

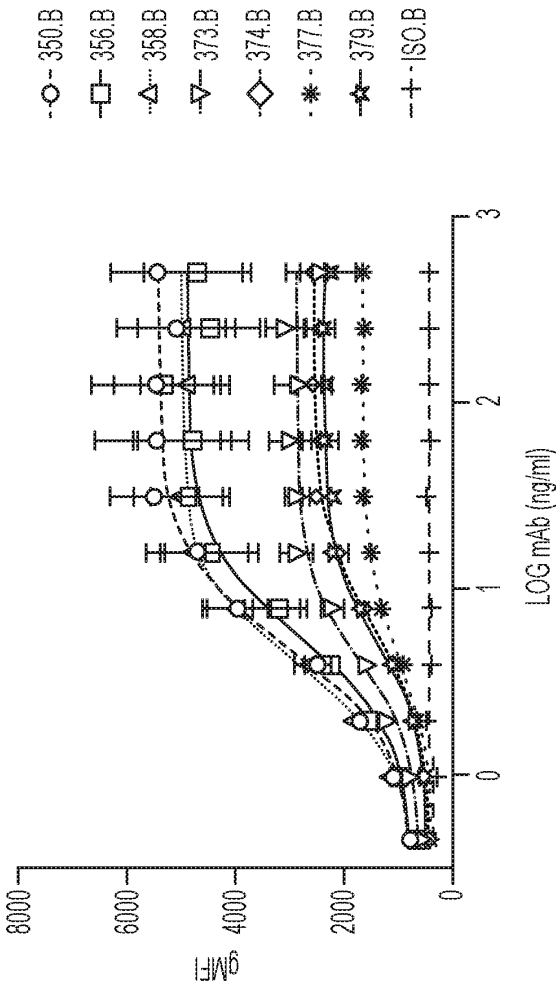


FIG.1

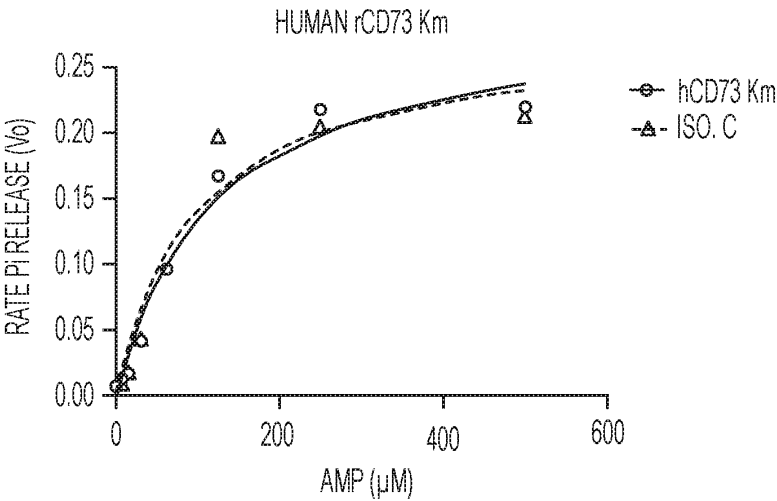


FIG. 2A

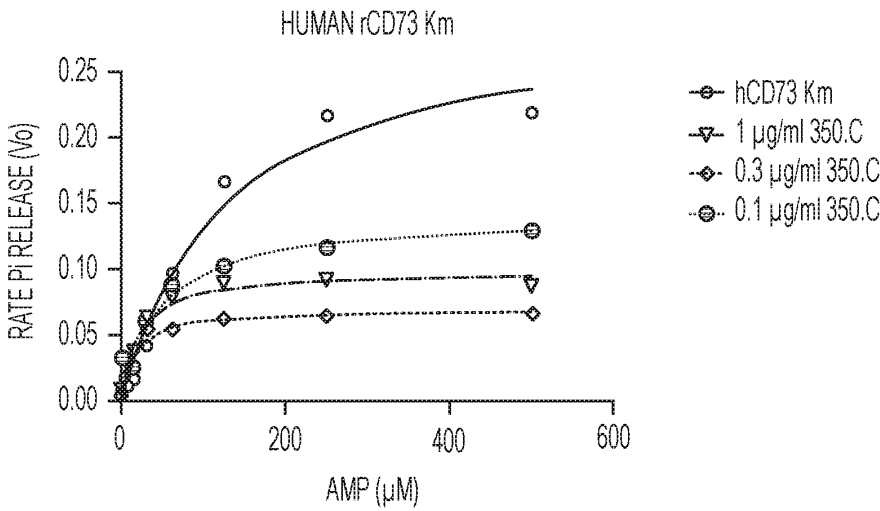
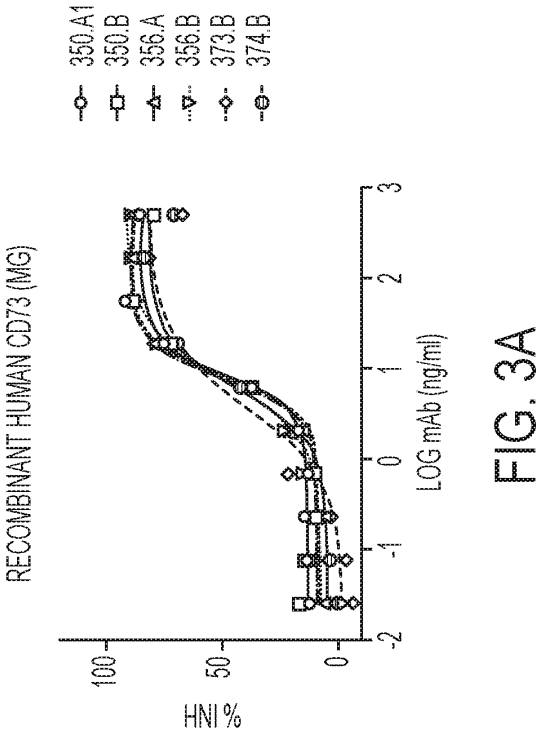
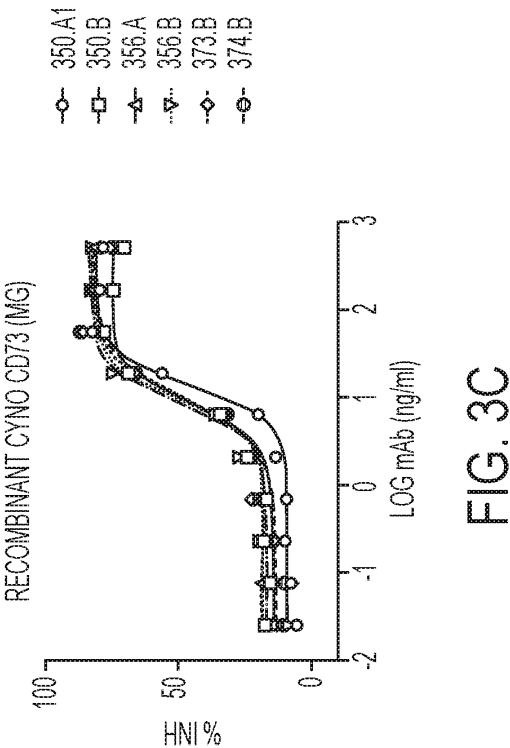
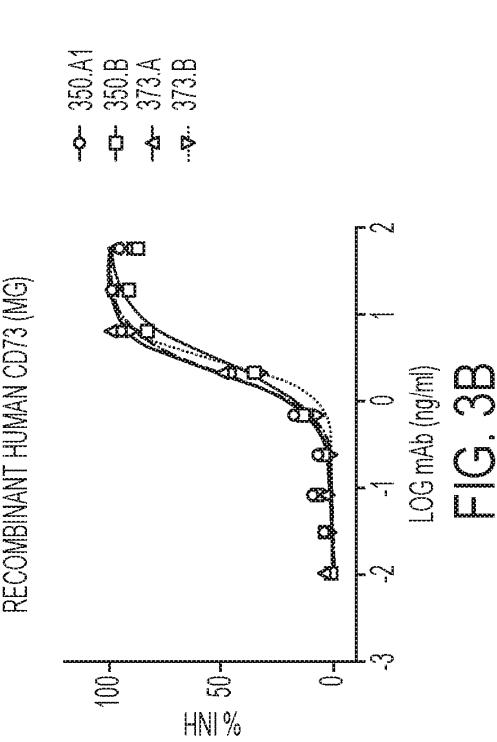


