

MKSGLWYFFLFCLRIKVL	TGE	INGS	ANYEM	IFHNGGVQILCKYPDIVQQFKMQLLKGGQ	60
ILCDLTKTKSGNTVSIKSLK	FCHSQL	SNNSV	SFFLYNLDHSHANYFCNL	SIFDPPPFK	120
VTLTGGYLHIYESQLCCQLKFWL	PIGCAAFV	VVCILGCILICWL	TKKYS	SSVHDPNGEY	180
MFMR	AVNTAKKSRLTDVTL	(SEQ ID NO:1)	199		

FIG.1

ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	177
GLYSLSSVT	VPSSSLGTQT	YICNVNHKPS	NTKVDKRVEP	KSCDKTHTCP	PCPAPELLGG	237
				D	D	
PSVFLFPPKP	KDTLMISRTP	EVTGVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	297
D		E D EG				
STYRWVSILT	VLHQDWLNGK	EYCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	VYTLPPSREE	357
		F R				
MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	LDSDGSFFLY	SKLTVDKSRW	417
QQGNVFSCSV	MHEALHNHYT	QKSLSLSPG				446

FIG.2

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FR CDR1 FR2 CDR2

* * *

VKI 018 DIQMTQSPSSLSASVGDRVTITC QASQDISNYLN WYQQKPGKAPKLLIY DASNLETC398.4A VL DIQMTQSPSSLPASLGDRVTINC QASQDISNYLS WYQQKPGKAPKLLIY YTNLLADICOS.33 IgG1f S267E VL DIQMTQSPSSLSASVGDRVTITC QASQDISNYLS WYQQKPGKAPKLLIY YTNLLAE

56

FR3 CDR3 FR4

* ** ** *

VKI 018 GVPSRFSGSGSGTDFTFTISSLQPEDIATYYC QQYDNLPC398.4A VL GVPSRFSGSGSGRDYSFTISSLESEDIGSYIC QQYYNYRT FGPGTKLEIK

JK3

FT FGPGTKVDIKICOS.33 IgG1f S267E VL GVPSRFSGSGSGTDFTFTISSLQPEDIATYYC QQYYNYRT FGPGTKVDIK

57

FR1 CDR1 FR2

* * * *

VH3-15 EVQLVESGGGLVKPGSLRLSCAASGFTFS NAWMS WVRQAPGKGLEWVGC398.4A VH EVQLVESGGGLVKPAGSLTLSCVASGFTFS DYFMH WVRQAPGKGLEWVAICOS.33 IgG1f S267E VH EVQLVESGGGLVKPGSLRLSCAASGFTFS DYFMH WVRQAPGKGLEWVG

CDR2 FR3 94 CDR3

* **** * *

VH3-15 RIKSKTDGGTTDYAAPVKG RFTISRDDSKNTLYLQMNSLKTEDAVYYCTTC398.4A VH VIDTKSFNYATYYSDLVKG RFTVSRDDSQGMVYLQMNNLRKEDTATYYCTA TIAVPYYFDYICOS.33 IgG1f S267E VH VIDTKSFNYATYYSDLVKG RFTISRDDSKNTLYLQMNSLKTEDAVYYCTA TIAVPYYFDY

FR4

*

C398.4A VH WCQGTMVTVSSJH4 YFDY WCQGTLVTVSSICOS.33 IgG1f S267E VH WCQGTLVTVSS

FIG.3

EVQLVESGGGLVKPGGSLRLSCAASGFTFSDYFMHWVRQAPGKGLEWVG
CDR1

VIDTKSFNYATYYSDLVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYC
CDR2

TATIAVPYYFDYWGQGLTVVSS (SEQ ID NO:5)
CDR3

DIQMTQSPSSLSASVGDRTITTCQASQDISNYLSWYQQKPGKAPKLLIY
CDR1

YTNLLAEGVPSRFSGSGTDFITFTISLQPEDIATYYCQQYNNYRTFG
CDR2 CDR3

PGTKVDIK (SEQ ID NO:6)

