

FIG. 1A

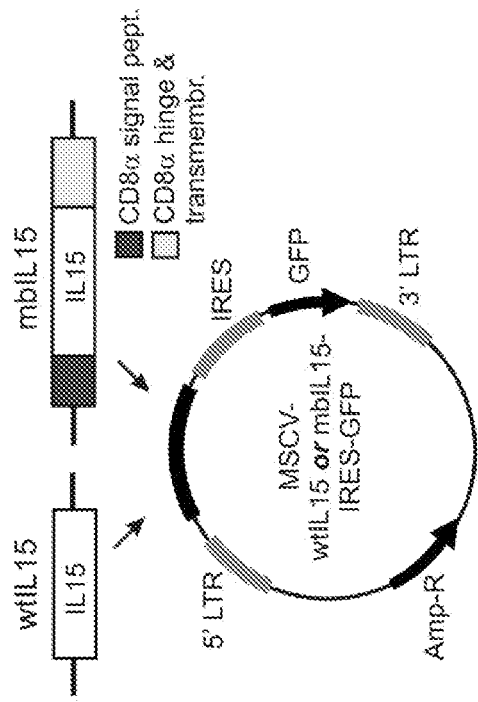


FIG. 1C

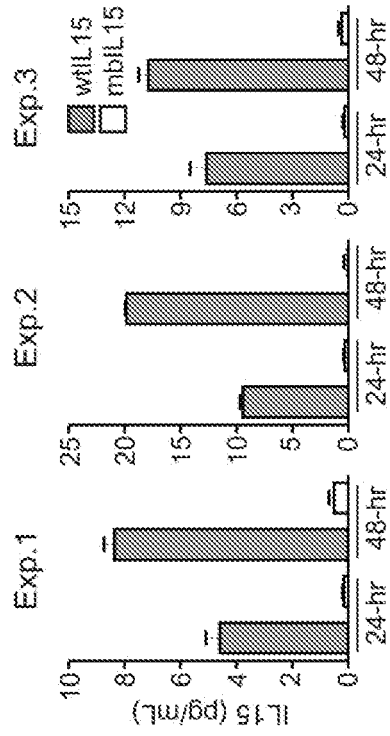


FIG. 1B

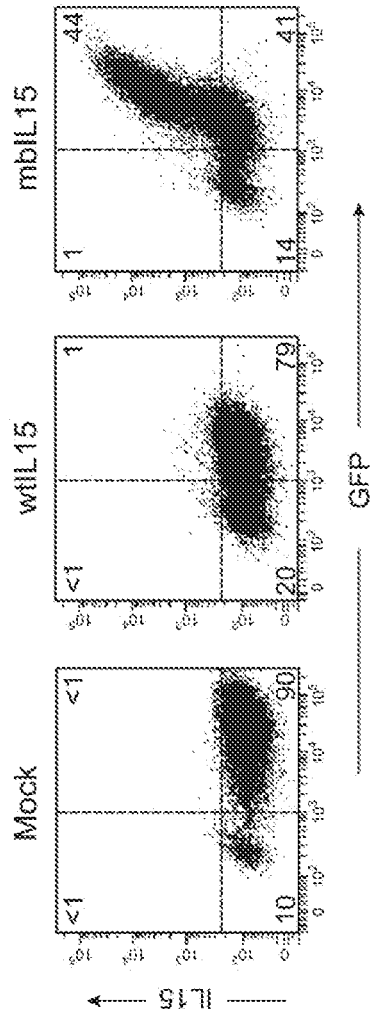


FIG. 2B

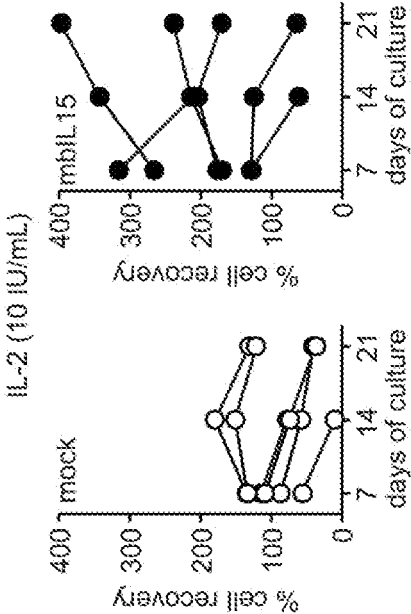


FIG. 2A

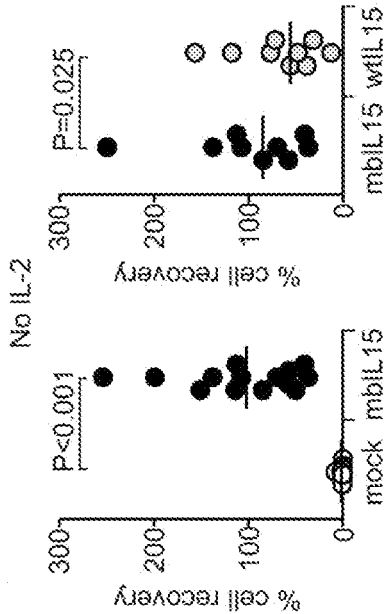