FIG. 2B



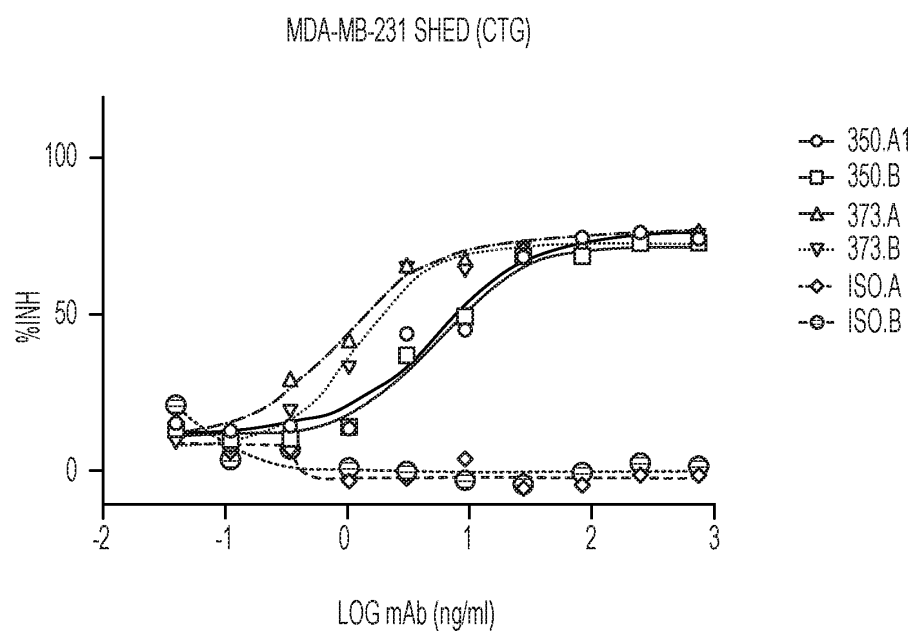


FIG. 4

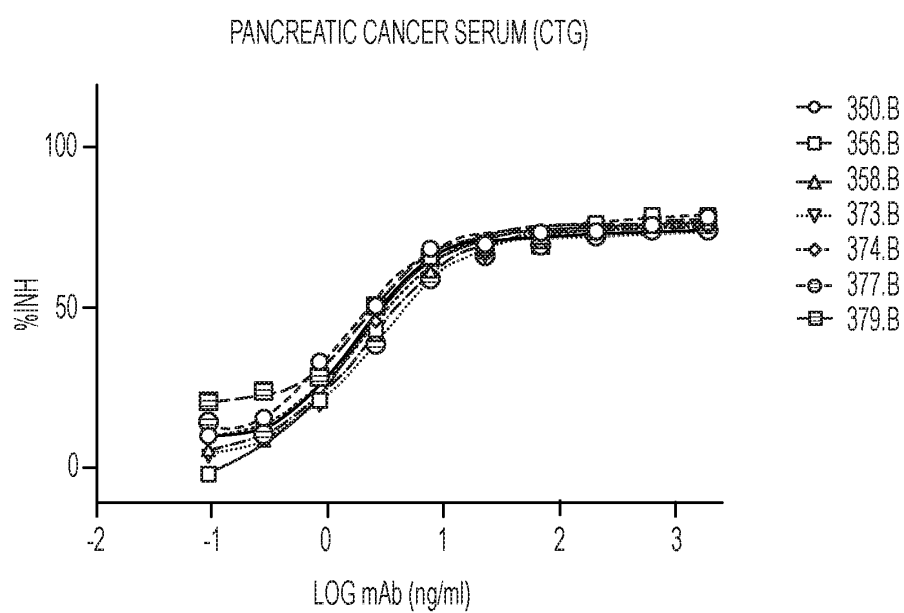


FIG. 5

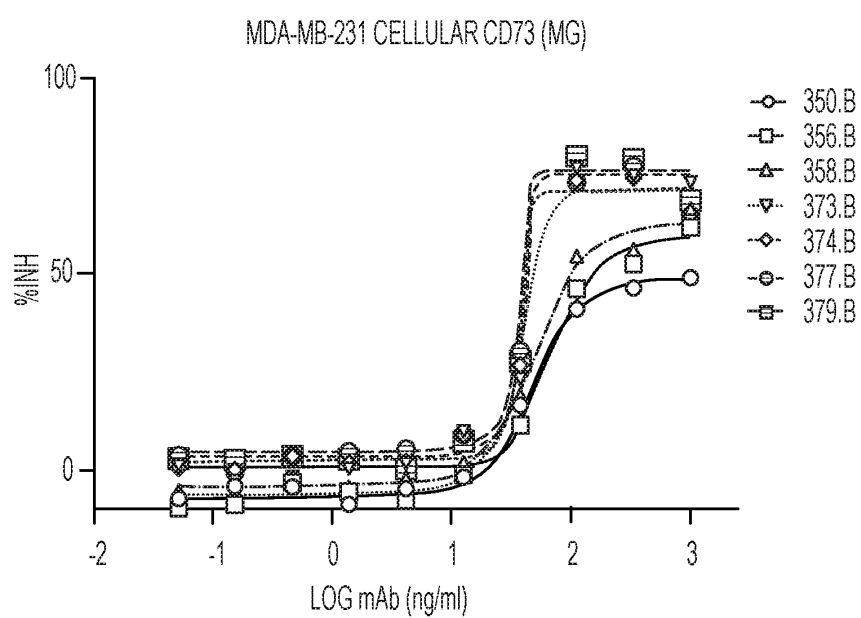


FIG. 6

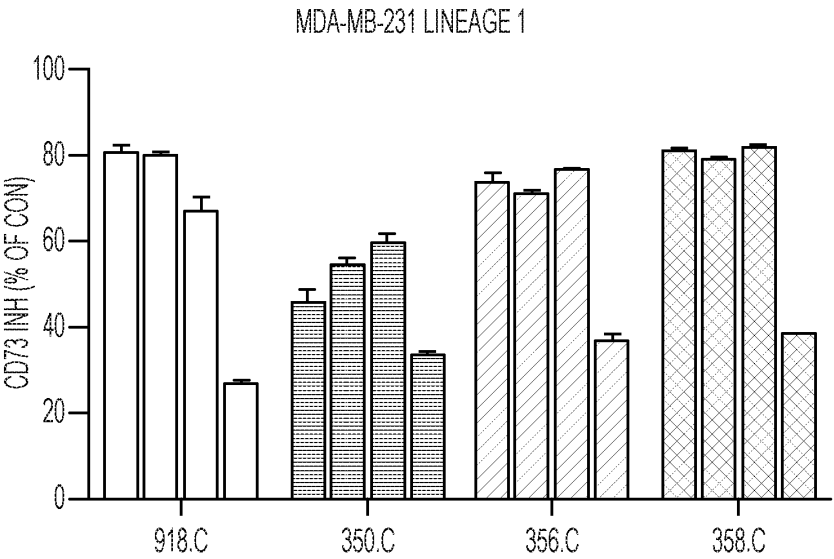


FIG. 7A

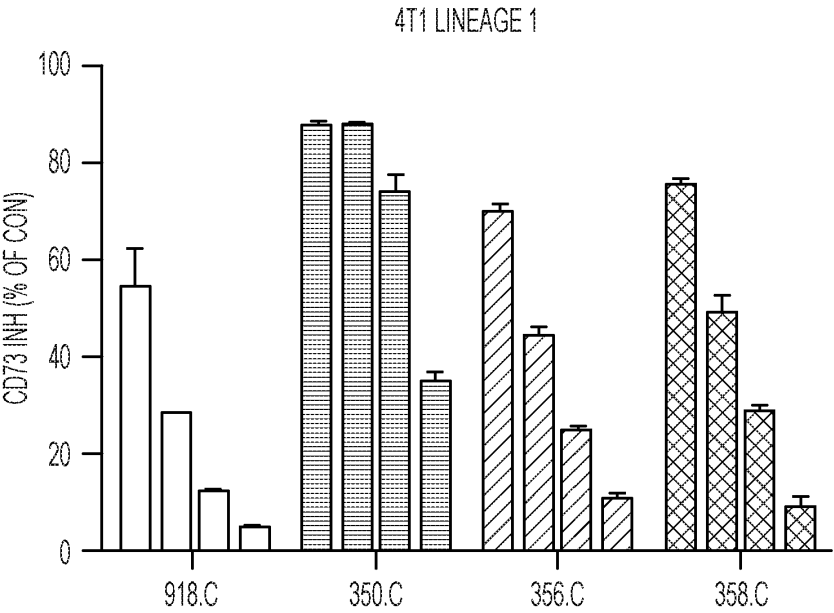


FIG. 7B

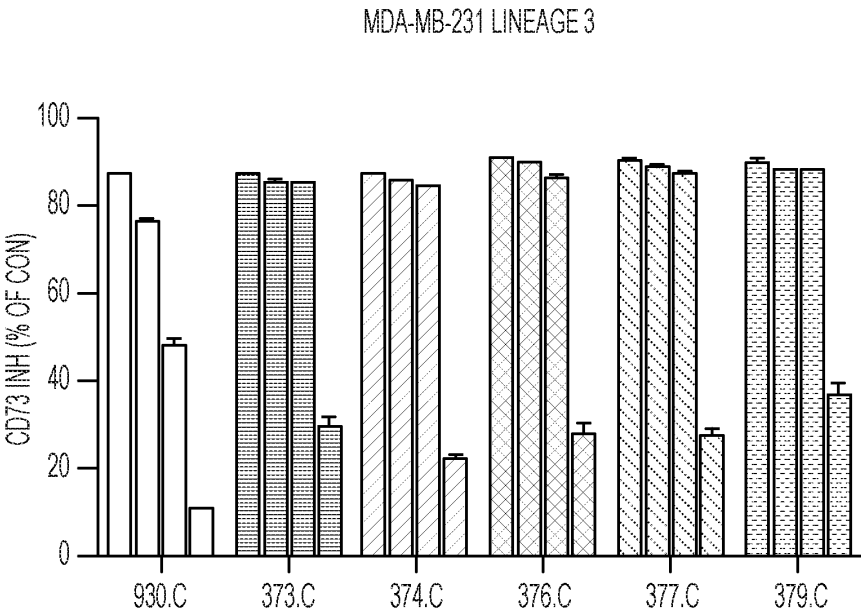


FIG. 7C

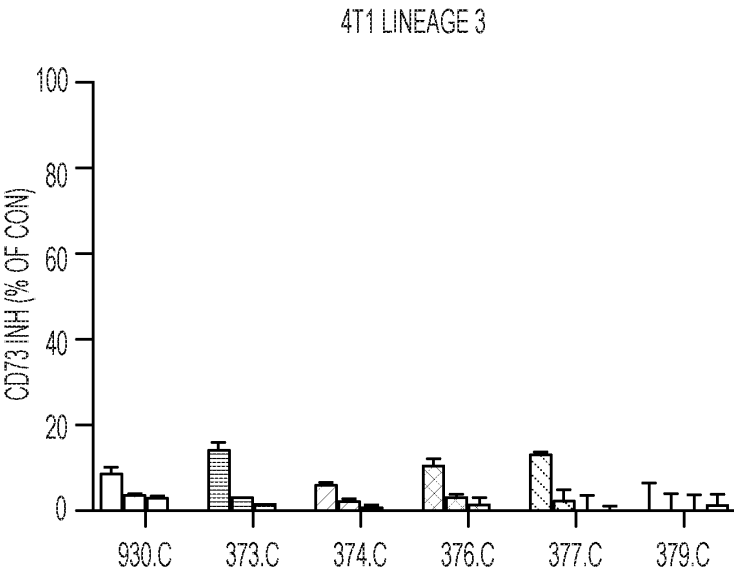