FIG.4

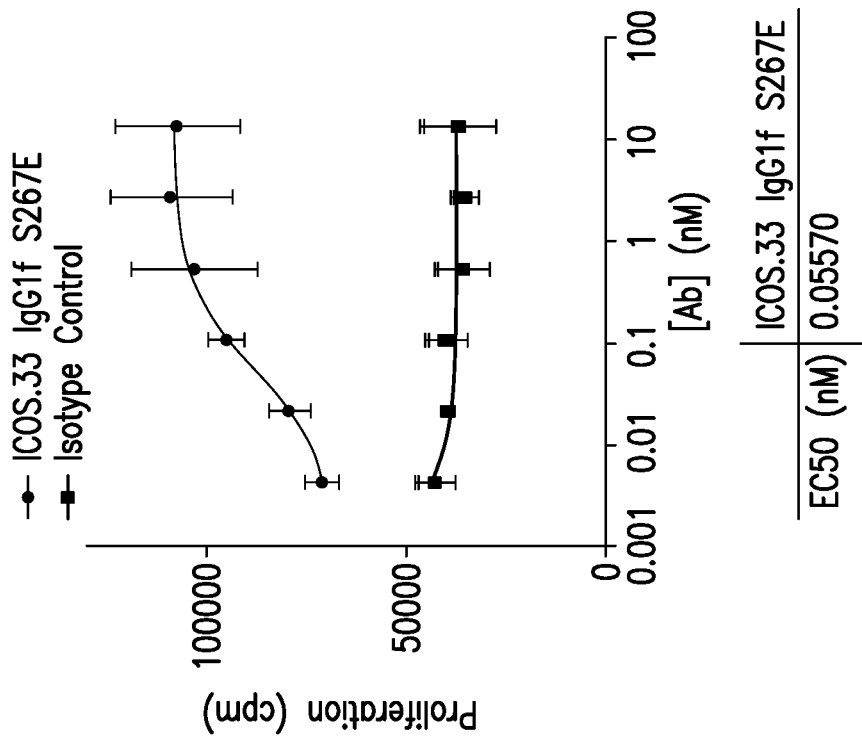


FIG.5B

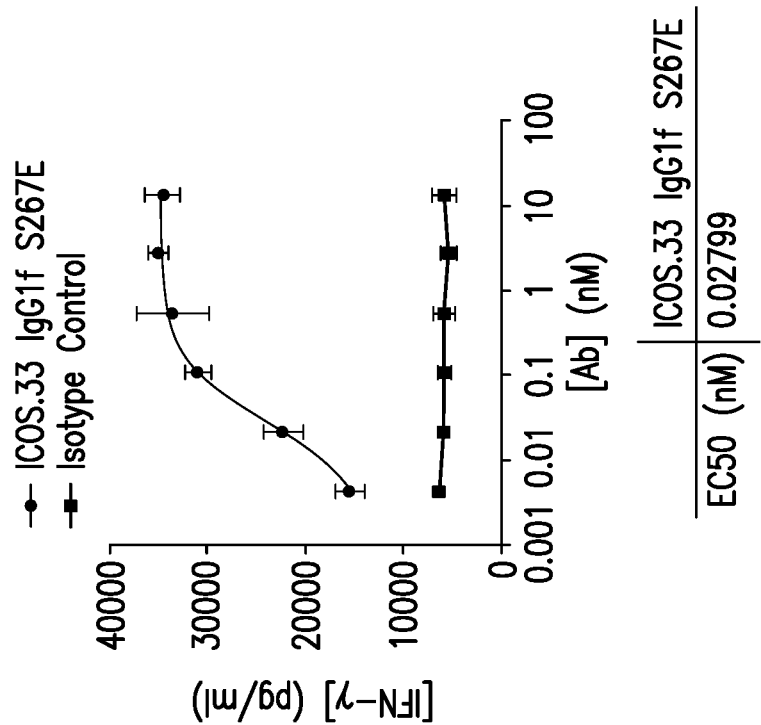


FIG.5A

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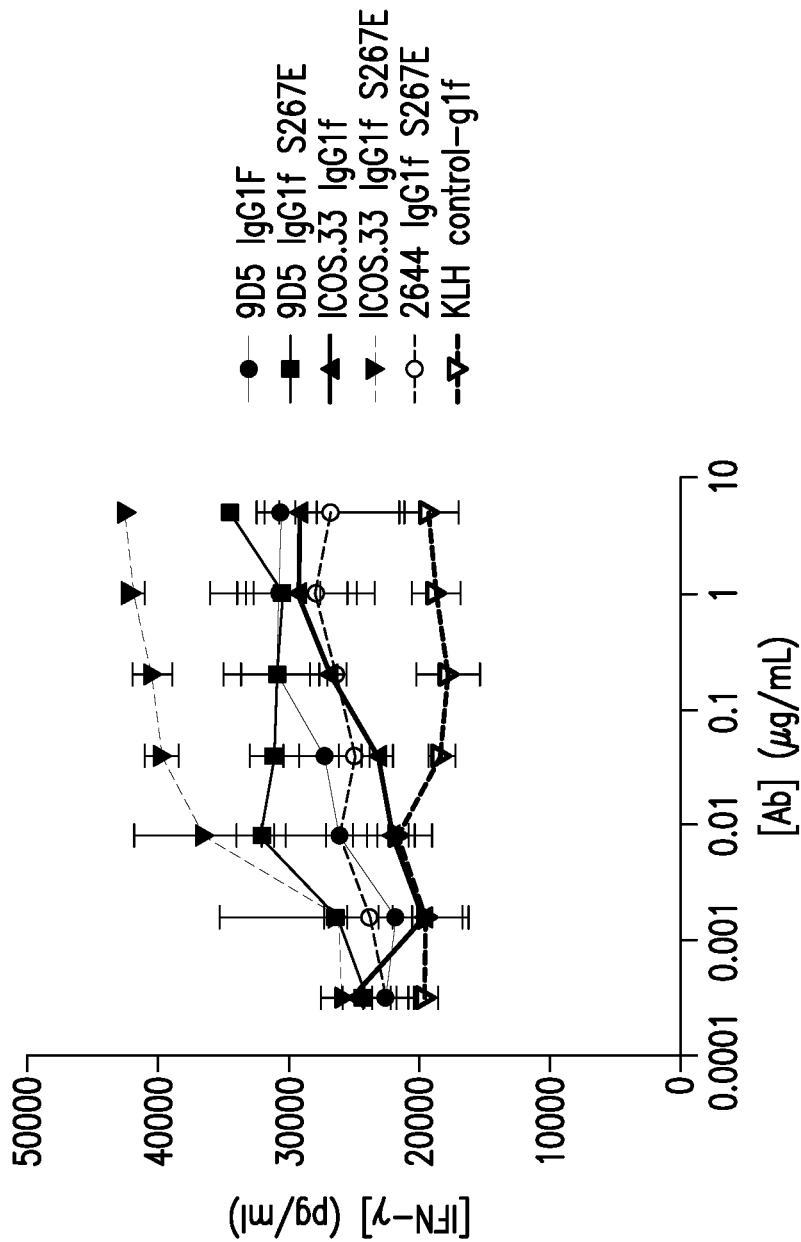