FIG. 2C

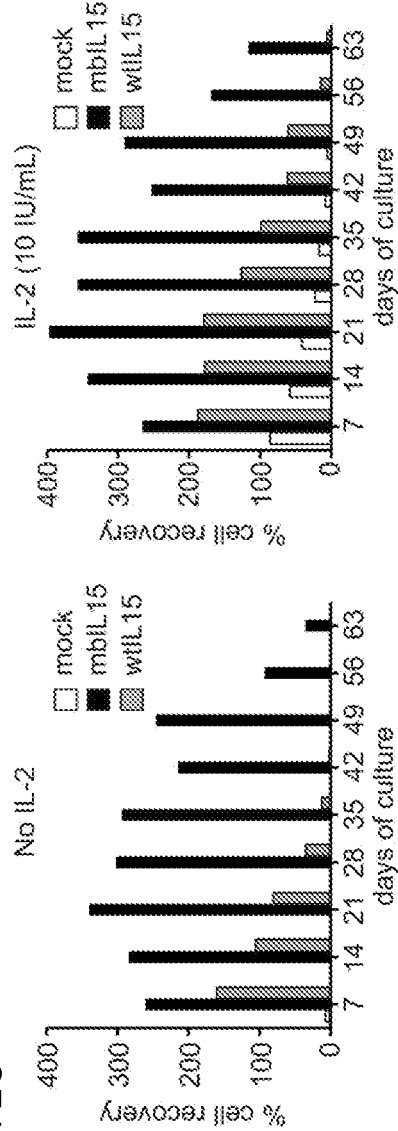


FIG. 3B

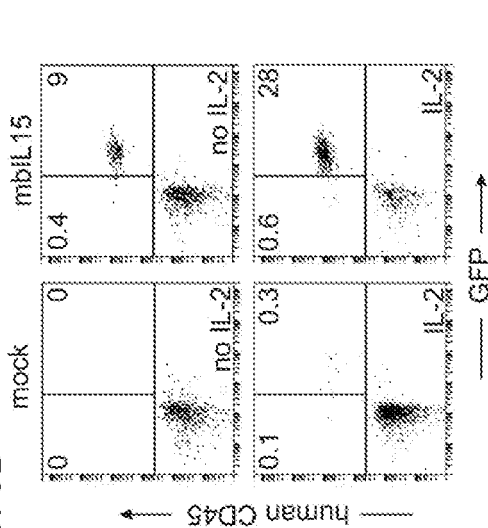


FIG. 3A

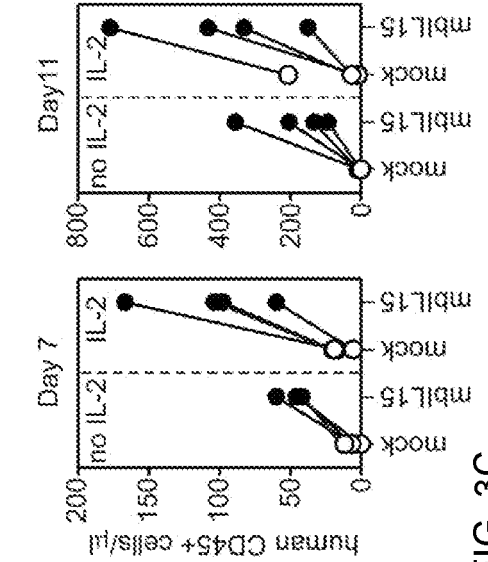


FIG. 3C

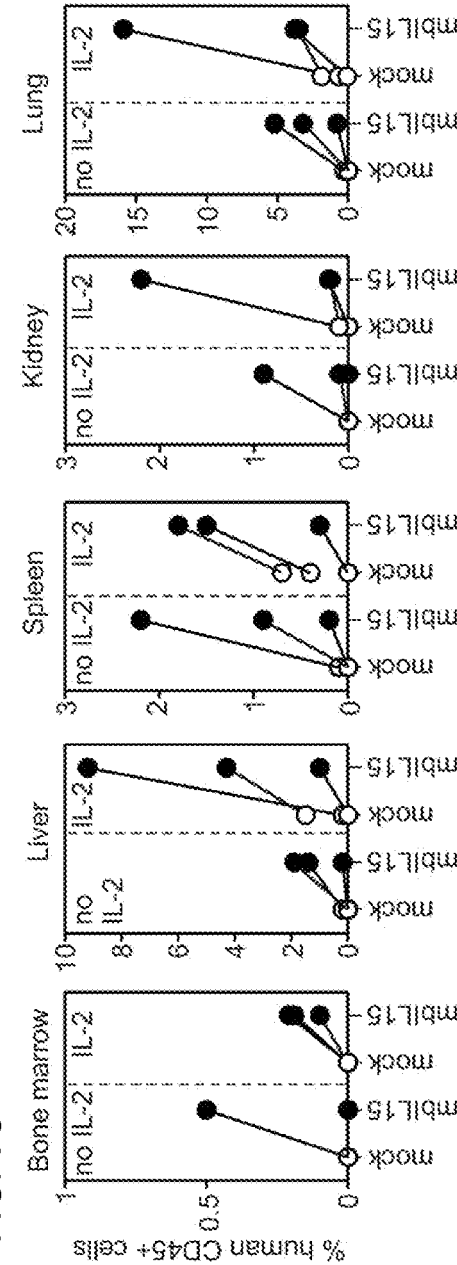


FIG. 4A