FIG. 7D

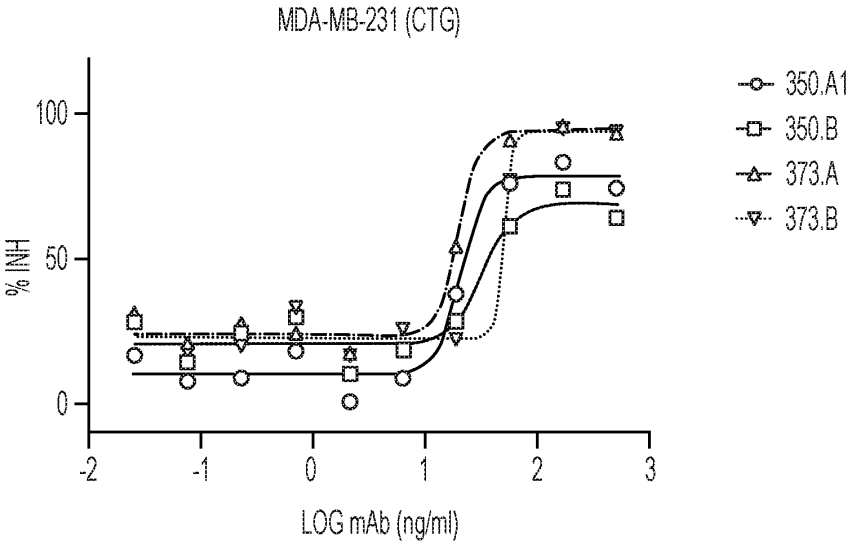


FIG. 8A

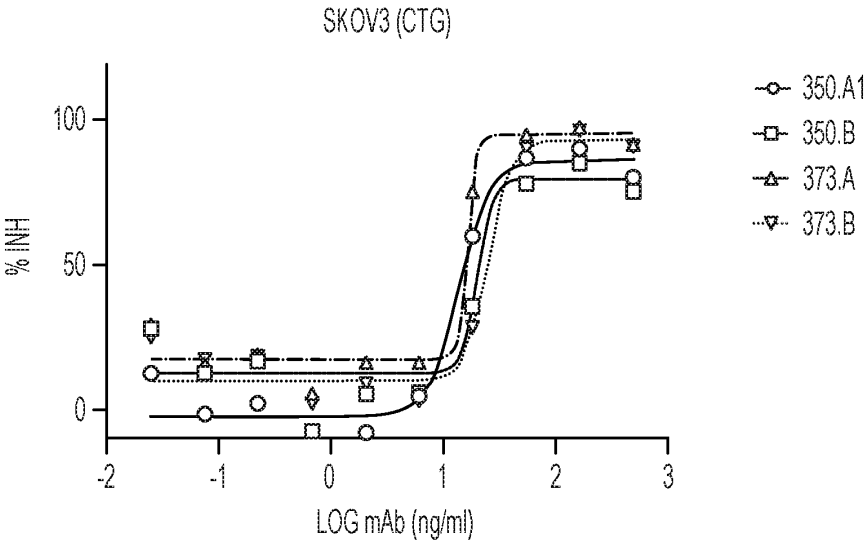


FIG. 8B

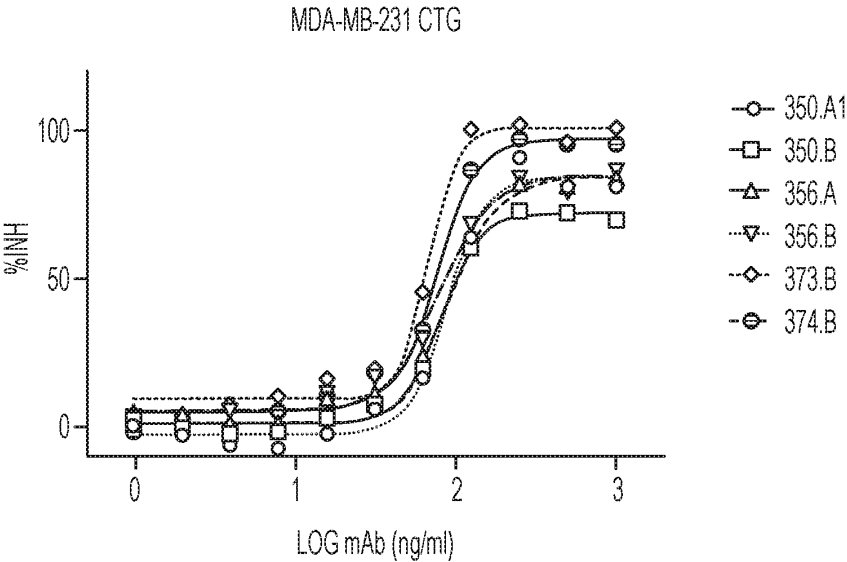


FIG. 9A

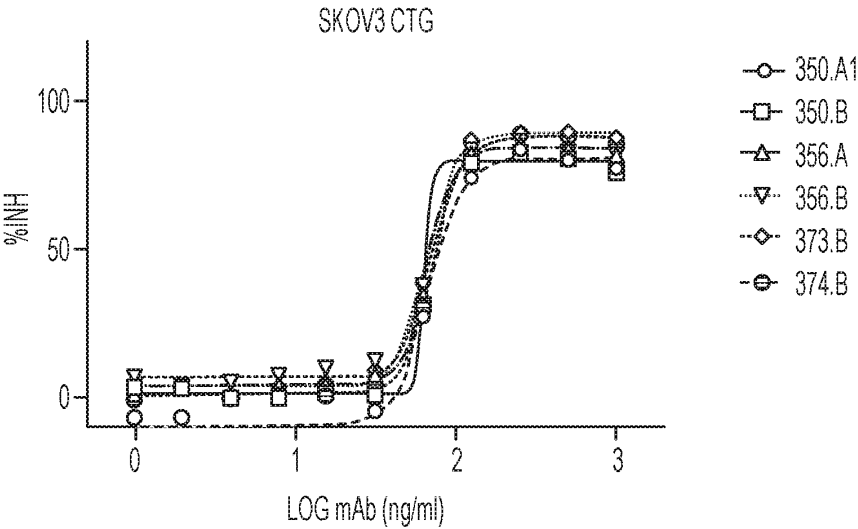


FIG. 9B

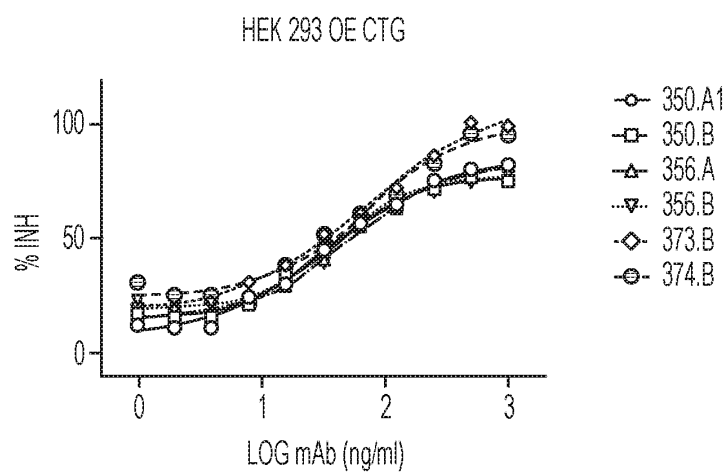


FIG. 10

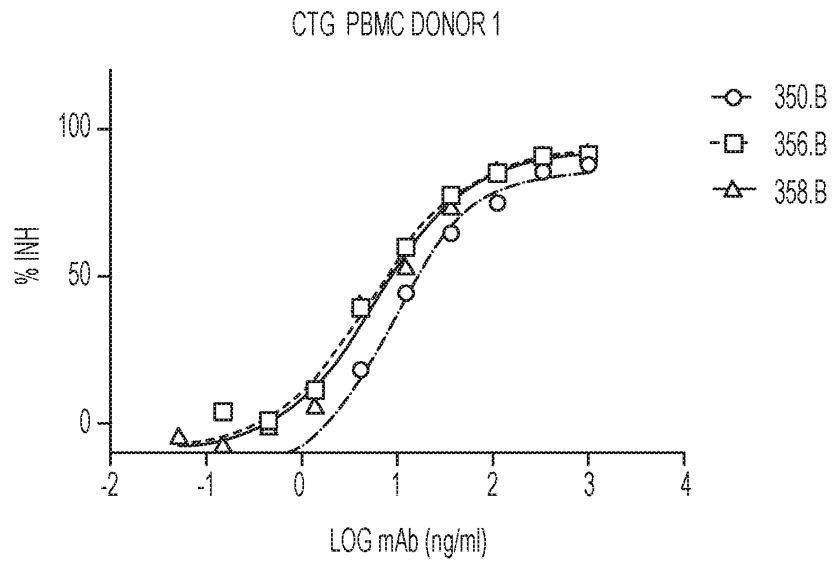


FIG. 11A

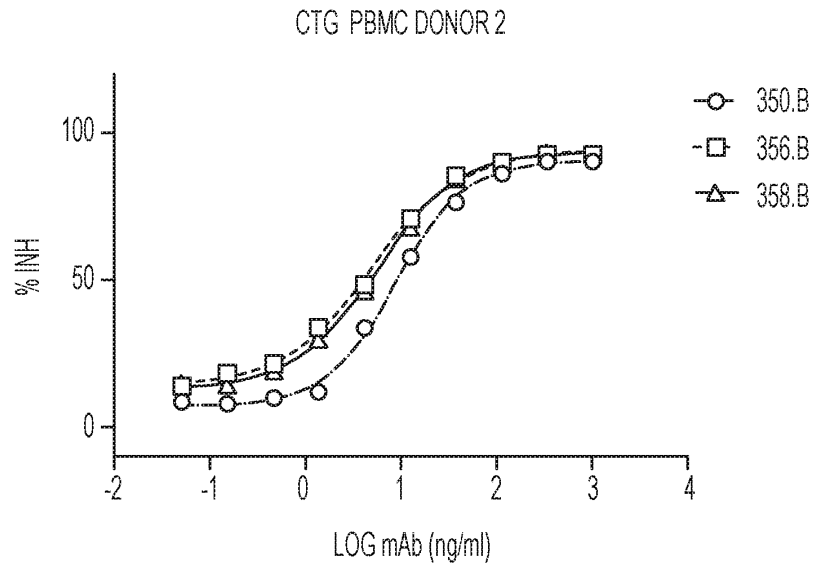


FIG. 11B