FIG.6

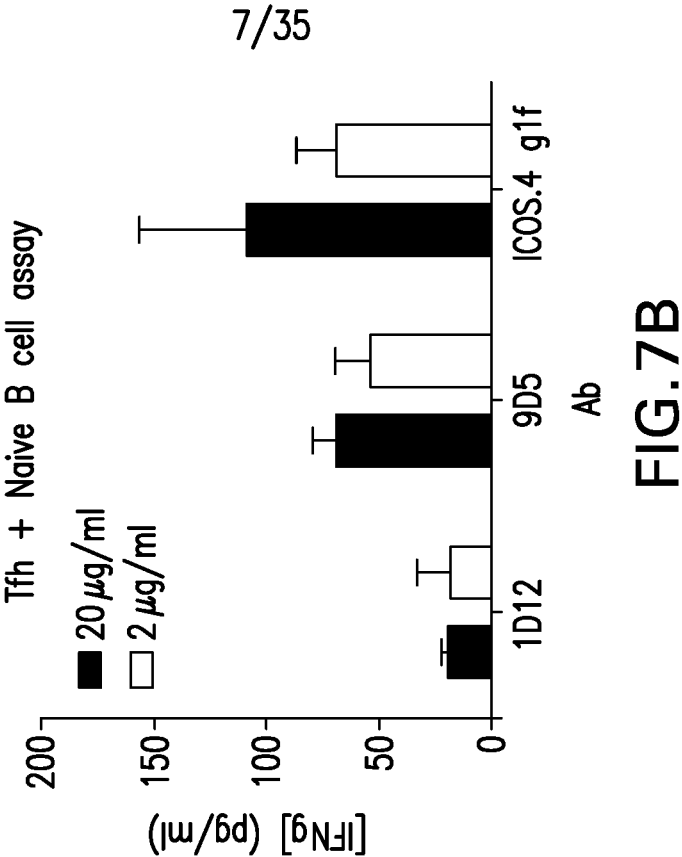


FIG.7B

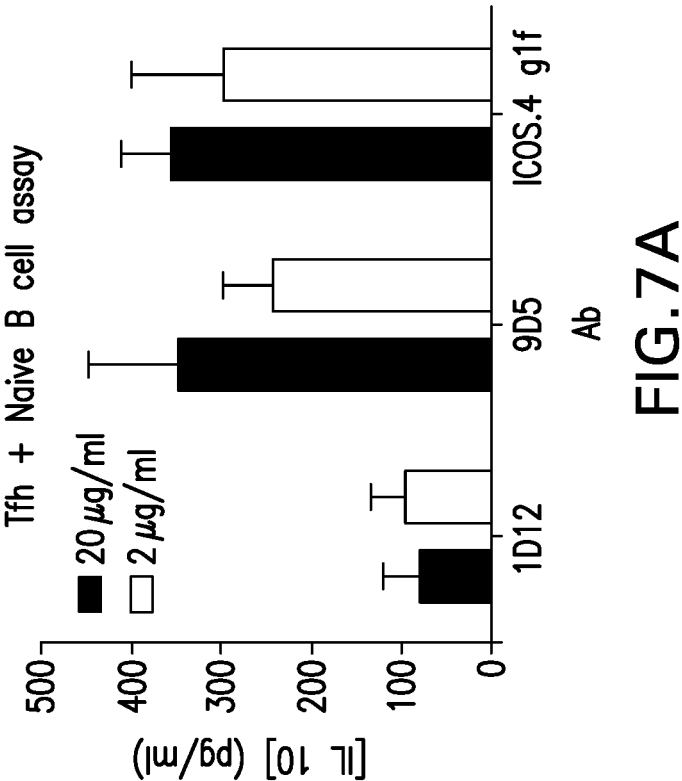


FIG.7A

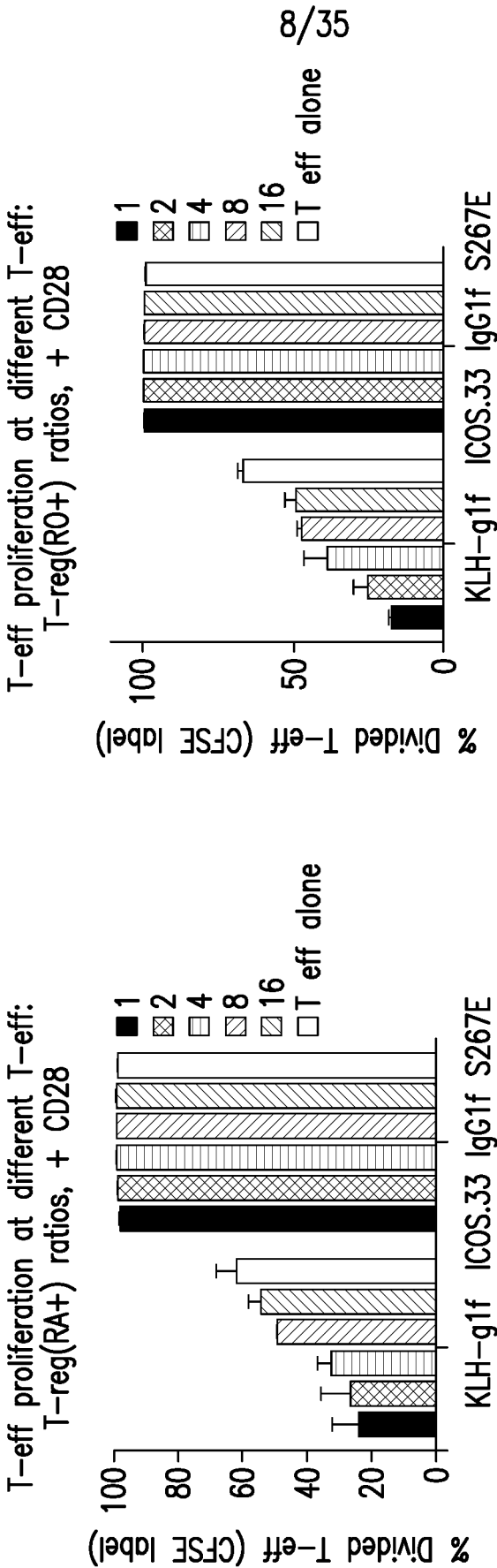