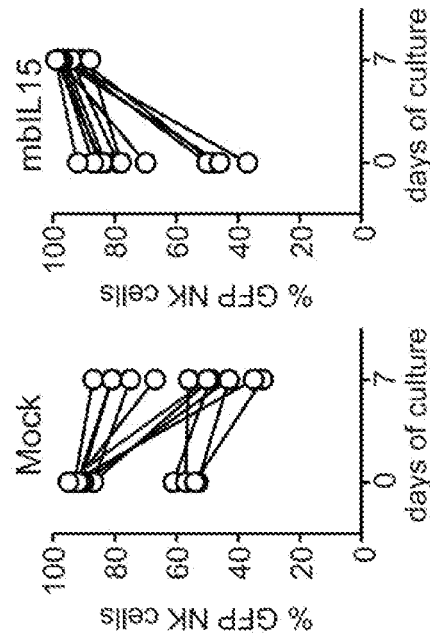


FIG. 4B

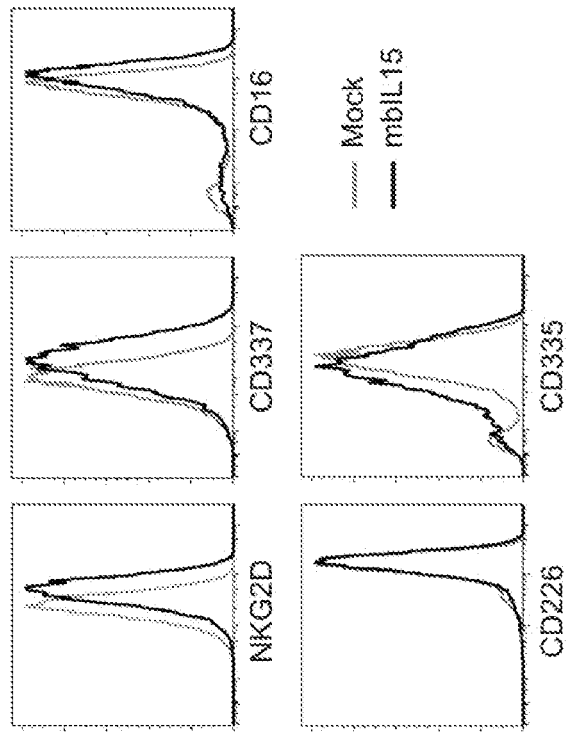


FIG. 4C

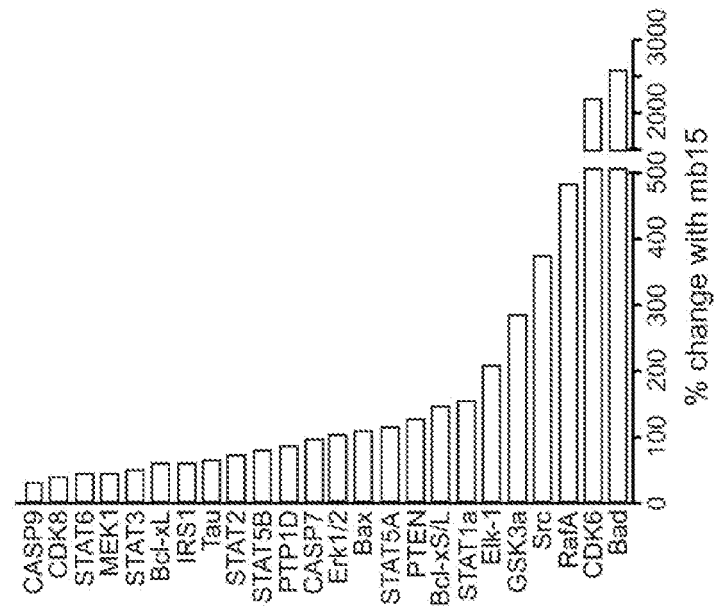


FIG. 5B

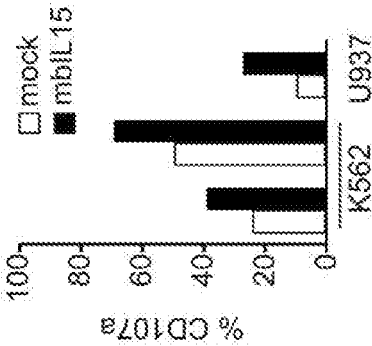


FIG. 5A

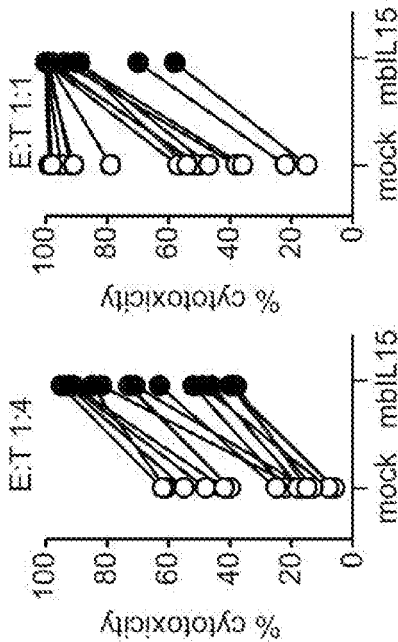


FIG. 5D

