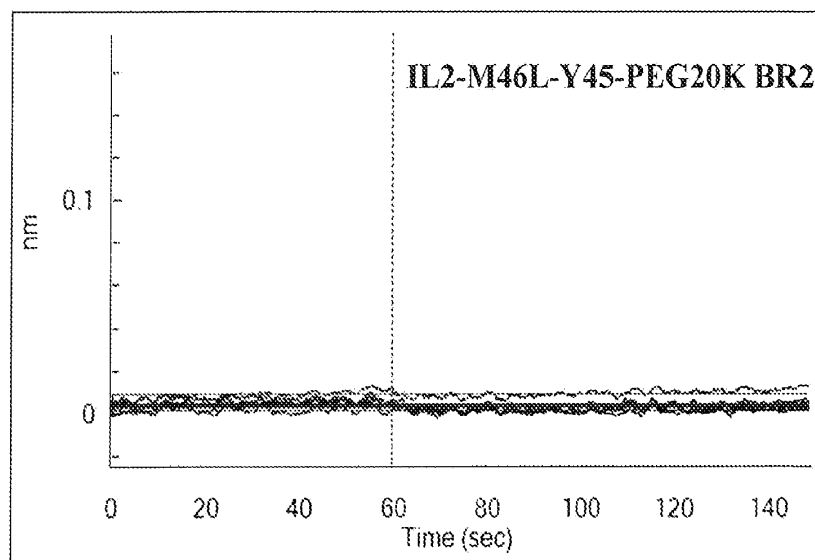


FIGURE 17D

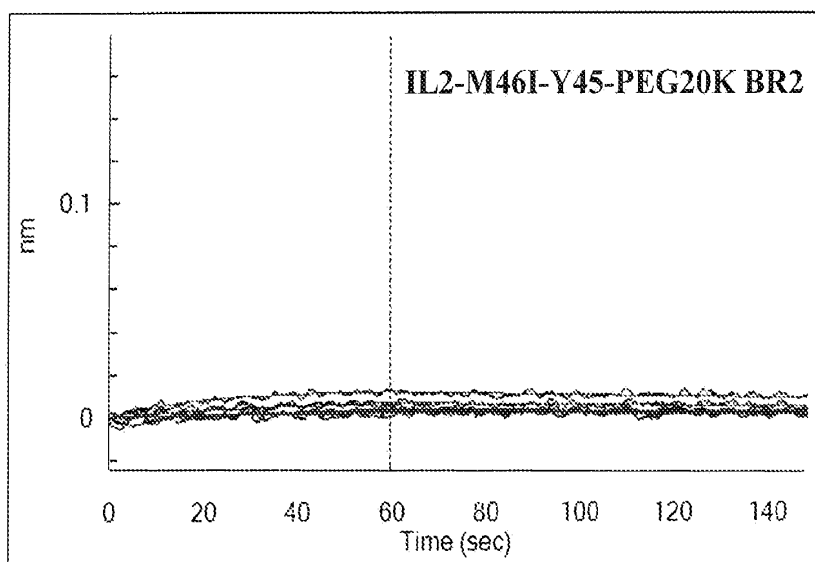


FIGURE 18

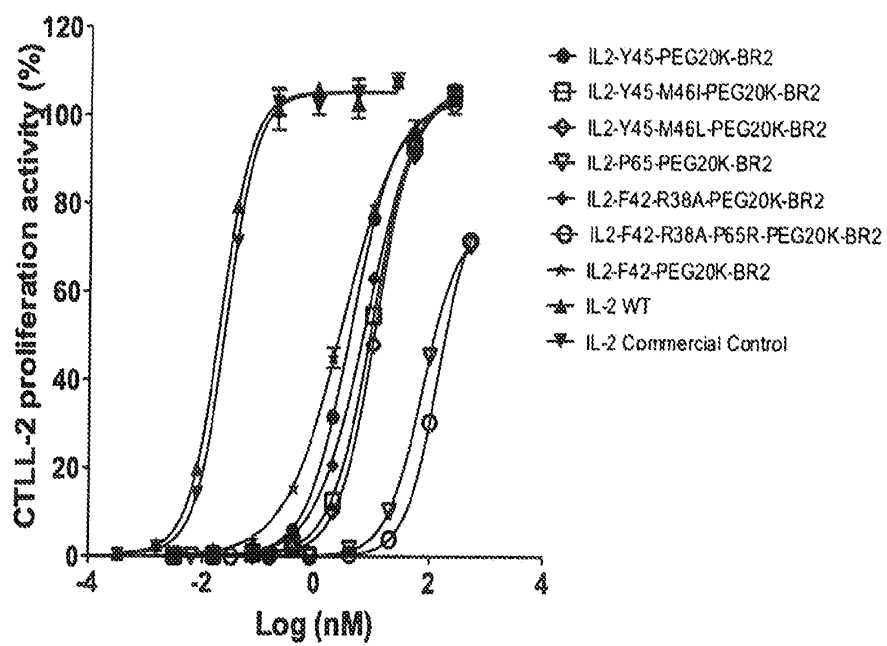