FIG.8A

FIG.8B

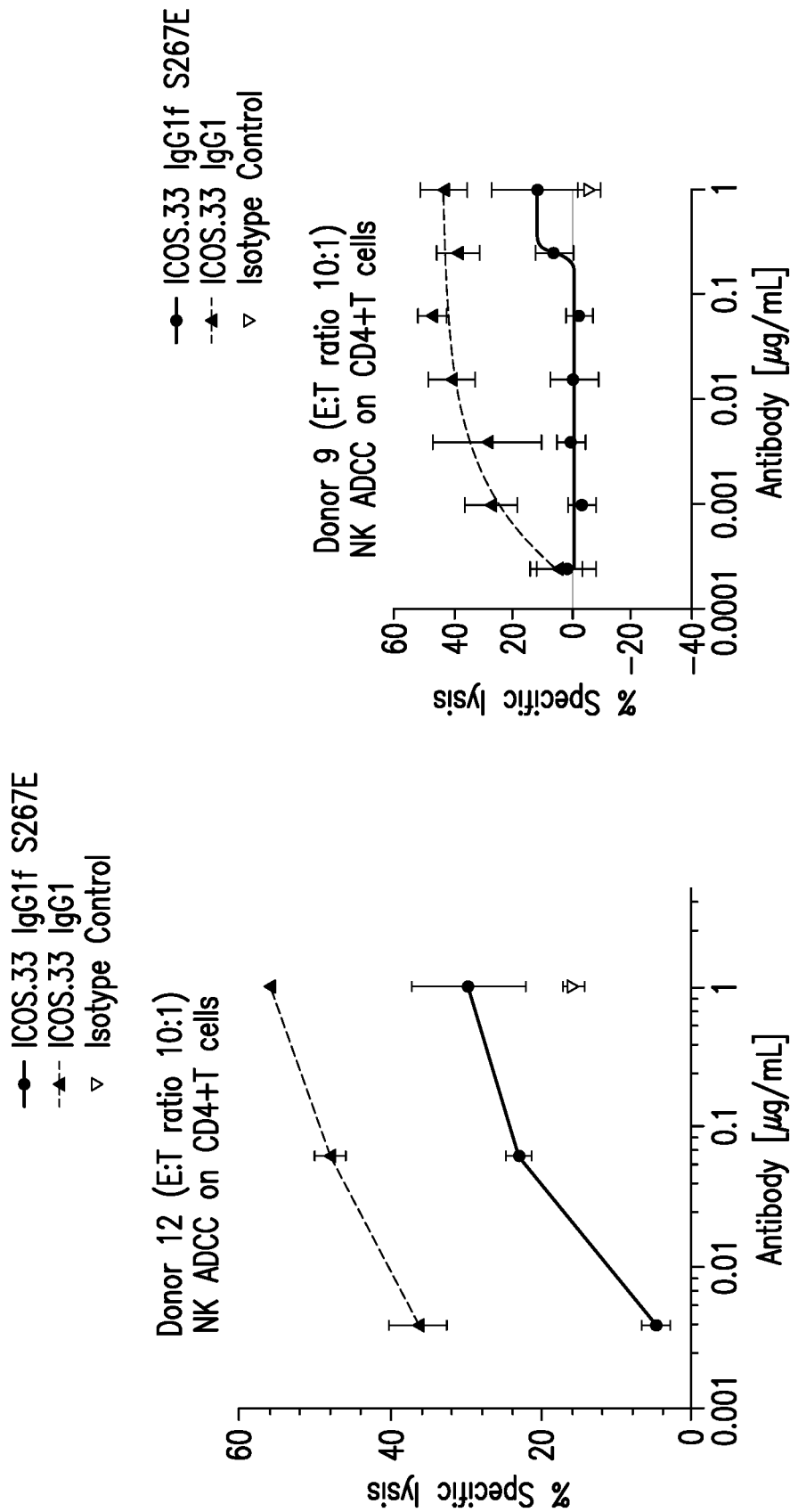


FIG.9A

FIG.9B

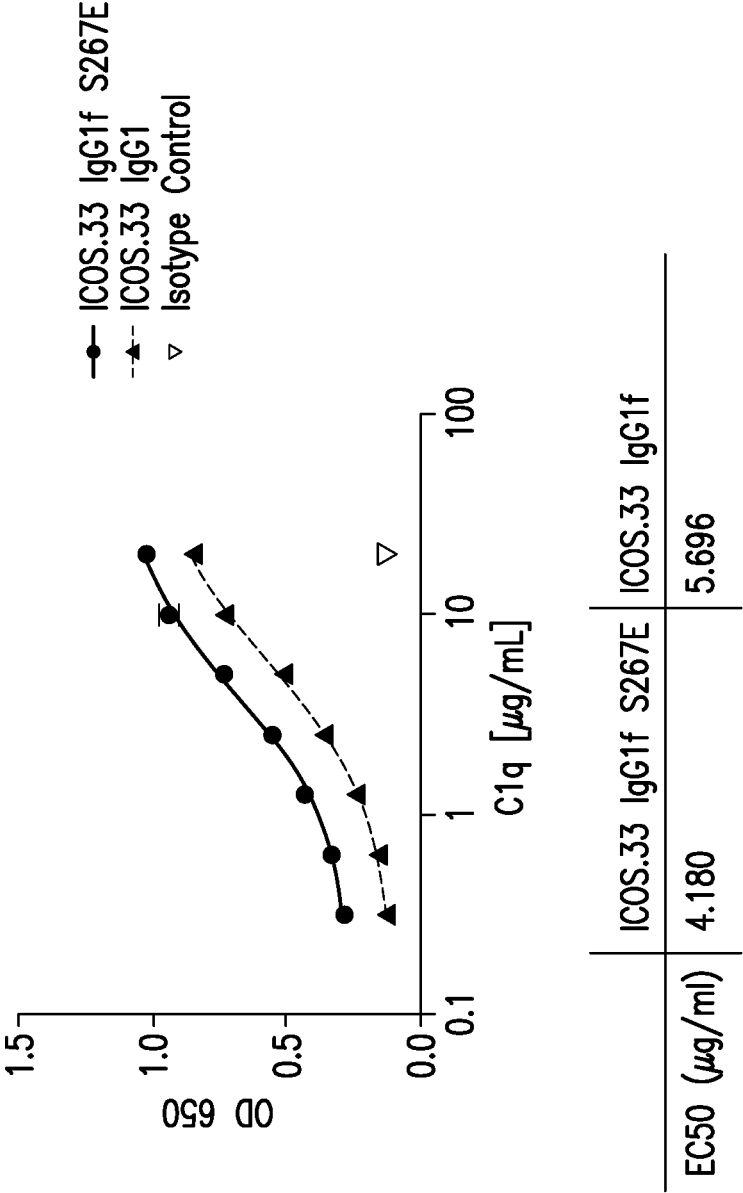