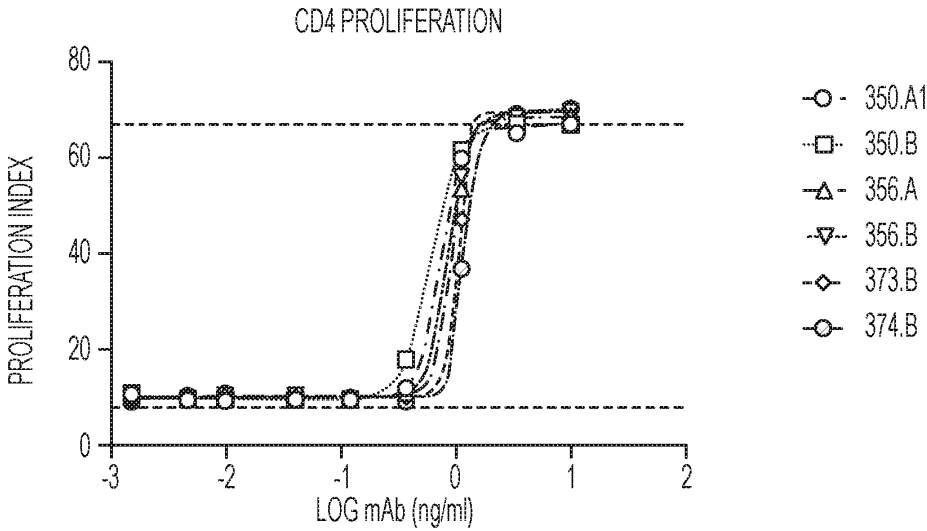


FIG. 12A

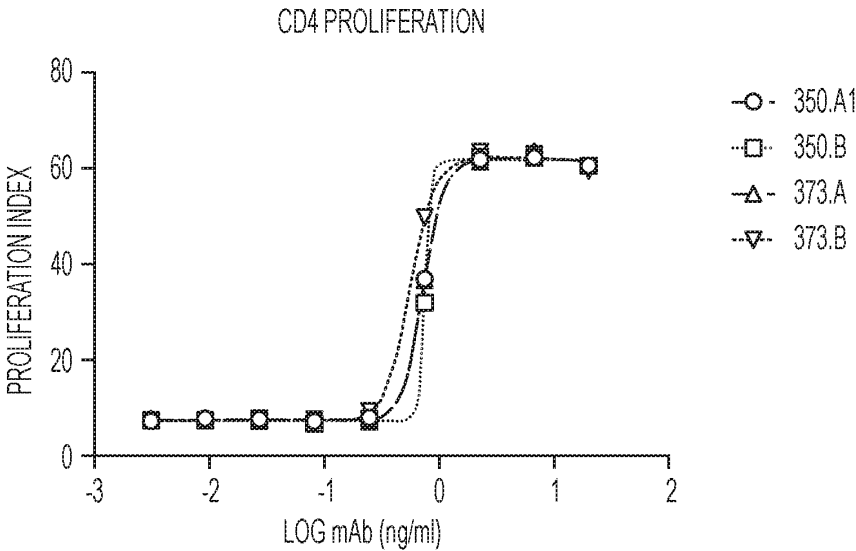


FIG. 12B

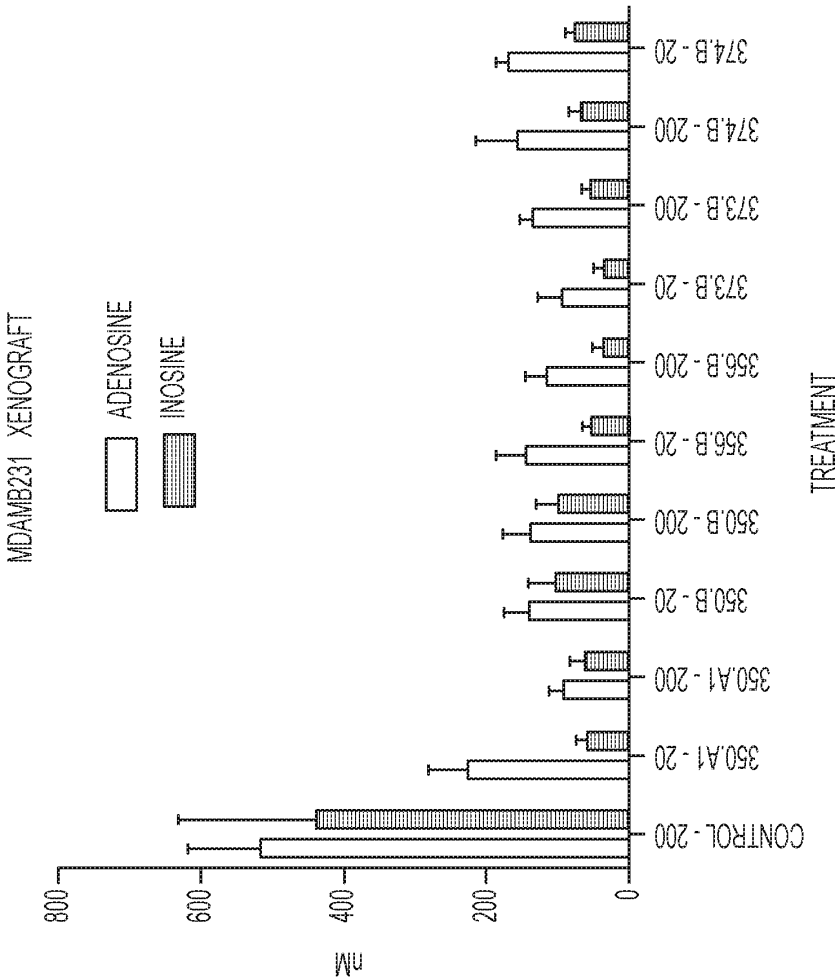


FIG. 13

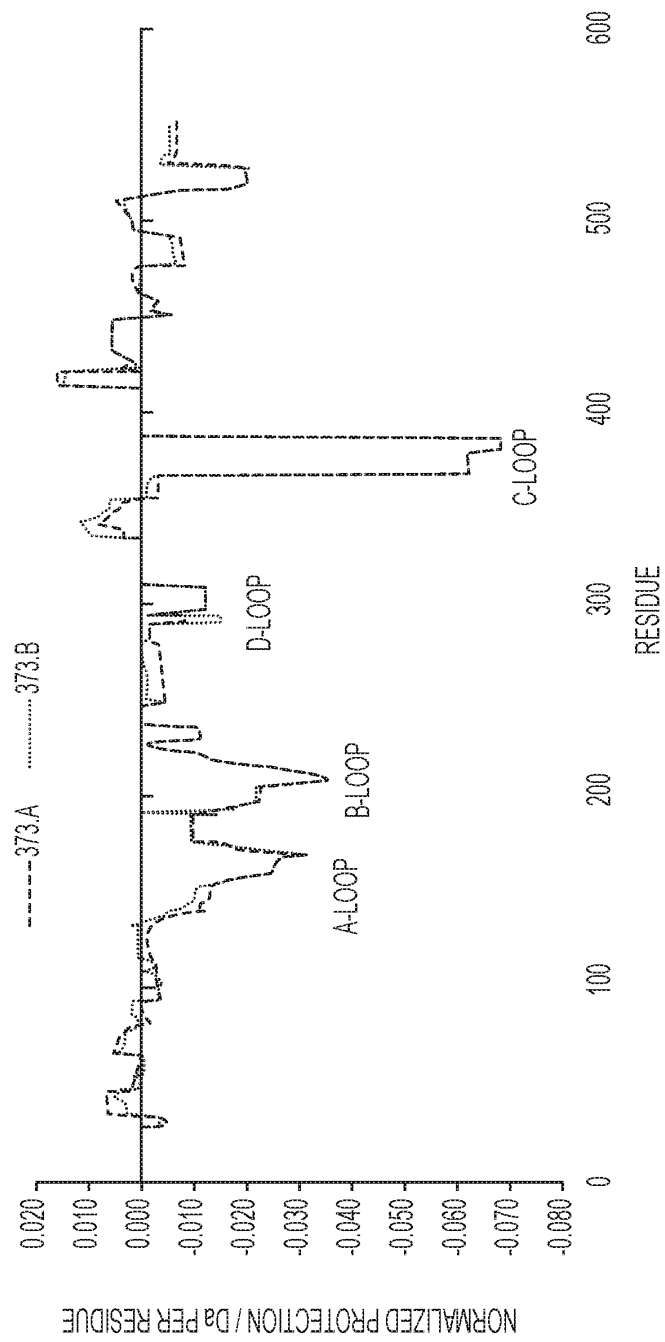


FIG. 14

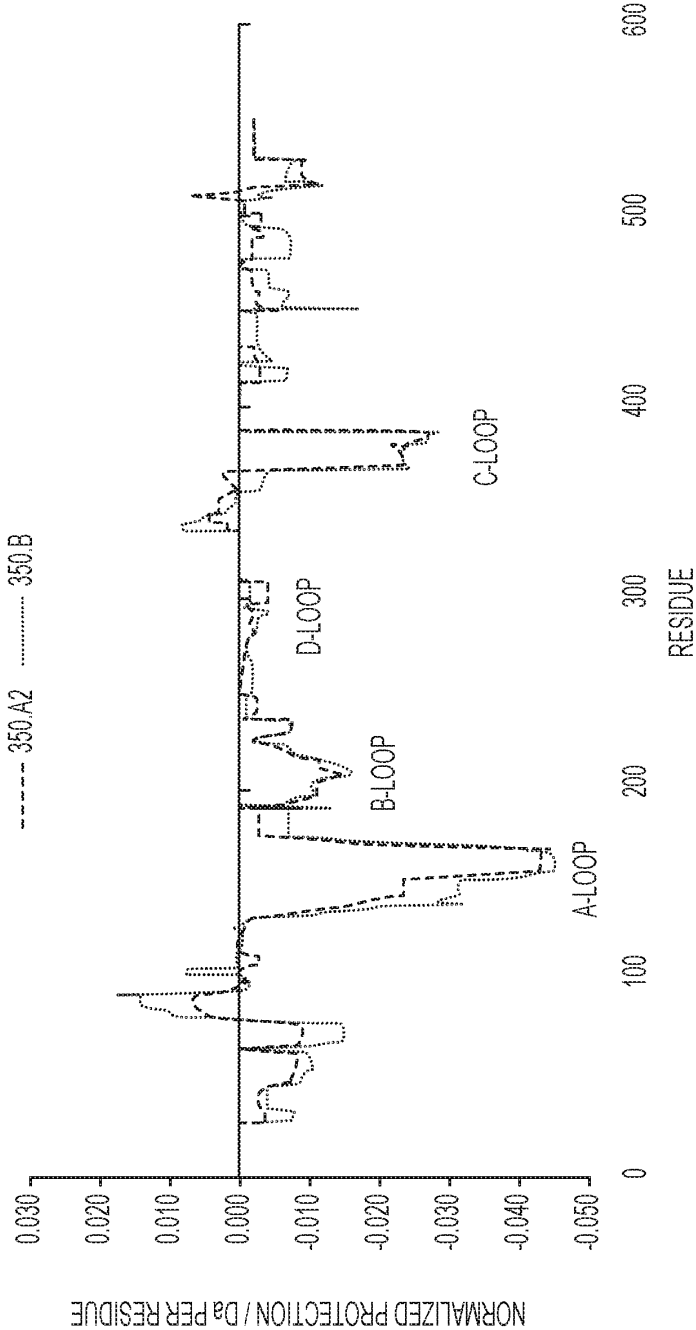


FIG. 15

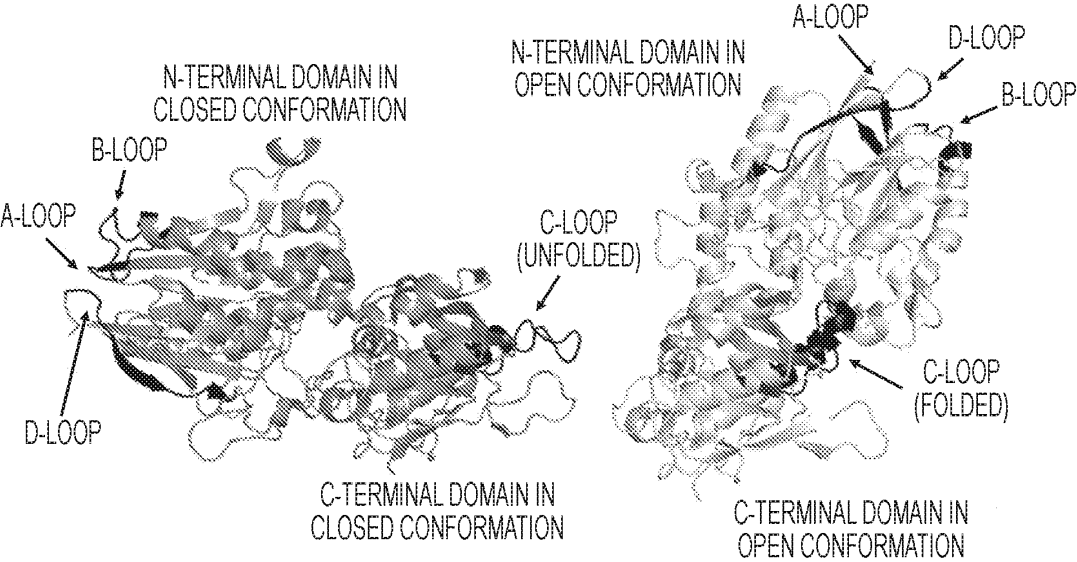


FIG. 16A

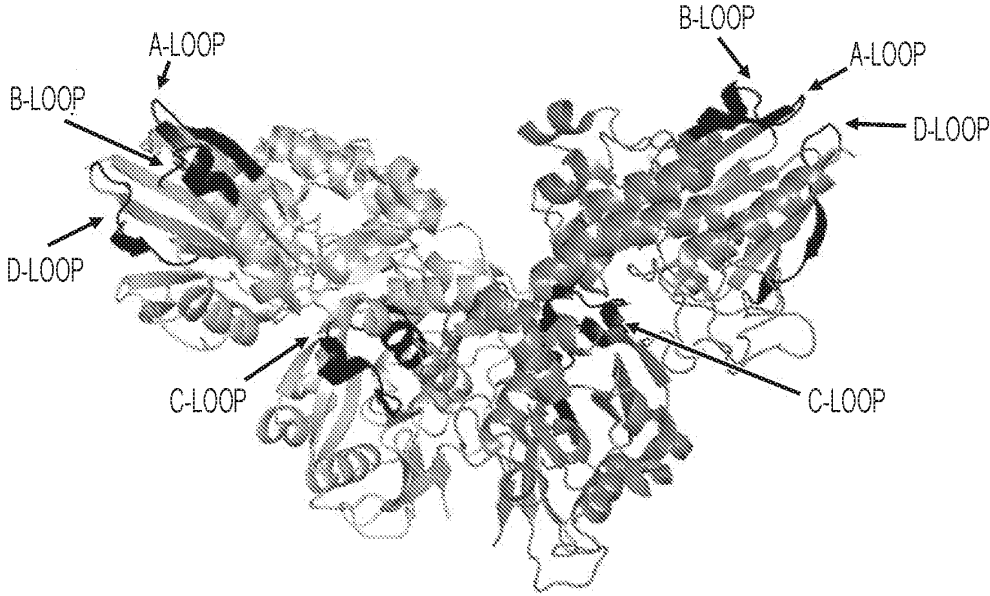


FIG. 16B