FIGURE 19

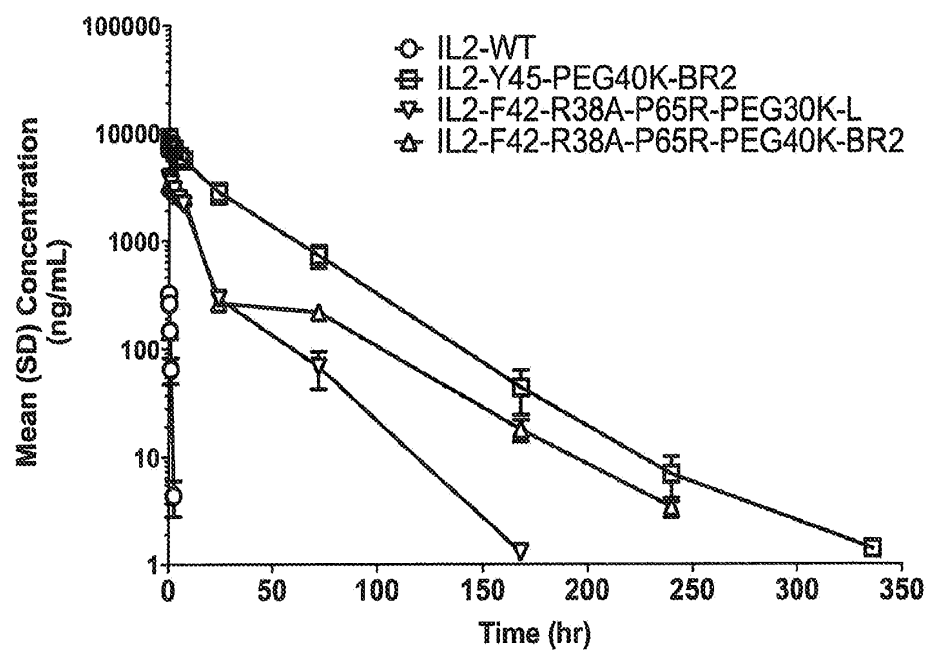


FIGURE 20A

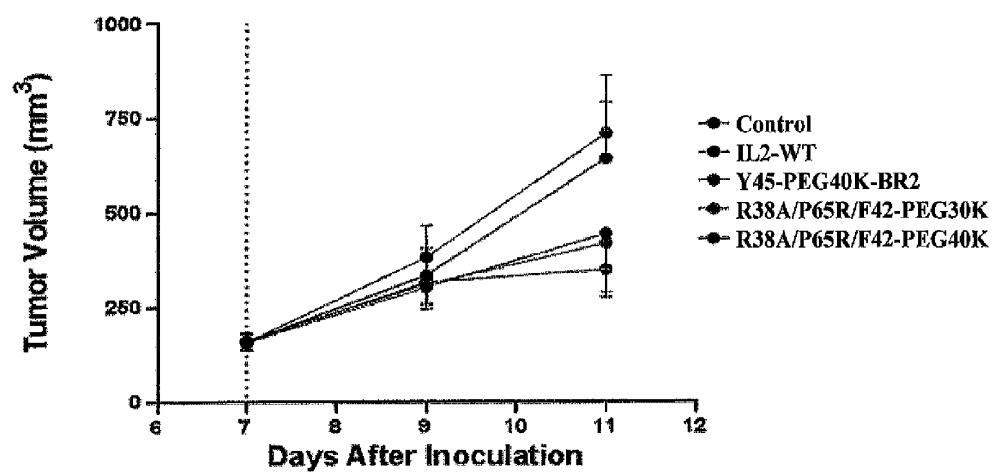


FIGURE 20B