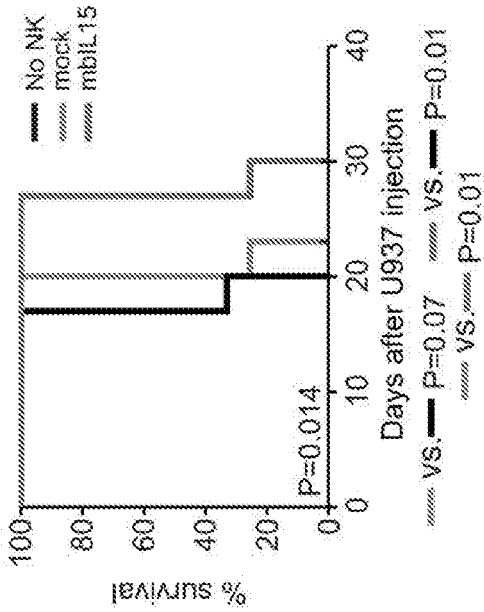
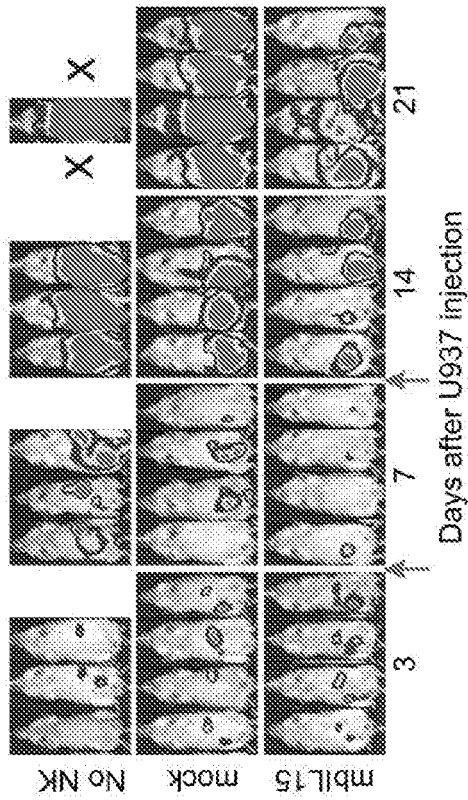


FIG. 5C



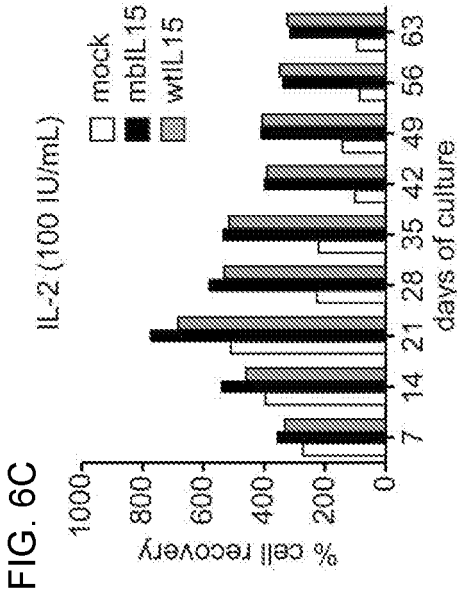
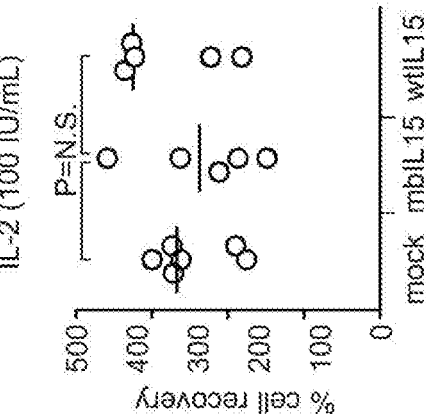
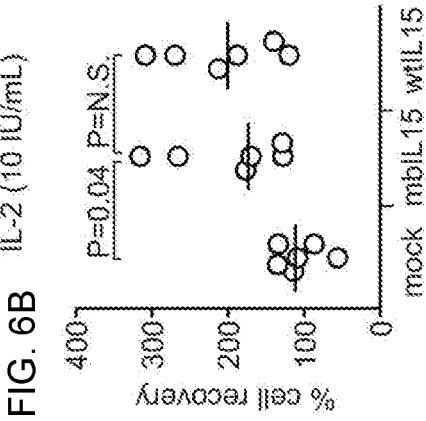
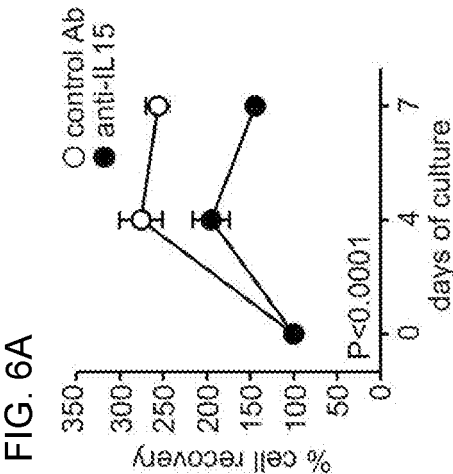