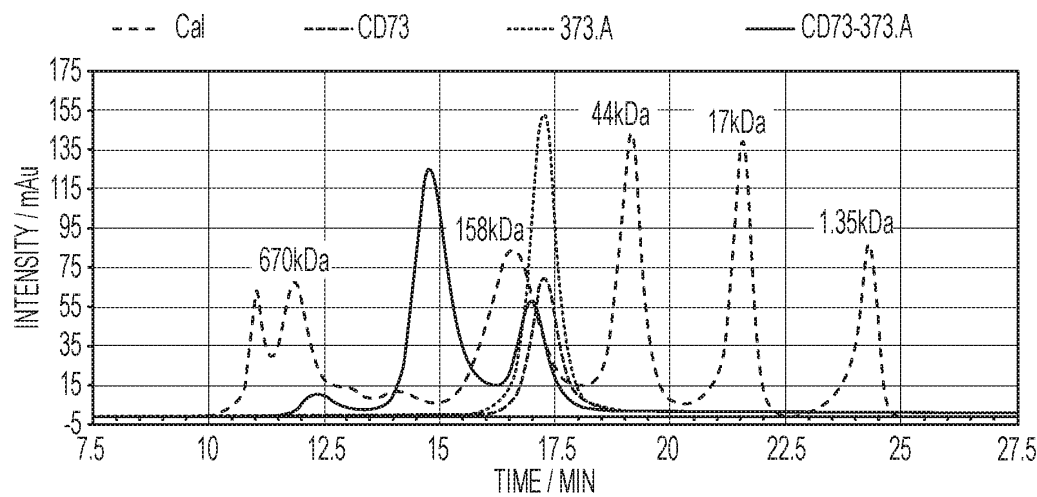


FIG. 17A

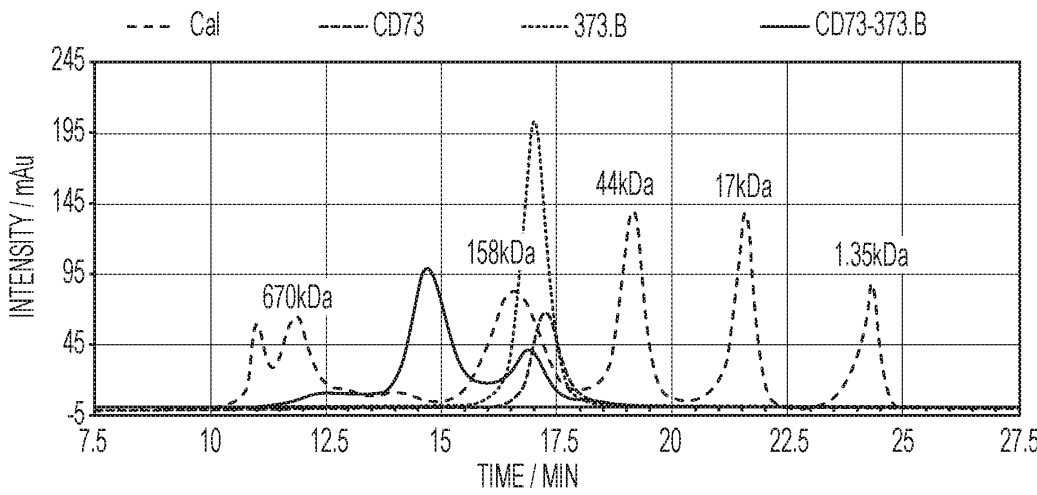


FIG. 17B

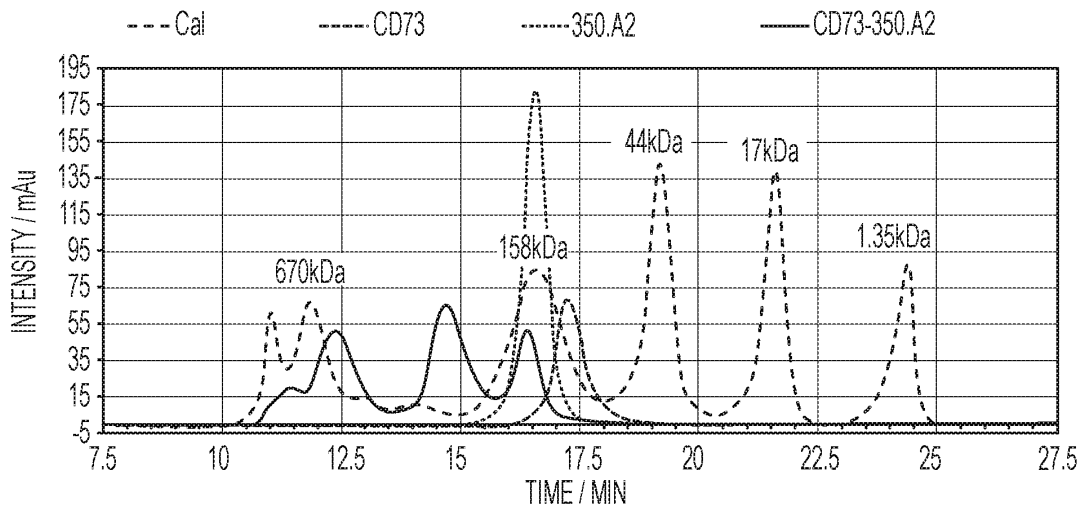


FIG. 18A

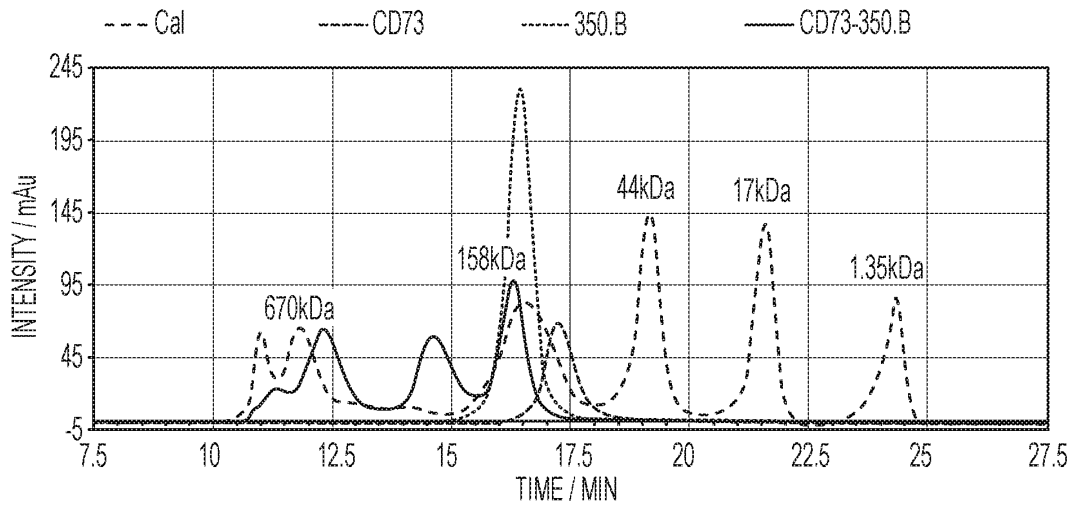


FIG. 18B

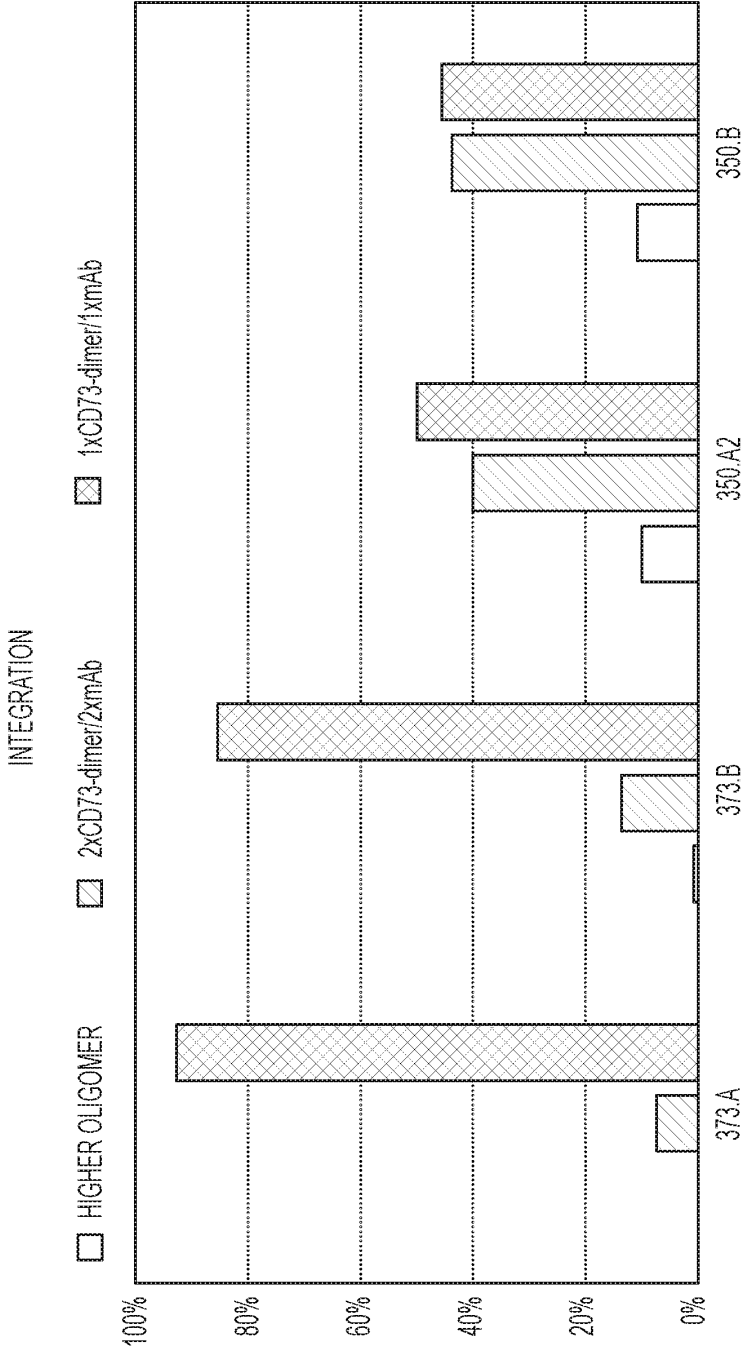


FIG. 19

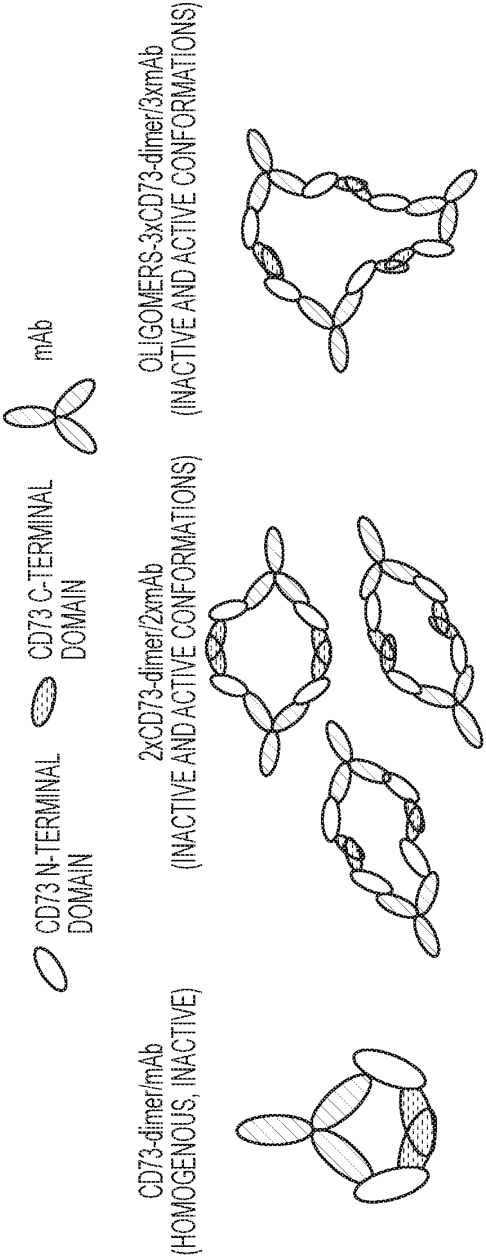


FIG. 20

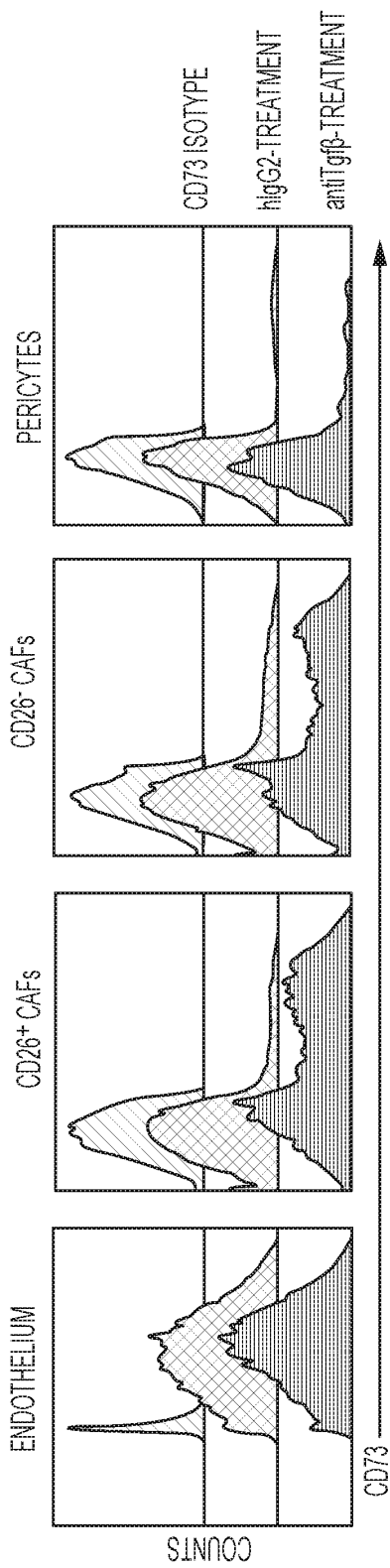