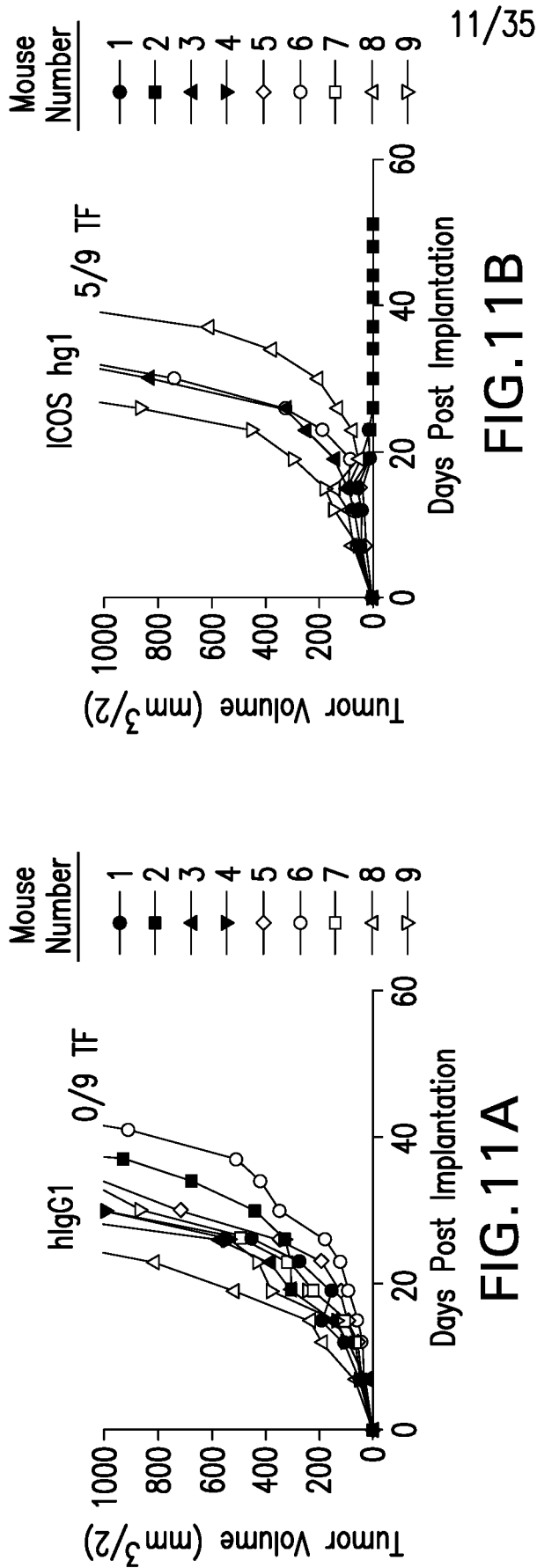
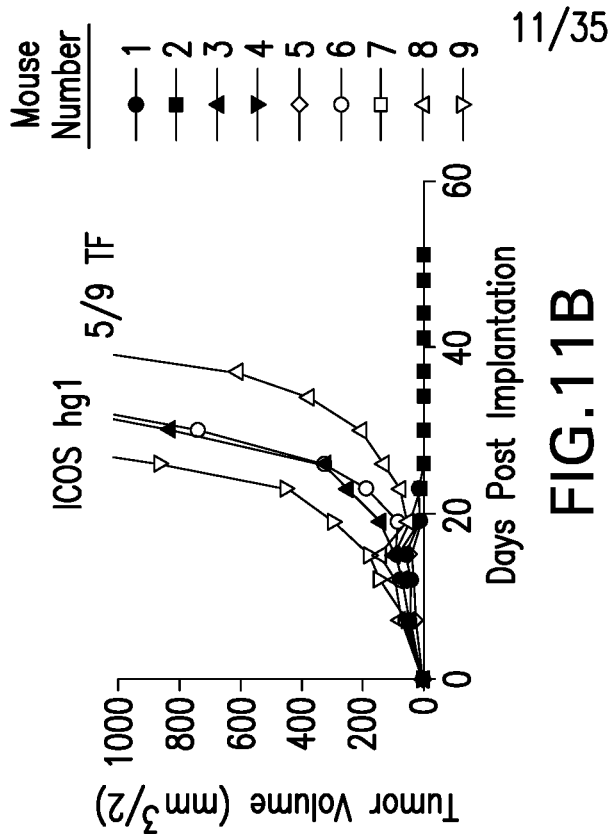
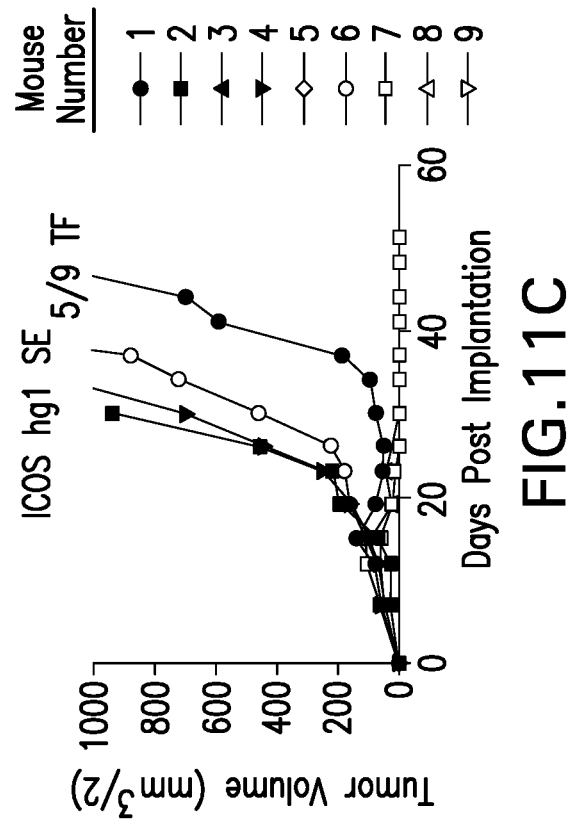