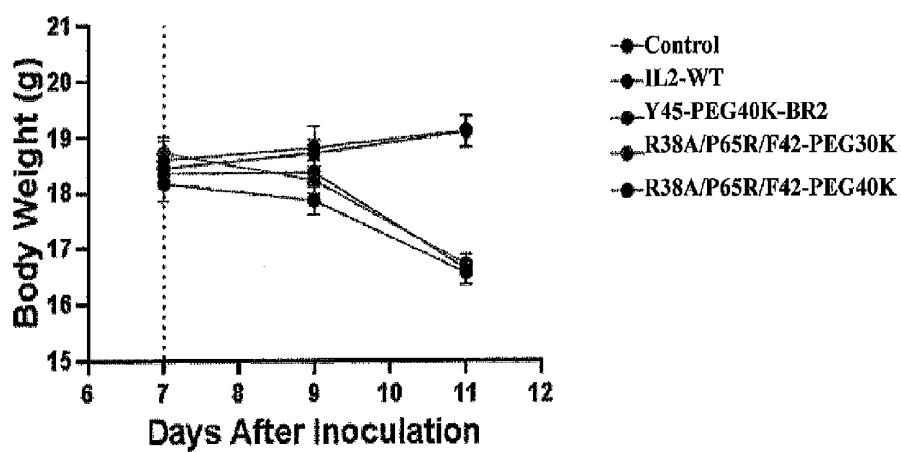


FIGURE 21A

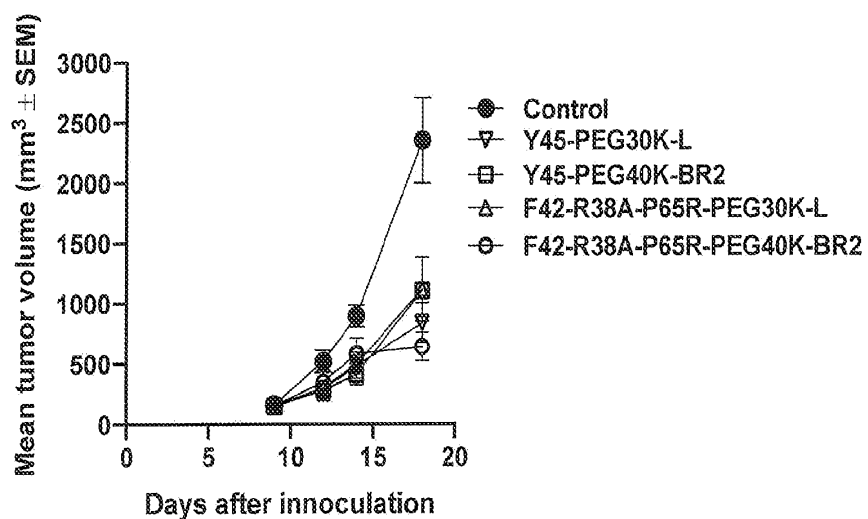


FIGURE 21B

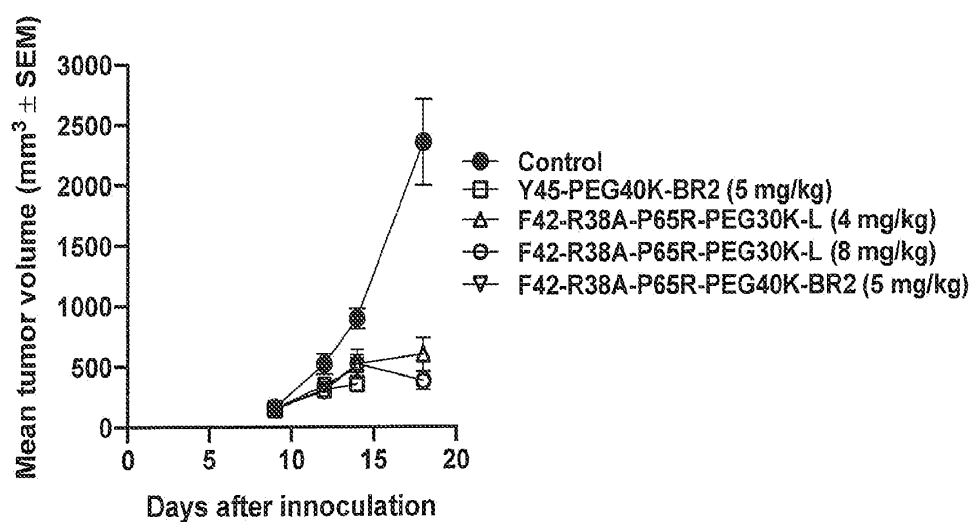


FIGURE 22