FIG. 21A

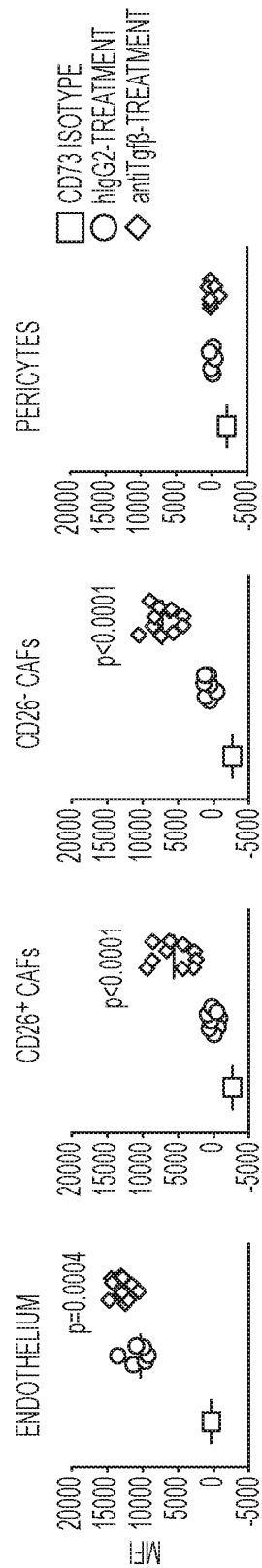


FIG. 21B

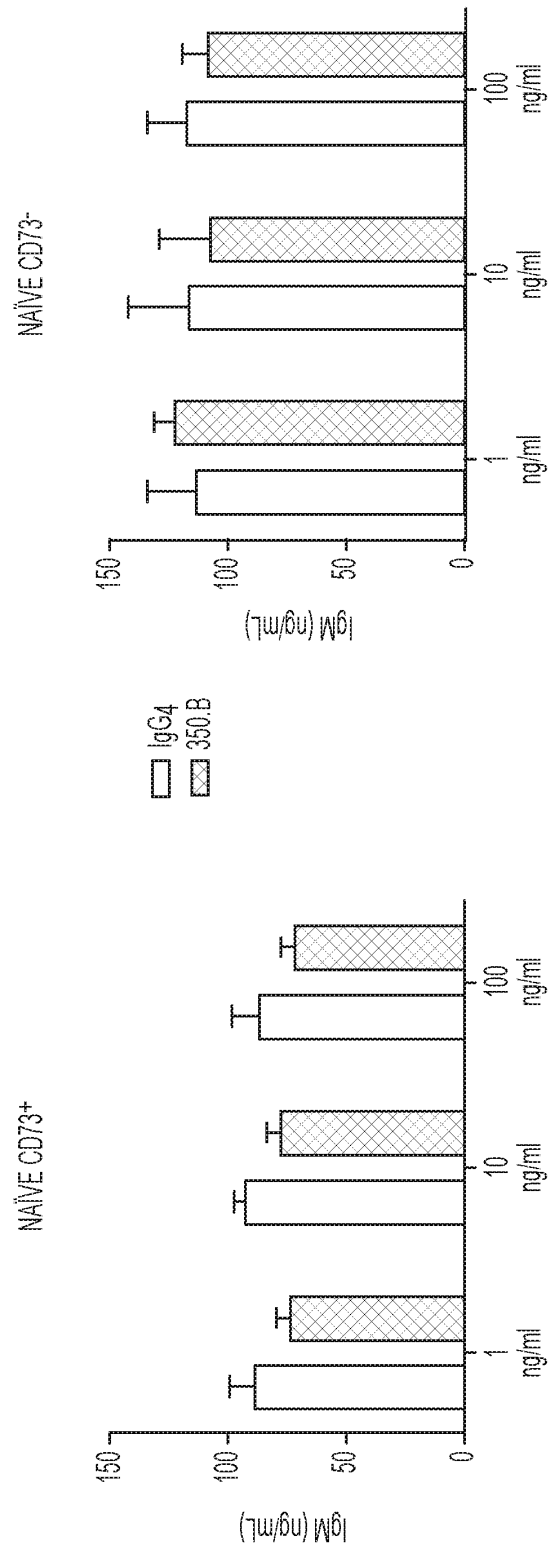


FIG. 22A

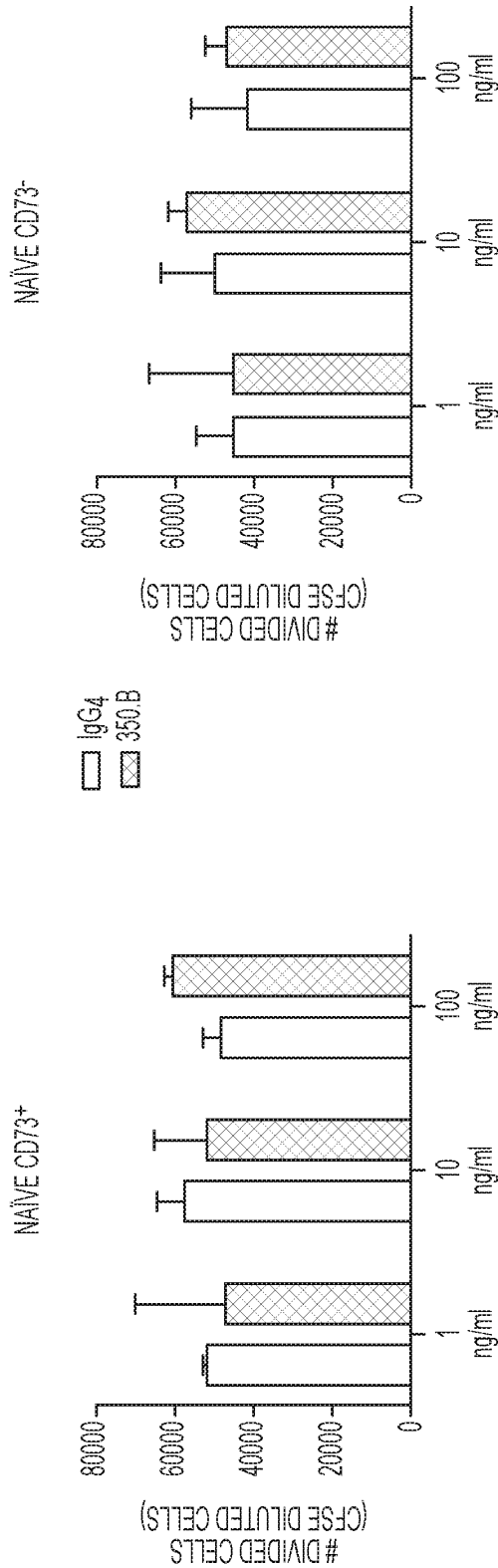


FIG. 22B

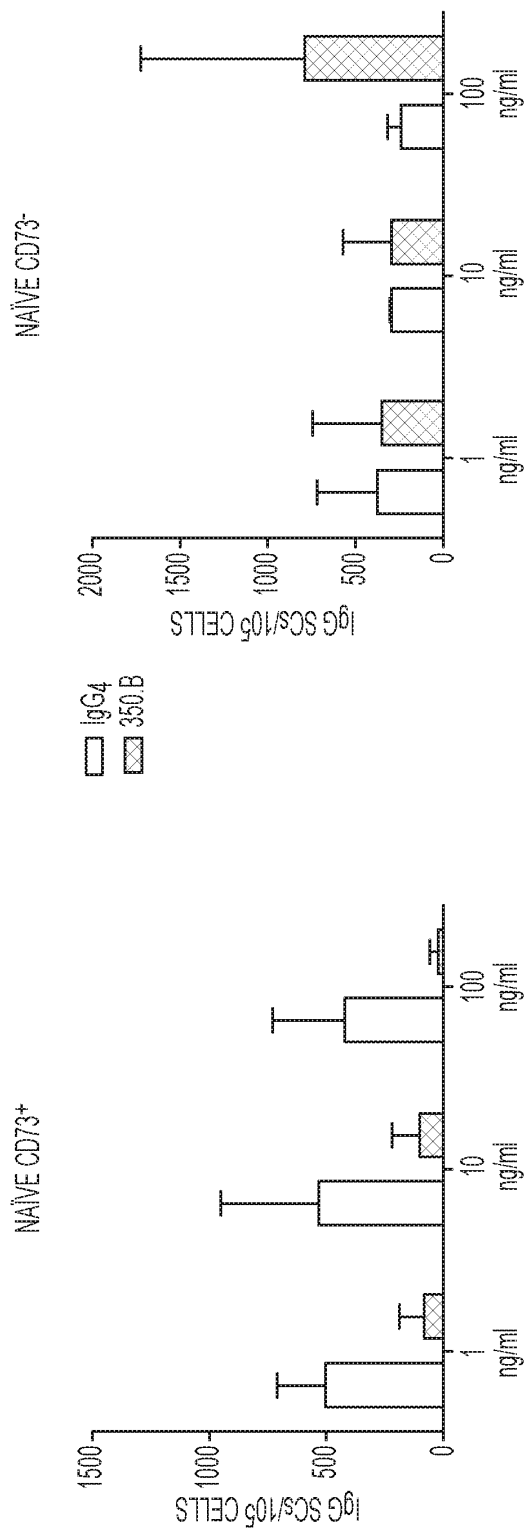


FIG. 22C

COMBINATION OF 350 B AND ANTI-PD-1 ANTIBODY TREATMENT SHOWS GREATER ANTI-TUMOR ACTIVITY THAN EITHER SINGLE AGENT IN A MODEL OF CT-26 COLON CARCINOMA