FIG. 7A

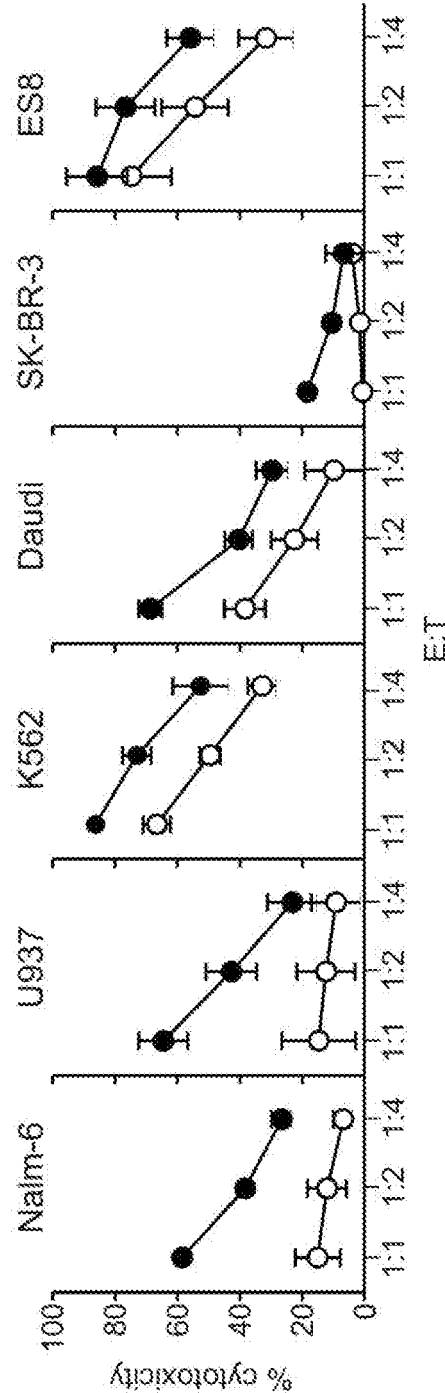
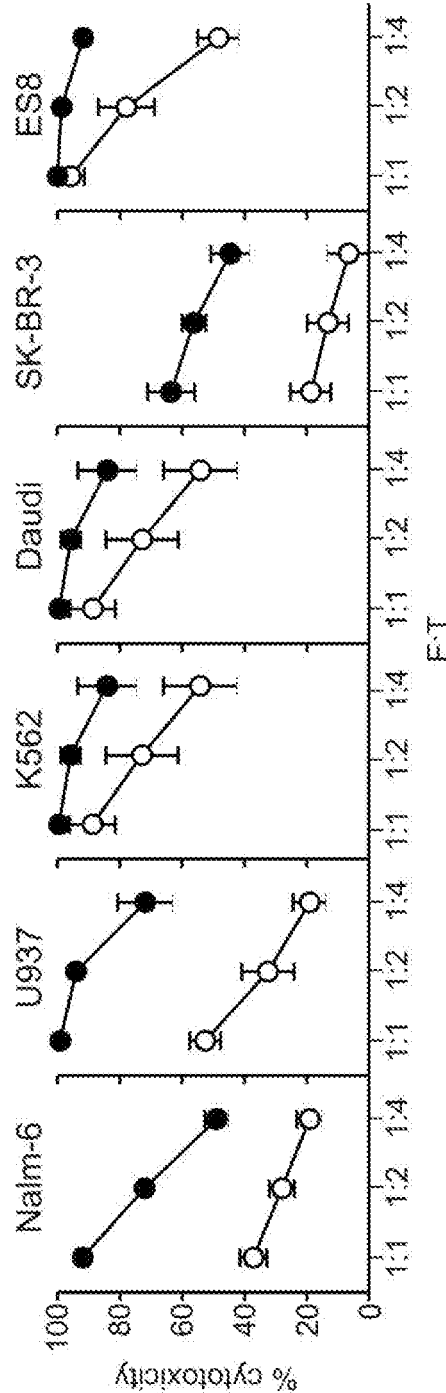
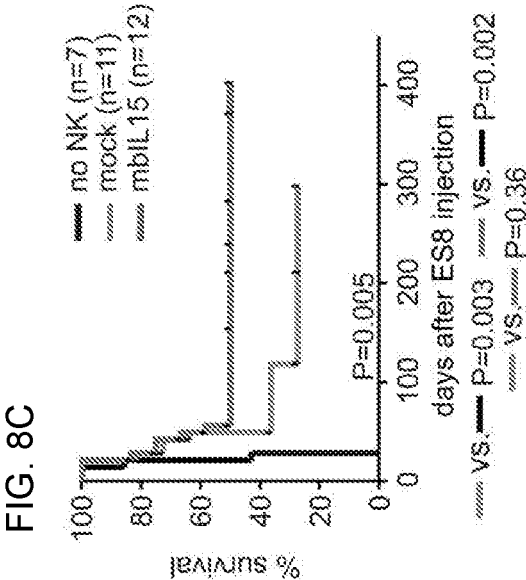
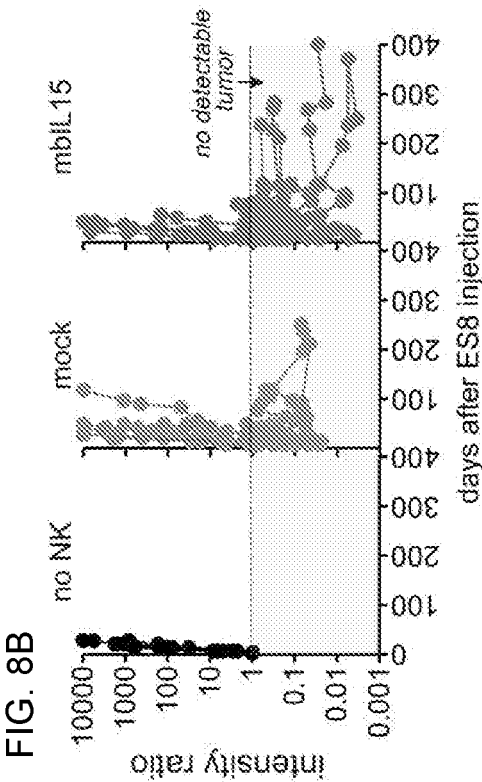
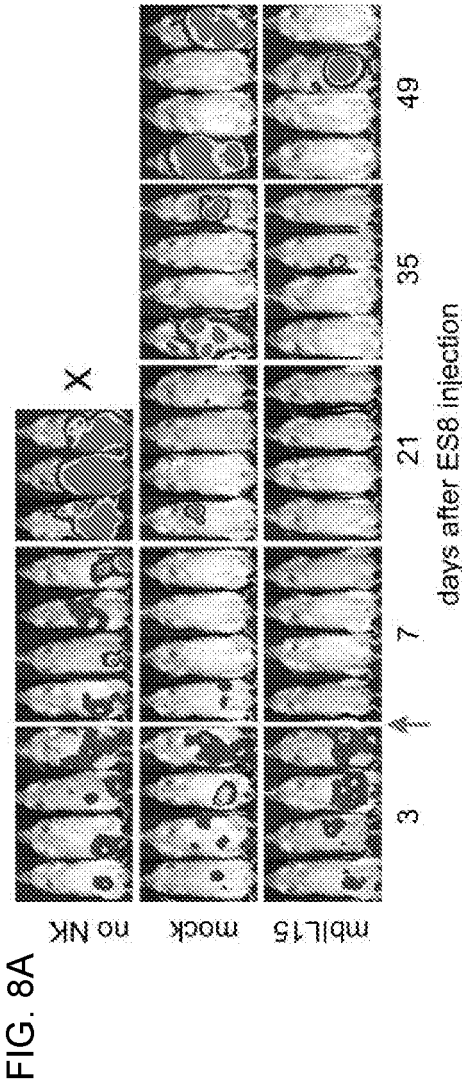