FIG.10



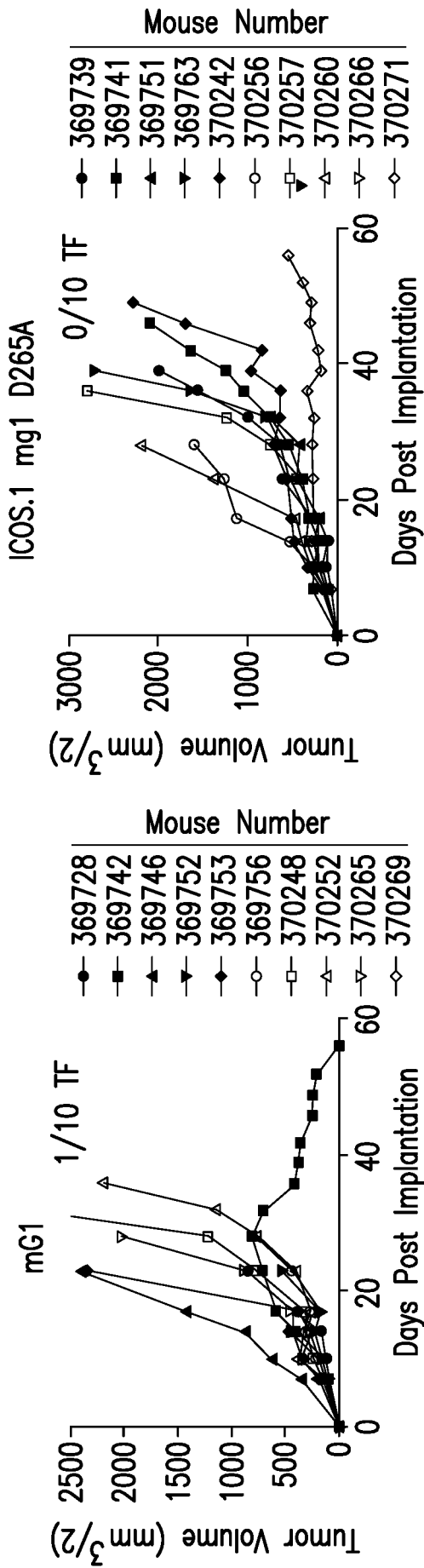


FIG. 12B

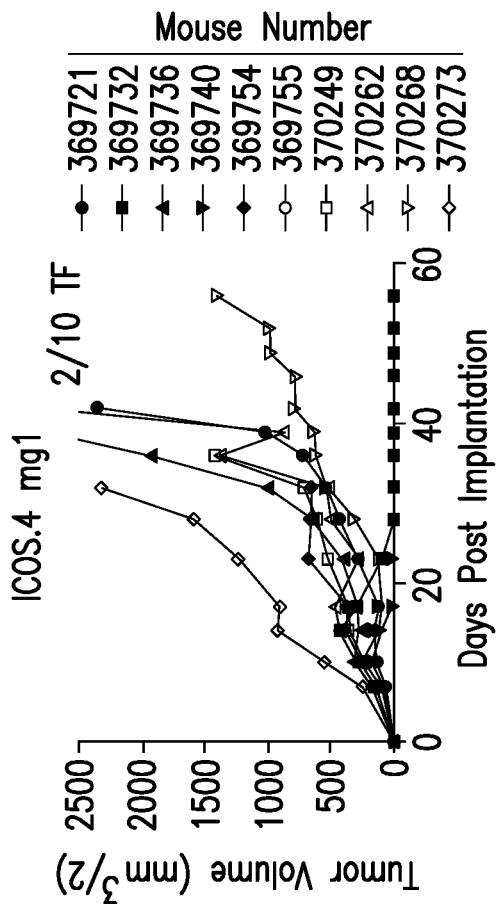


FIG. 12C

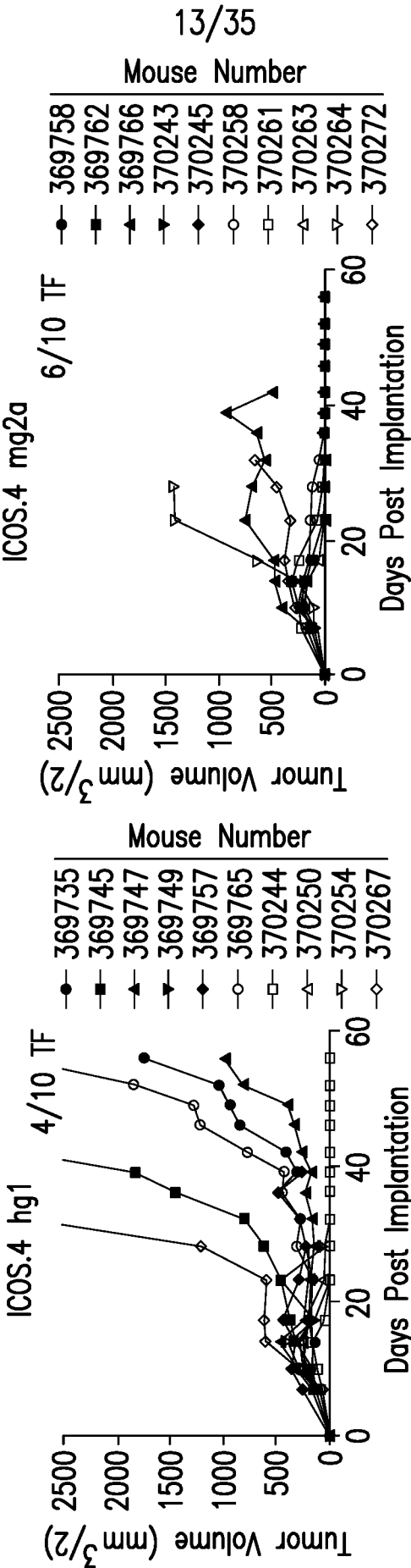


FIG. 12D

FIG. 12E

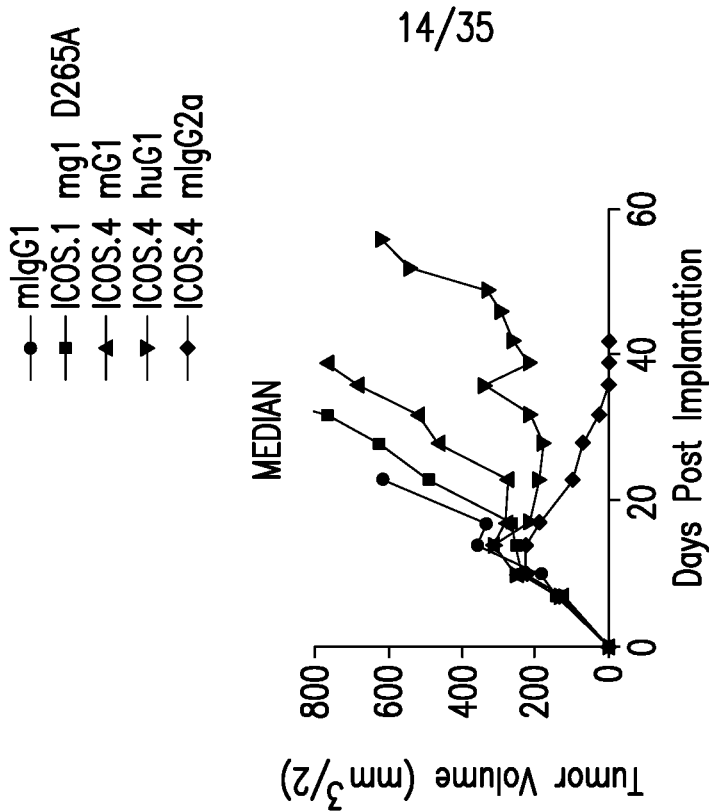