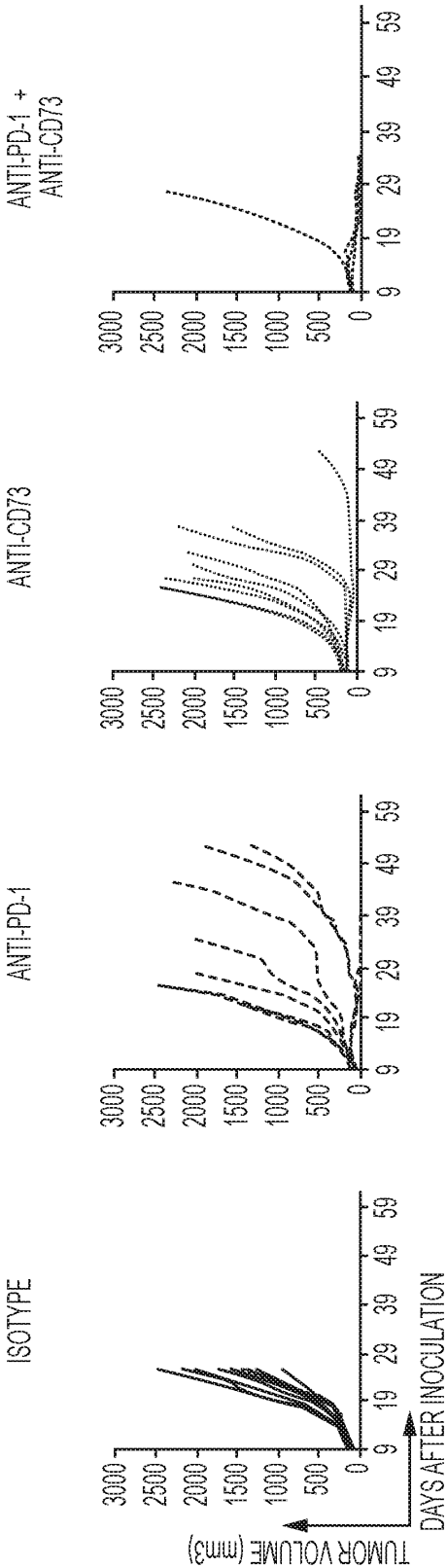


FIG. 23

DETECTION OF BIOTINYLATED 373.A ON UNLABELED 373.A
PRETREATED BLOOD SAMPLES

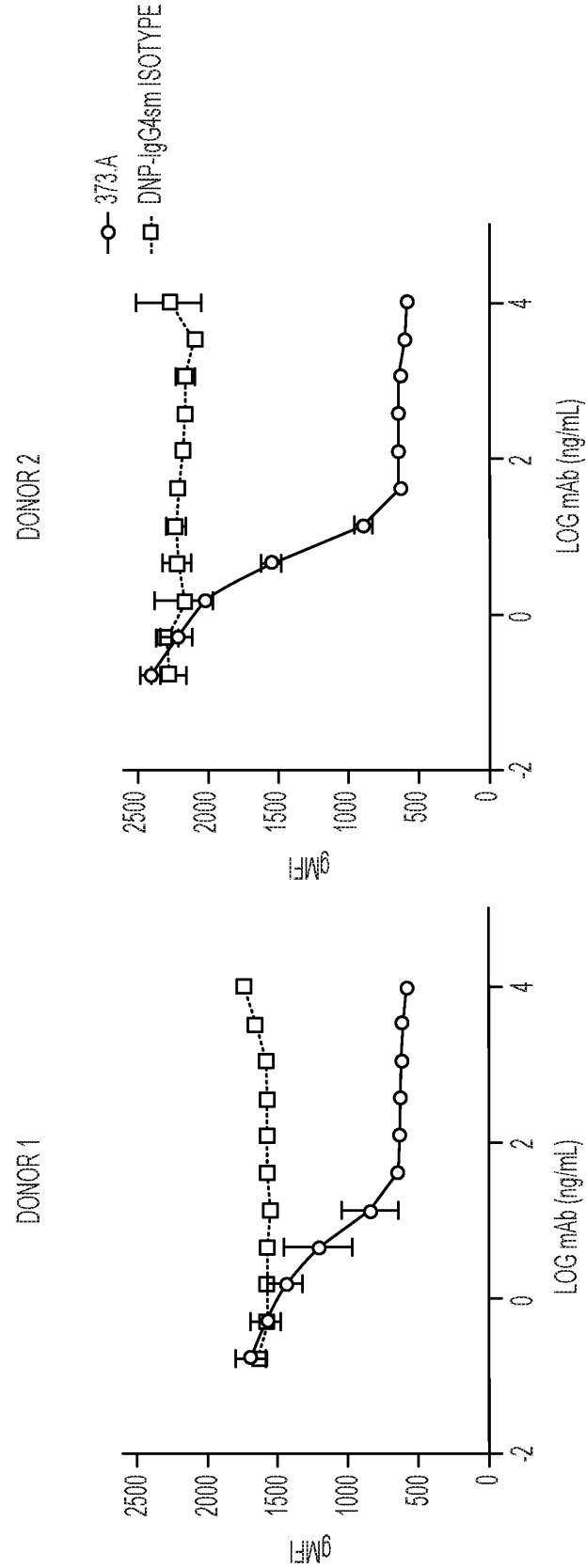


FIG. 24A

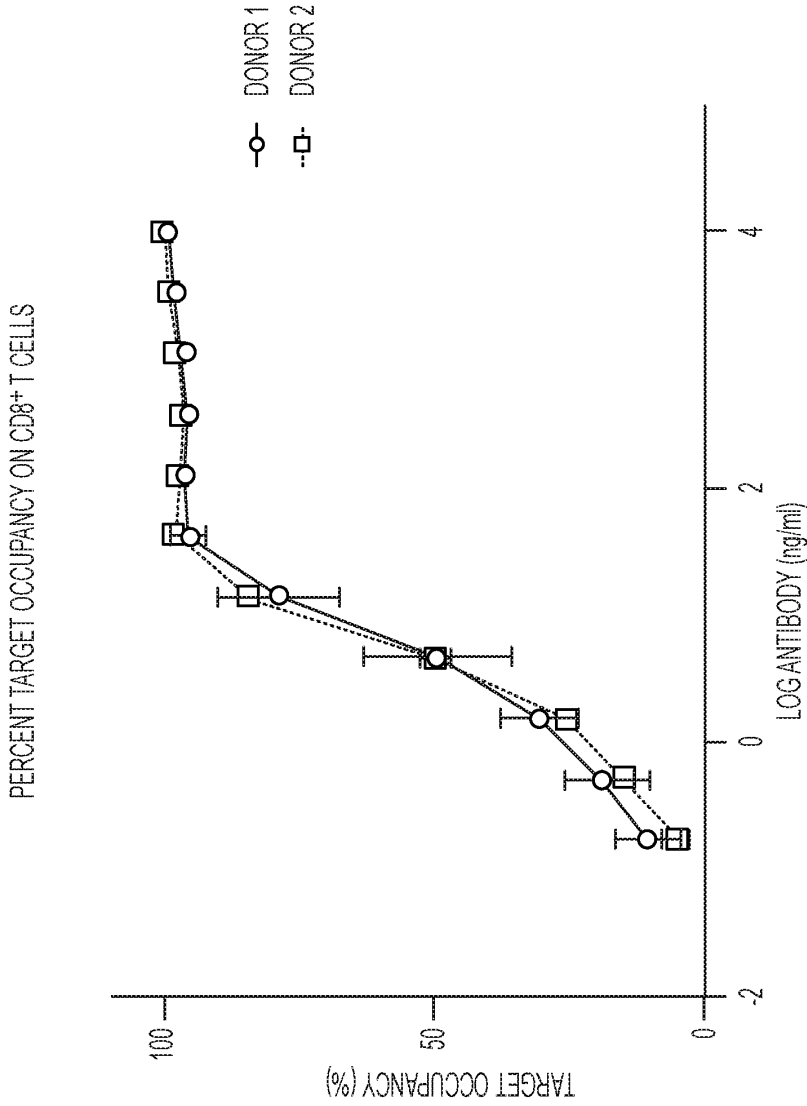


FIG. 24B

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373.A RESTORES PROLIFERATION IN CD4+ T CELLS
(SUPPRESSED BY AMP DURING TCR-MEDIATED ACTIVATION)

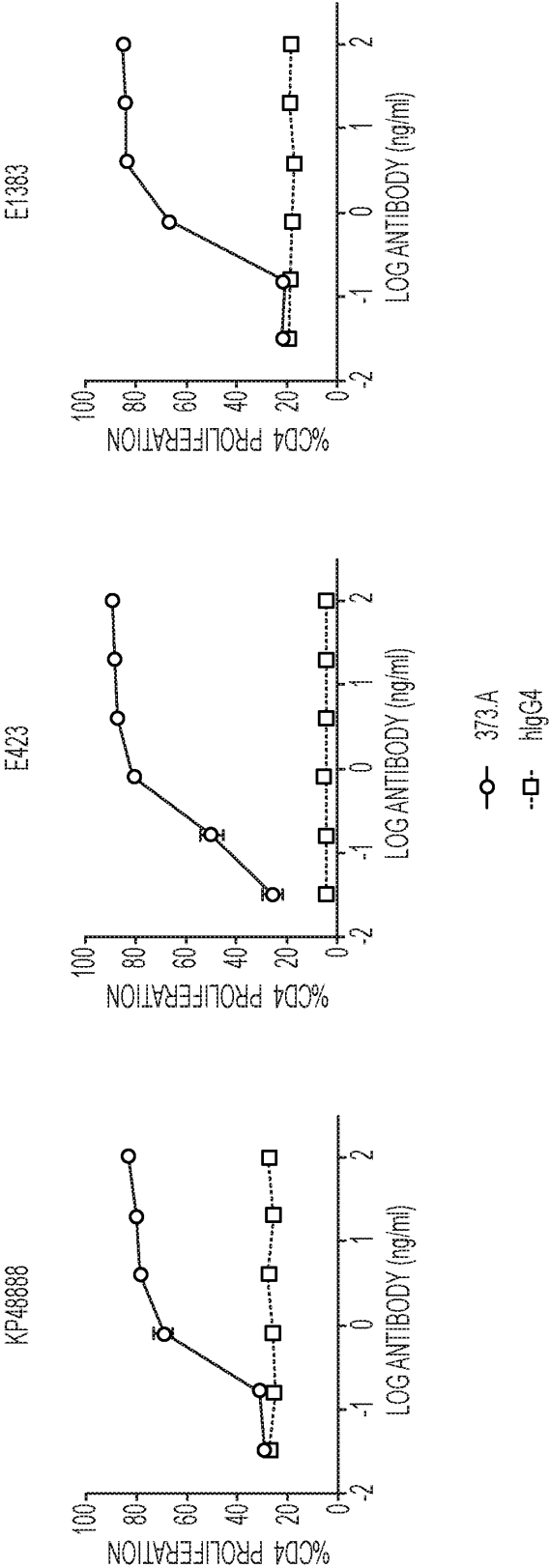


FIG. 25A

373A RESTORES PROLIFERATION IN CD8+ T CELLS
(SUPPRESSED BY AMP DURING TCR-MEDIATED ACTIVATION)

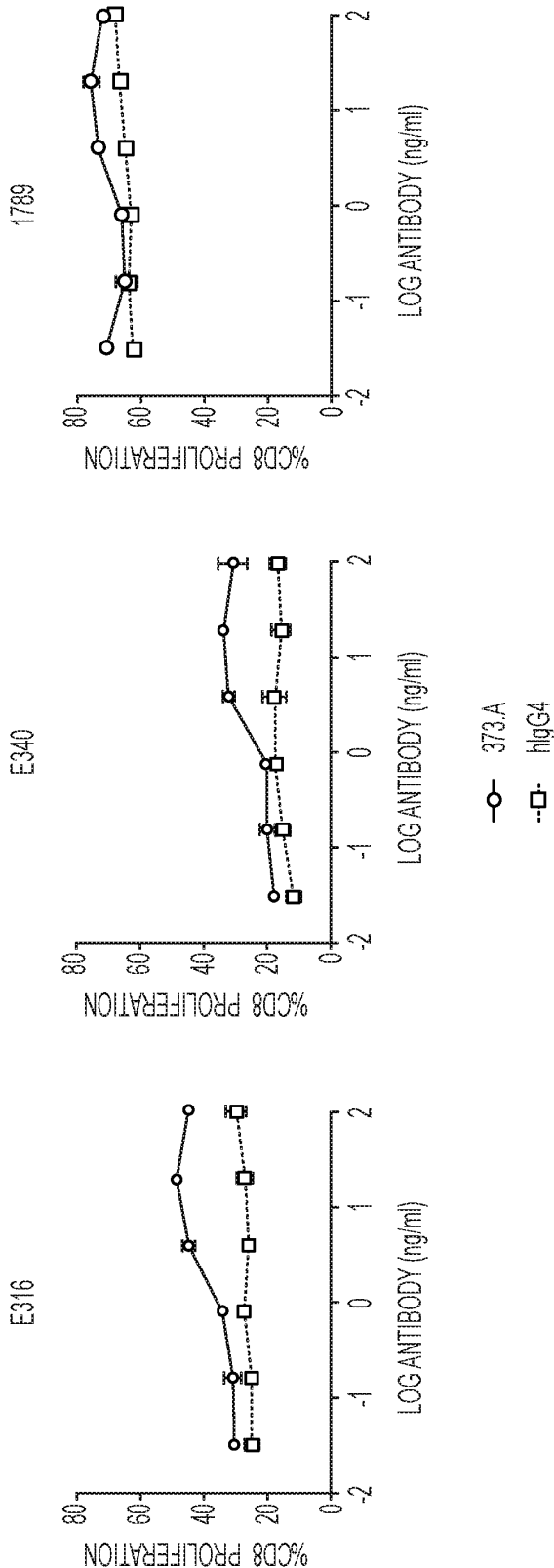


FIG. 25B

MCERAARAPATLLALGAVLWPAAGAWELTILHTNDVHSRIEQTSSESSKCVNASRC
MGGVRLFTKVQIIRAEENVLLDAGDQYQGTIWTIVYKGAEVAFHFWNALRYDA
MALGNHEFDNGVEGLIEPILKEAKTPILSANIKAKGFLASQISGLVLPYKVLPGDEWVG
IVGYTSKETPFLSNPGTNLVFEDELTALQPEVDKIKTLNVNKIIALGHSGFEMDKLIAQKV
RGVDVWGGHSNTELYTGNPPSPKEVPAGKYPFIIVTSDGKVPVWQAYAFGKYLGLKI
EFDERGNVISSHGNPILLNSSIPEDPSIKADINKWKIKLDNYSTQELGKTIIVLDGSSQSC
RRECNMGNLICDAMINNNLRHADETFWNHVMCIILNGGGIRSPIDERNNGTITWE
NLAAVLPGGTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHVVYDLGRKPGD
RVVKLDVLCTKCRVPSYDPLKMDVYKVIIPNFIANGGDFQMIKDELLHRHDSGDQDI
NVVSTYISKMKVIYPAVEGRICKHHHHH (SEQ ID NO: 332)

FIG. 26A

MCPRARAPATILLALGAVLWPAAGAWELTILHTNDVHSRLQTSSESSKCVNASRC
MGVARLFTKVQQTIRRAEPNVILLDAGQVQGTWFTVYKGAEVAFHFMNALRYDA
MALIGNHEFDNGVEGLIEPLLKEAKFPIILSANIKAKGPLASQISGLYLPYKVLFPVGDEW
GIVGYTSKETPELSNPGTNLVFEDEITALQPEVDKLTUNVKIILALGHSGFEMDKLIAQK
VRGVDVVGGHSNTFLYTGNPPSPKEVPAGKYPFFIVTSDGRKVPVQAYAECKYLGYL
KIEFDERGNVISSHGNPILLNSSIPEDPSIKADINKWRITKLDNYSTQELGKTIVYLDGSSQS
CRFECNMGNLICDAMINNNLRHADETFNNHVSNCILNGGGIRSPIDERNNGTITW
ENLAAVLPFGGTFDLVQLKGSTIKKAFEHSHVRYGQSTGEFLQVGGIHVVYDLSRKPG
DRVVKLDVLCRCRVPSYDPLKMDVYKVIPLNFIANGGDFQMTKDELLRHDSDGQ
DINVSTYISKMKVIYPAVEGRICKHHHHH (SEQ ID NO: 332)

FIG. 26B

QVQLQESGPGLVKPSETLSLTCTVSGGSIERYYMSWIRQPPGKGLEWIGYIYGRGS
TNYNPSLKSRVTISVDTSKNQFSLKLSSVTAADTAVYYCAREESQEPYNNWFDPW
GQGTLLTVSSASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALT
SGVHTFPAVLQSSGLYSLSSVTVFESSSLGTCTTCNVDHKPSNTKVKDKRVESKYG
P (SEQ ID NO: 331)

FIG. 26C

QVQLQESGPGLVKPSETLSLTCTVSGGSIERYYMSWIRQPPGKGLEWIGYIYGRGS
TNYNPSLKSRVTISVDTSKNQFSLKLSSVTAADTAVYYCAREQESFPYNNWFDPW
GQGTLLTVSSASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALT
SGVHTFPAVLQSSGLYSLSSVTVFESSSLGTCTTCNVDHKPSNTKVKDKRVESKYG
P (SEQ ID NO: 331)

FIG. 26D

MCPRARAPATILLALGAVLNPAAGAWELTILHTNDVHSLRLEQTS~~EDSSKCVNASRC~~
MGVARLFTKVQQTRRAPENVLLLDAGDQYQGTWFTTVYKGAEVAHFMNALRYDA
MALGNHEFDNGVEGLIEELLKEAKFPILSANIKAKGPLASQISGLYLPYKVLPGDEVVG
IVGYTSKETPFTLSNPGTNLVFEDEITALQPEVDKIK~~TL~~NVNKIIALGHSGFEMDKLIAQKV
RGVDVVGGHSNTFLYTGNPPSPKEVPAGKYPFIVTSDDGKVPVWQAYAFGKYLGIKI
EFDERGNVISSHGNPILLNSSIPEDPSIKADINKWRIKLDNYSTQELGKTIIVLDGSSQSC
RFRECNMGNLICDAMINNNLRHADETFWNHVMCIINGGGIRSPIDERNNGTITWE
NLAAVLPFGGTDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGTHVVYDLSRKPGD
RWKLDVLC~~TKRVPSYD~~ELKMD~~EVYK~~VLPNFLANGGDGFQMIKDELLRHDSGDQDI
NWSTYISKMKVIYPAVEGR~~IKHHHH~~ (SEQ ID NO: 332)