FIG. 7B





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FIG. 9

Sequence of membrane bound IL15

NucleotideEcoRI-Kozak-CD8aSP-IL15-CD8ahingeTM-XhoI (638 bp)

GAATTGCGCCCTTCCACCATGGCCTTACCAAGTGACCGCCTTGCTCCTGCCGCTGGCCTTGCTGCCACGCCGCCAGGC
 CGAACTGGGTGAATGAATAGTGATTTGAAAAAATTGAAGATCTTATTCAATCTATGCATATTGATGCTACTTTATA
 TACGGAAGTGATGTTCAACCCAGTTGCAAGTAACAGCAATGAAGTGCTTTCTCTTGGAGTTACAAGTTATTTCACTT
 GAGTCCGGAGATGCAAGTATTCATGATACAGTAGAAAATCTGATCATCTAGCAAAACACAGTTTGCTTCTAATGGG
 AATGTAACAGAACTCTGGATGCAAGAAATGTGAGGAAGTGGAGGAAATAATTAAAGAAATTTTGCAGAGTTTGTGA
 CATAATTGTCCAATGTTTCATCAACACTTCTACCAAGACGCCAGCGCCGACCAACACCGGCCGCCACCATCGCG
 TCGCAGCCCTGTCCCTGCGCCAGAGGGGTGCCGCGCAGCGGGGGGCGAGTGCACACGAGGGGCTGGAC
 TTGCGCTGTGATACTACATCTGGCGCCCTTGCGCGGACTTGTGGGTCCTTCTCTGTCACCTGGTTATCACCCCTT
ACTGCTAACTCGAG

Amino AcidCD8aSP-IL15-CD8ahingeTM (204 aa)

MALPVTALLPLALLHAARPNWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLLLELQVISLESGDASIHTVE
 NLIILANNSLSSNGNVTESGCKECEELEEKNIKEFLQSFVHIVQMFINTS TTTTAPRRPPTPAPTIASQPLSLRPEACRPAAAGGA
VHTRGLDFACDIYWAPLAGTCGVLLSLVITLYC

FIG. 10

Homo sapiens interleukin 15 (IL15), transcript variant 3, mRNA

Nucleotide

IL15 Signal Peptide- *Proprotein*— Mature peptide (489 bp)

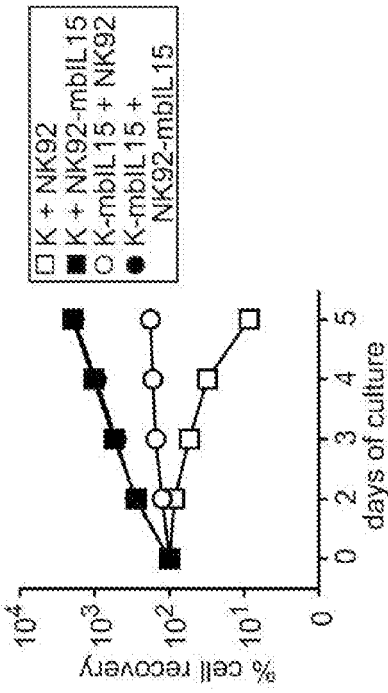
ATGAGAAATTCGAAACACACATTTGAGAAAGTATTTCCATCCAGTGCTACTTGTGTTTACTTCTAAACAGTCATTTTCTAAAGCTG
GCAATTCATGTCCTTCAATTTGGGCTGTTTCAGTGCGAGGGCTTCCTAAACAGAAAGCCCAACTGGGTGAATGTAATAAGTGATTTGAAA
AAAATTGAAGATCTTATTCAATCTATGCATATTGATGCTACTTTATATACGGAAAGTGATGTTACCCAGTTGCCAAAGTAACAGCAAT
GAAGTGCTTCTCTGGAGTTACAAAGTTATTTCACTTGAGTCCGGAGATGCAAGTATTCATGATACAGTAGAAAATCTGATCATCCTA
GCAACAACAGTTTGCTCTTAATGGGAATGTAAACAGAAATCTGGATGCAAGAAATGTGAGGAAGTGGAGGAAAAAATATTAAAGAA
TTTTTGCAGAGTTTGTACATATTGTCCAAATGTTTCATCAACACTTCTTGA