FIG.13B

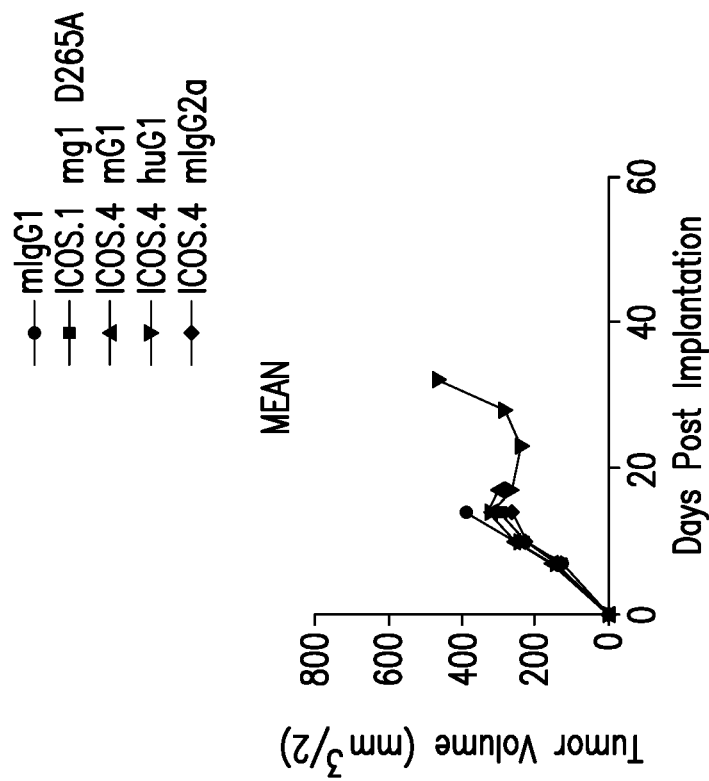


FIG.13A

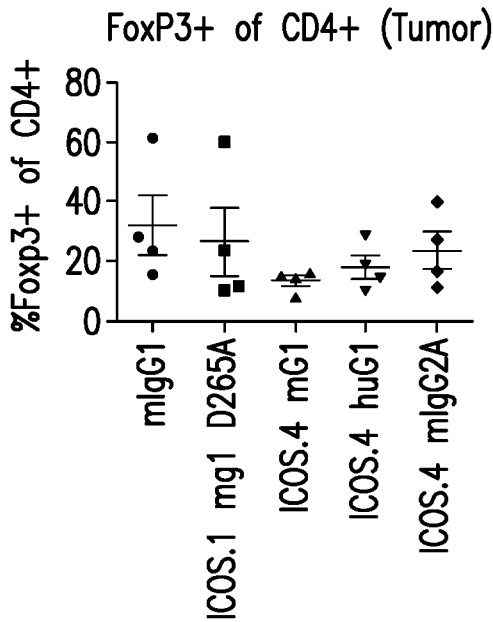


FIG.14A

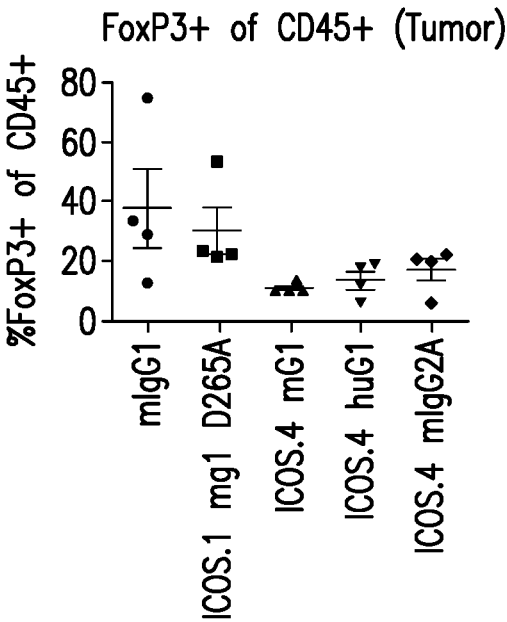


FIG.14B

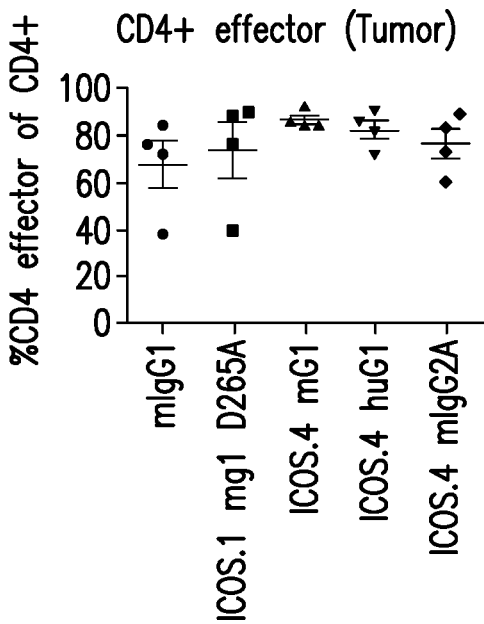