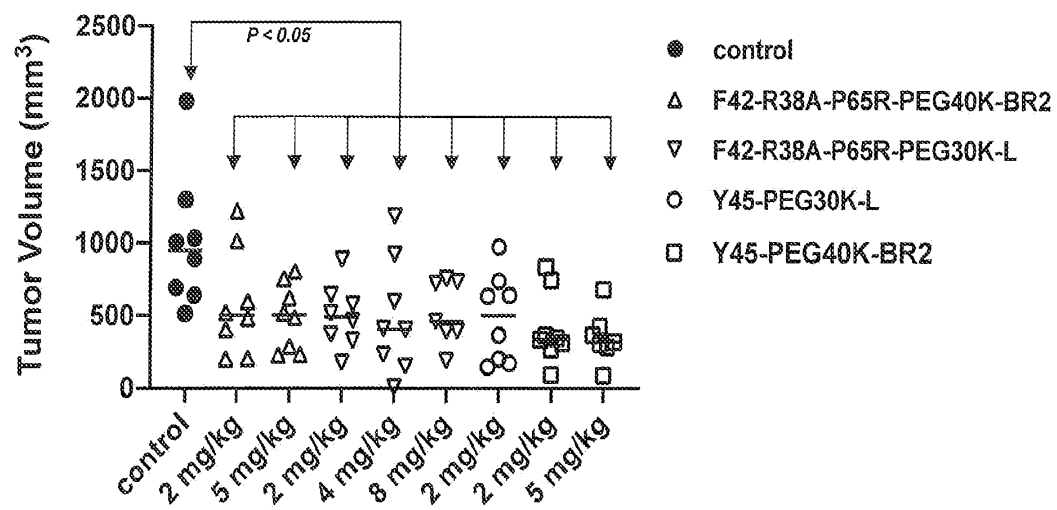


FIGURE 23A

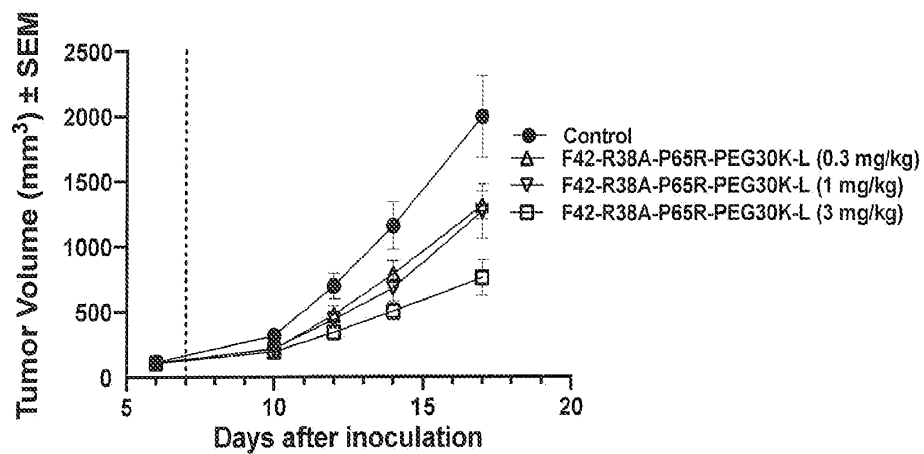


FIGURE 23B

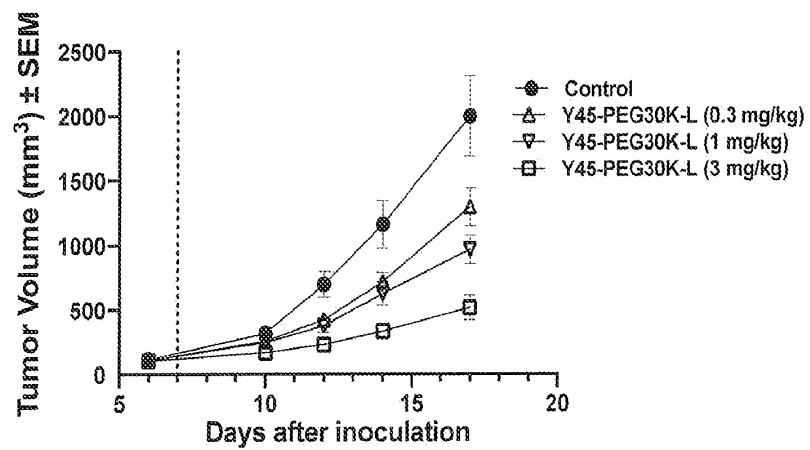