Amino Acid

IL15 Signal Peptide- *Proprotein*— Mature peptide (162 aa)

MRISKPHLRSISIQCYLCLLLNSHFLTEA**GIHVFILGCF**SAGLP**PKTEAN**WVNVISDLKKIEDLIQSMHIDATLYTESDVHPCKVTAMK
CFLLELQVISLESGDASIHDTVENLILANNLSNNGNVTESGCKECEEELEEKNIKEFLQSFVHIVQMFINTS

FIG. 11B



IL-2 100 IU/mL

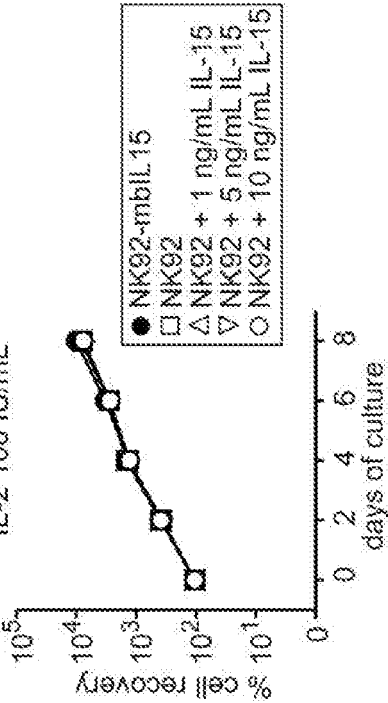
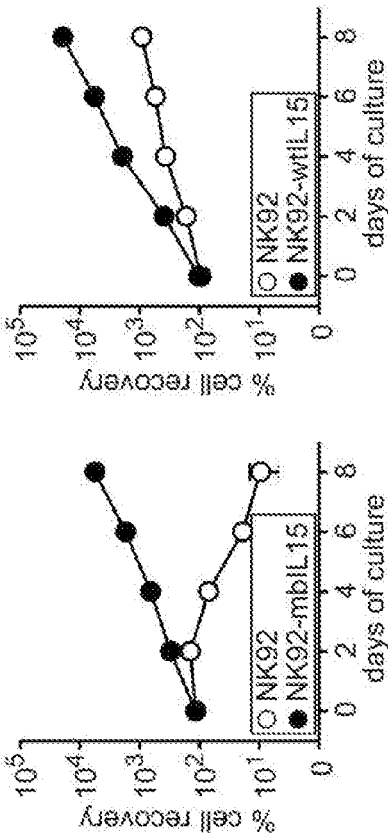
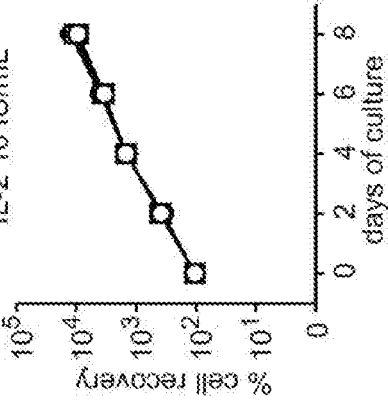