FIG. 26E

MCPRARAATLLALGAVINPAAAGAWELTILHTNDVHSRLQTSSEDSKCVNASRC
MGGVARETKVQQIRRAEENVLLDAGDQYQGTWFTVYKGAEVAHEMNALRYDA
MALGNHEFDNGVEGLIEPLIKEAPFILLSANIKAGFLASQISGLYLPYKVLPGDEVVG
IVGYTSKETPFLSNPGTNLVEDEITAIQPEVDKLTNNVNNKIIALCHSGFEMDKLIAQKV
RGVDVVGGHSNTFLYTGNPSSKEVPAGKYFFIVTSDDRKVPVQYAFGKYLGYLKI
EEDERGNVISSHGNPILLNSSIPEPDSIKADINKWRIKLDNYSTQELGKTIIVLDGSSQSC
RRECNMGNLICDAMINNNIRHADETFNNHVSMCIINGGIRSPIDERNNGTITWE
NLAAVLPFGGTFDLVQLKSTLKKAFEHSVRYGQSTGEFLQVGGIHVVYDLSRKPGD
RVVKLDVLCCKRVPSPDIKWDEVYKVLNPNFLANGGDGFQMIKDELIRHDSGDQDI
NVVSTYISKMKVITYPAVEGRIKHHHHH (SEQ ID NO: 332)

FIG. 26F

DIQMTQSPSSVSASVGDRVTITCRASQGISSW¹LAWYQKPGKAPKLLIYAASSLQSG
VPSRFGSGSGTDFTLTISIQLQPEDFATYYCQGN²SFRTFGGKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVC³LN⁴NYPREAKVQKVDNALQSGNSQESVTEQDSKDS
T
YSLSS⁵TLT⁶LSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 23)

FIG. 26G

DIQMTQSPSSVSASVGDRVTITCRASQGISSW¹LAWYQKPGKAPKLLIYAASSLQSG
VPSRFGSGSGTDFTLTISIQLQPEDFATYYCQGN²SFRTFGGKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVC³LN⁴NYPREAKVQKVDNALQSGNSQESVTEQDSKDS
T
YSLSS⁵TLT⁶LSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 23)

FIG. 26H

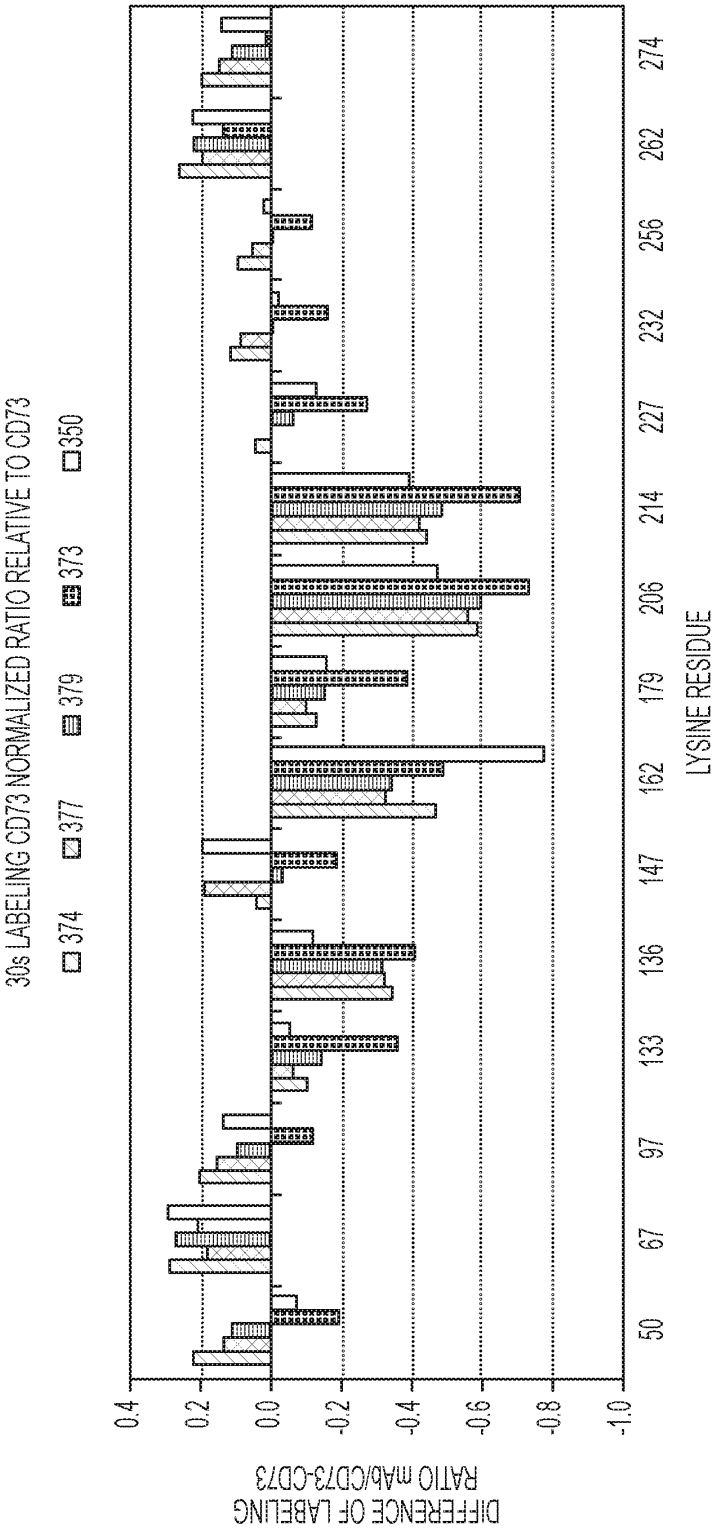


FIG. 27A

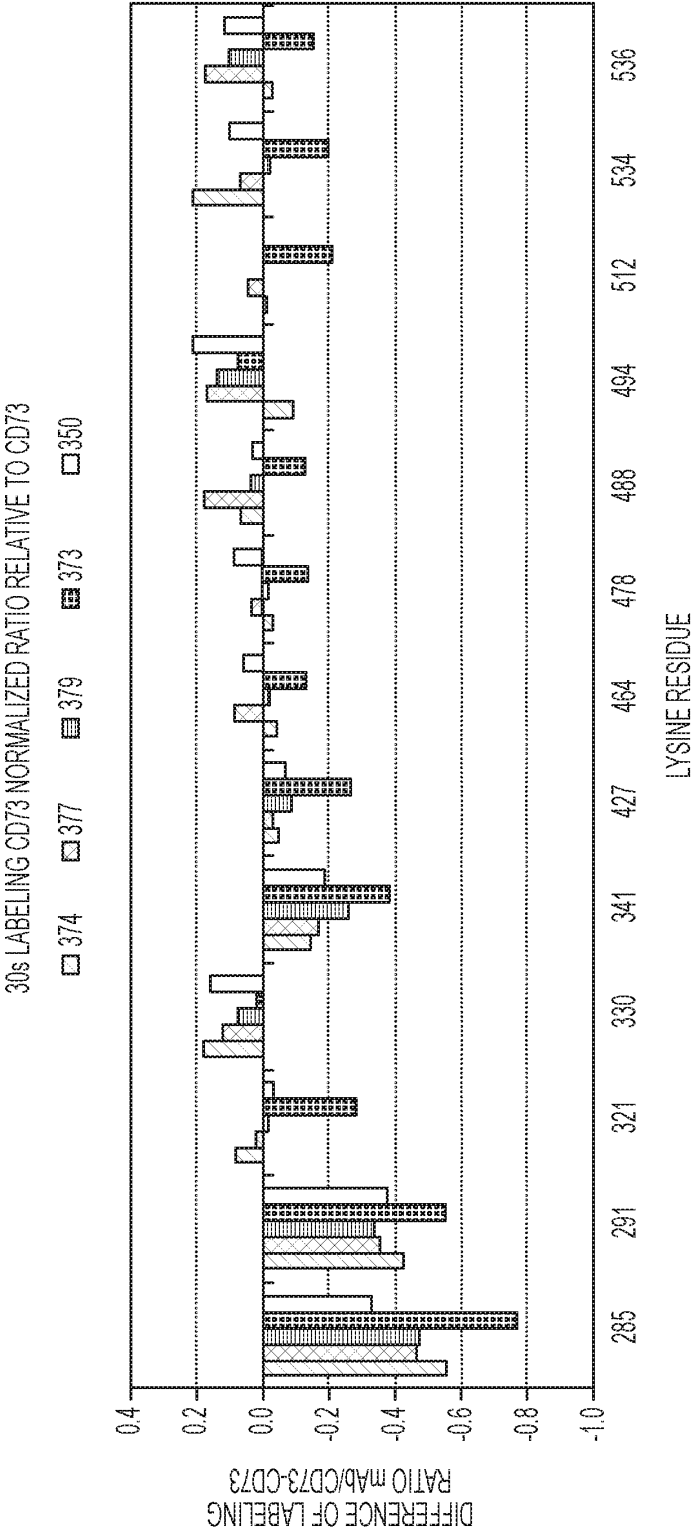


FIG. 27B

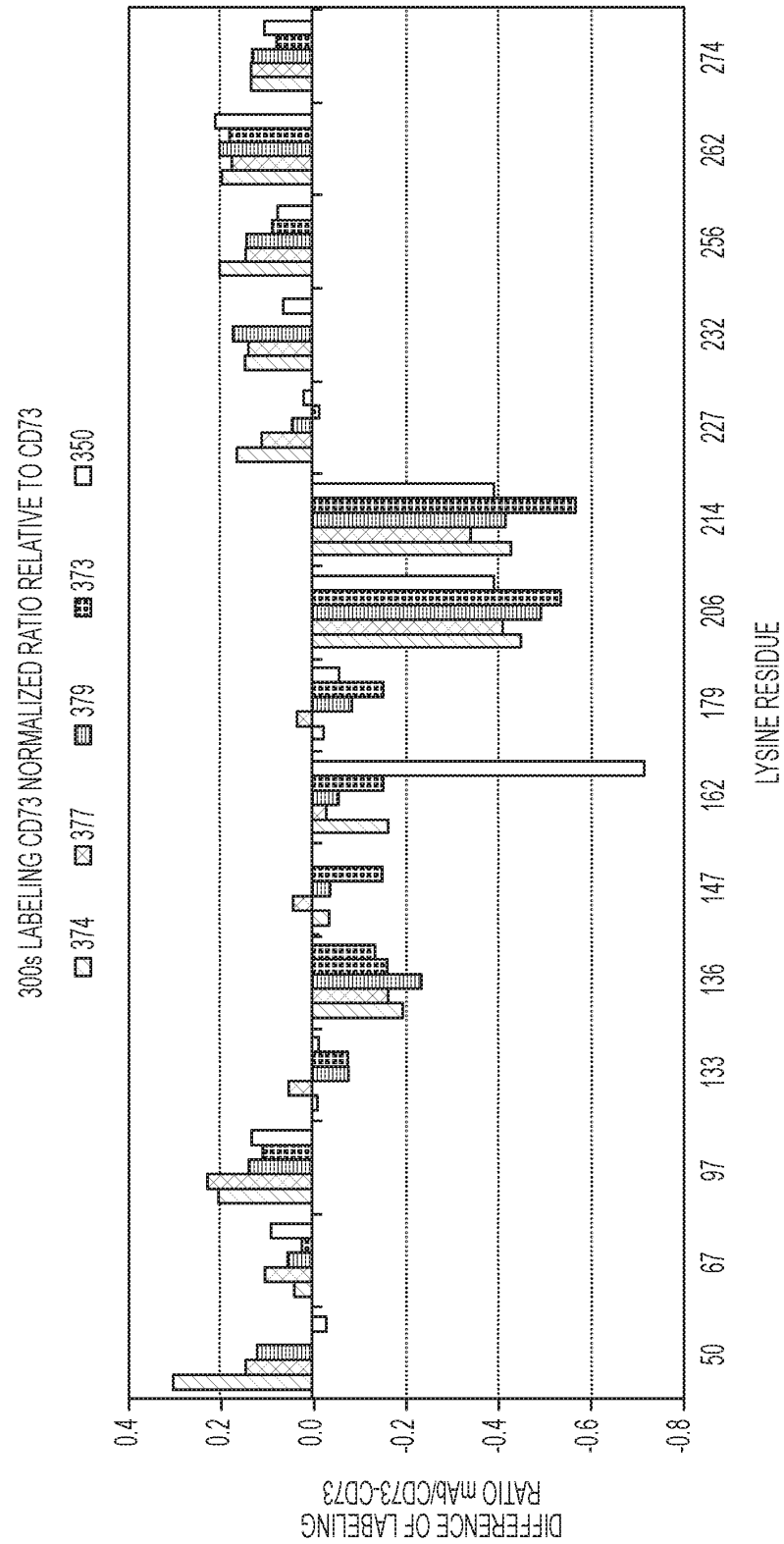


FIG. 28A