FIGURE 23C

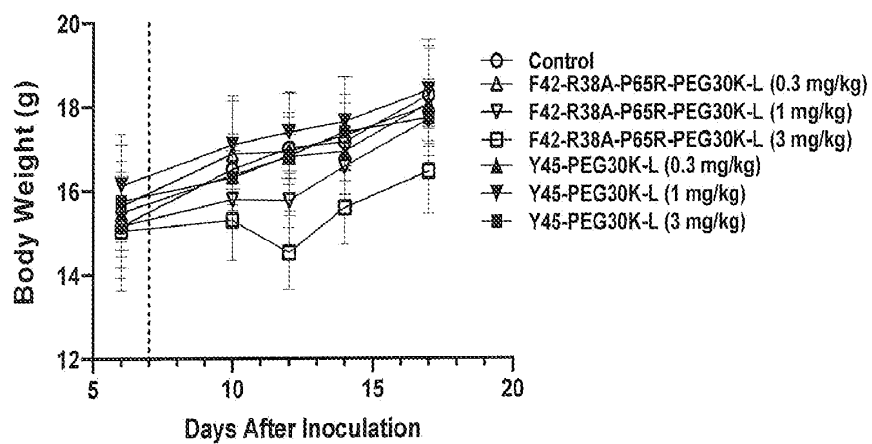


FIGURE 24

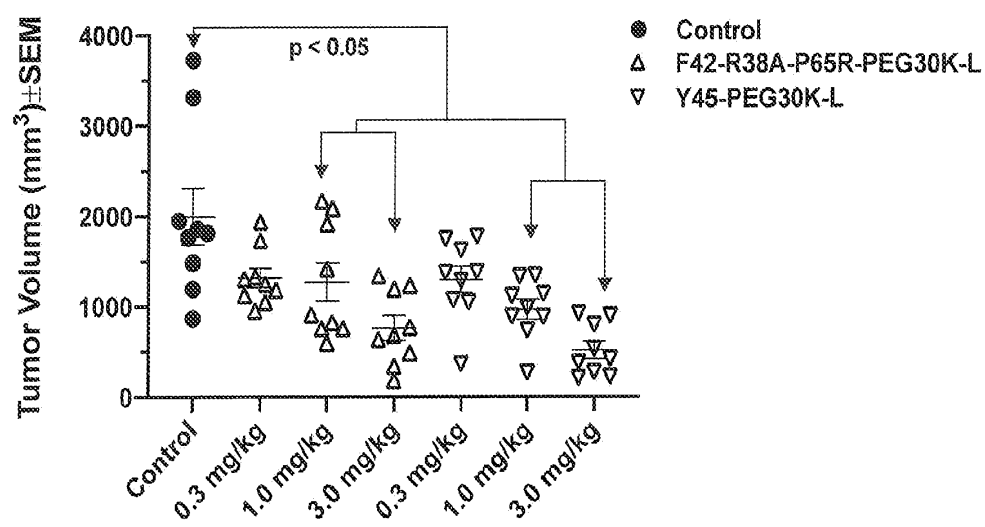


FIGURE 25A