FIG. 11A



IL-2 10 IU/mL



no IL-2

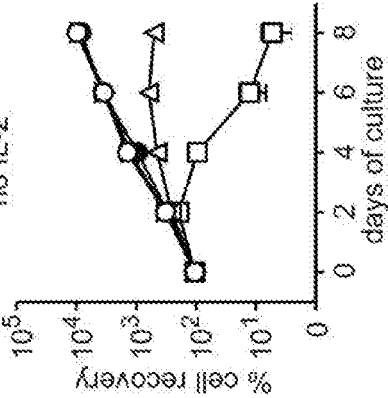
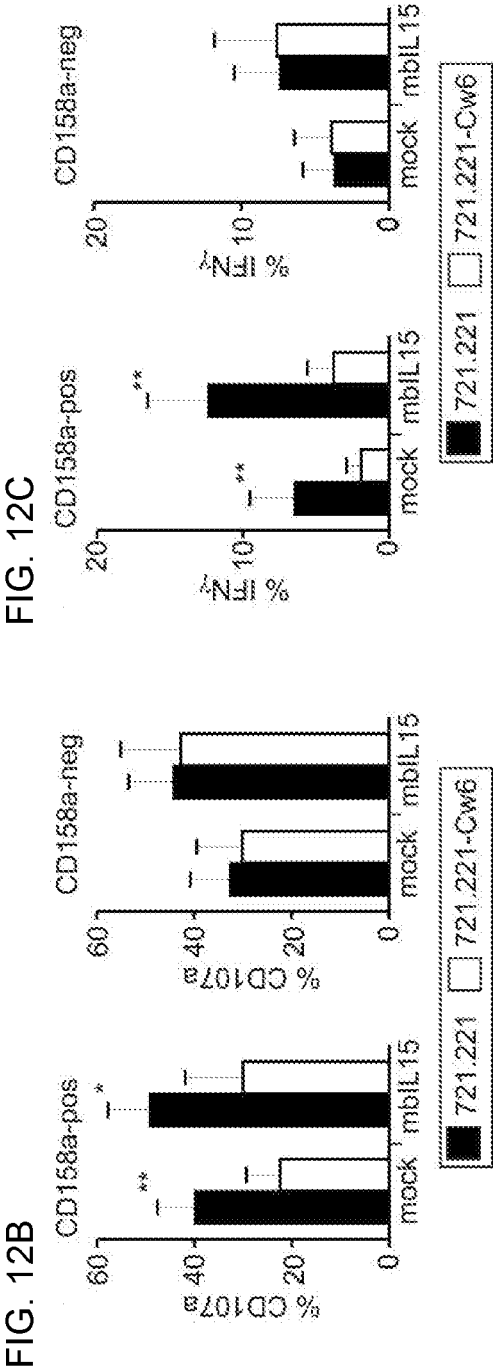
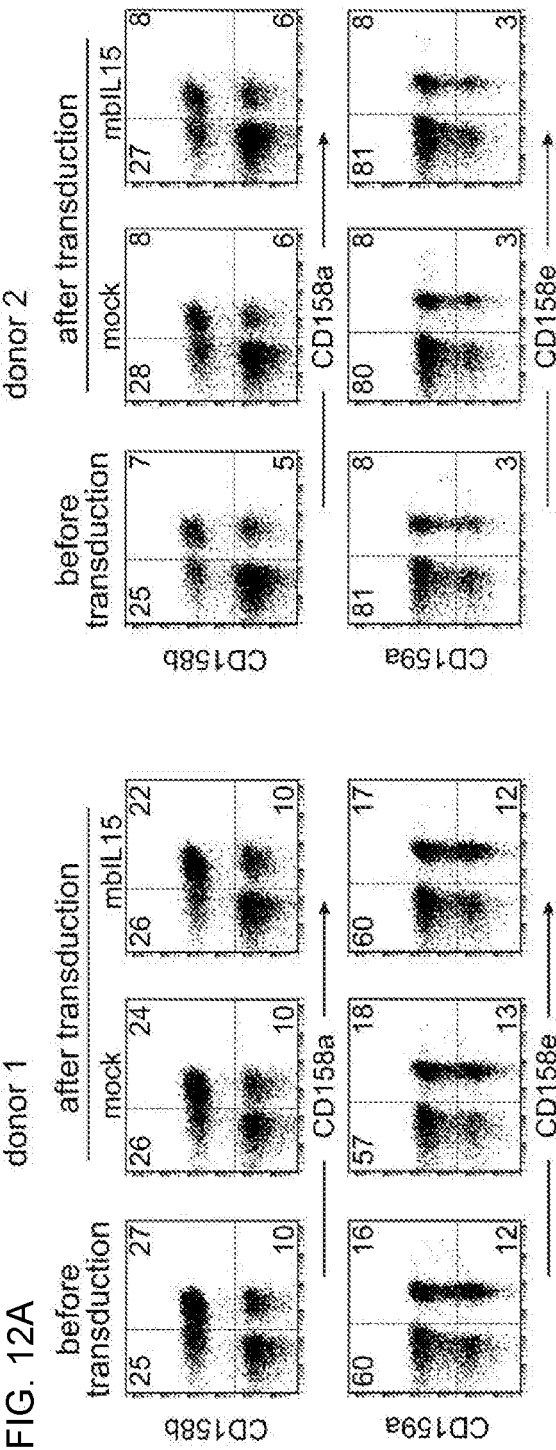


FIG. 11C



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FIG. 13A

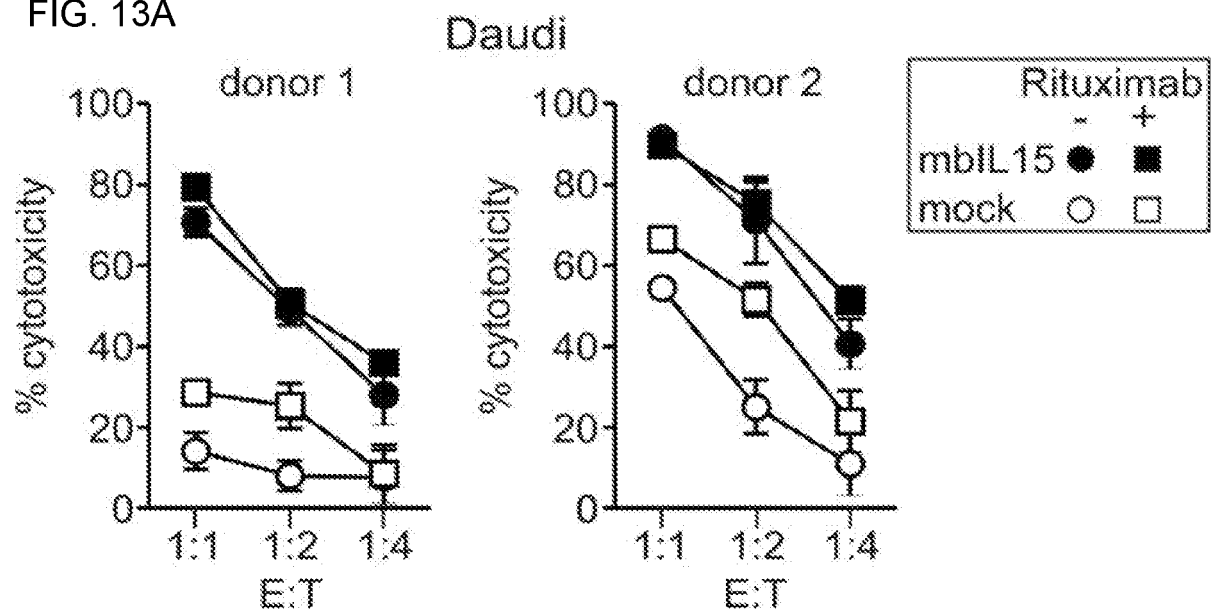


FIG. 13B