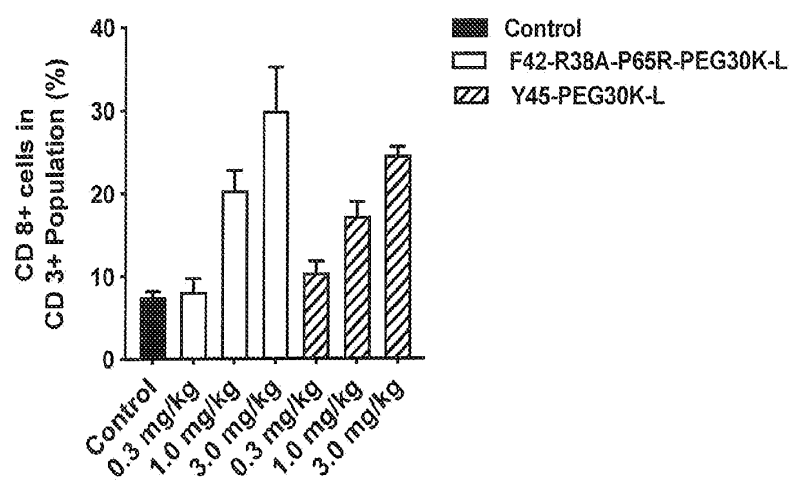


FIGURE 25B

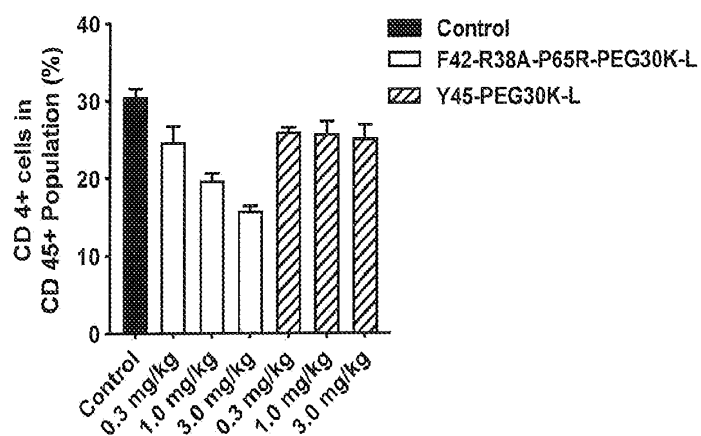


FIGURE 25C

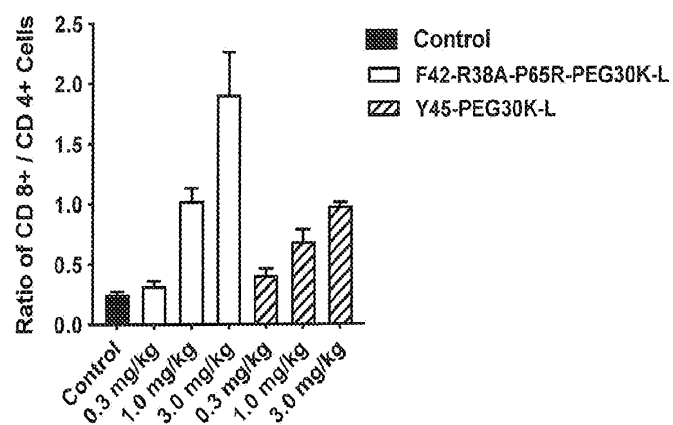


FIGURE 26