FIG.14C

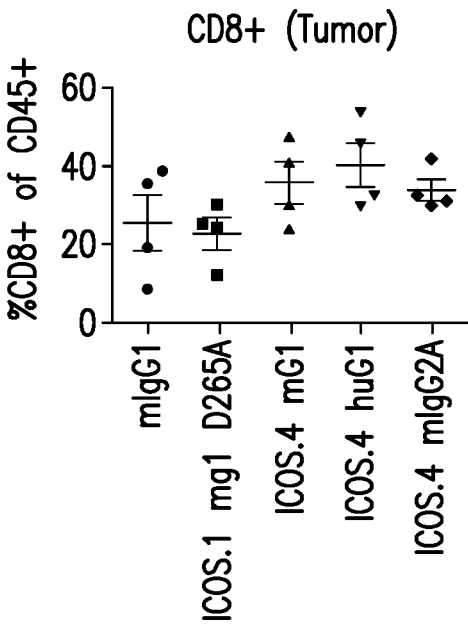


FIG.14D

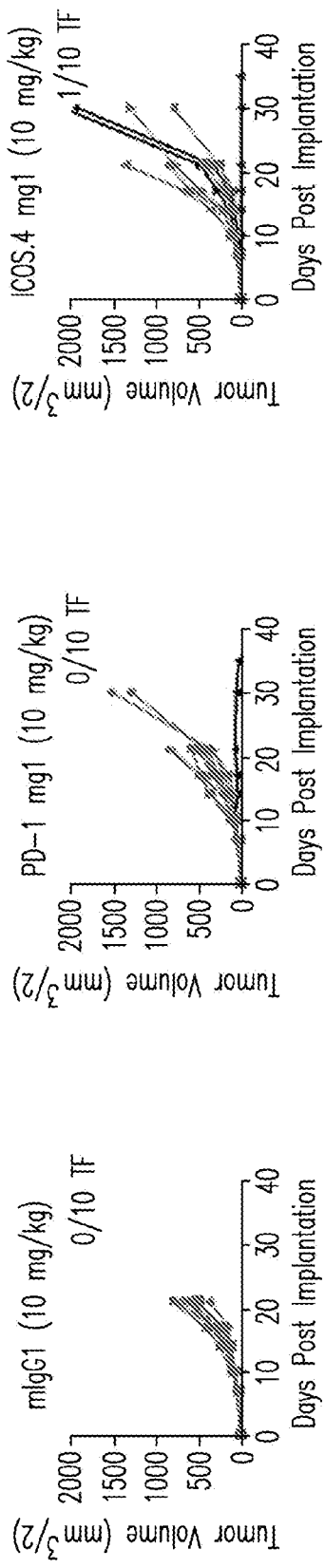


FIG. 15A

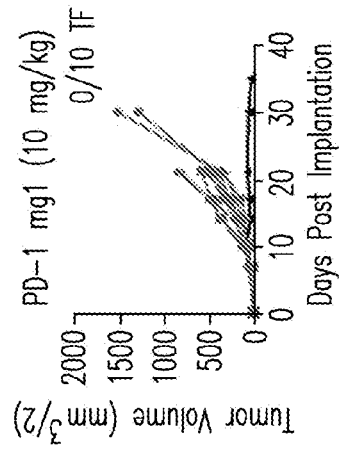


FIG. 15B

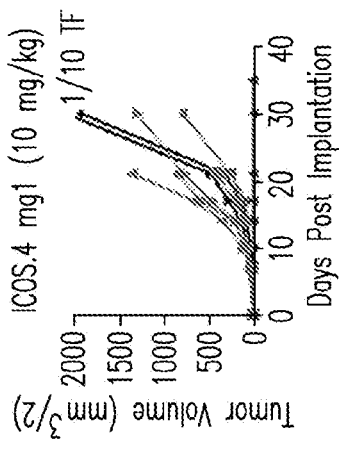


FIG. 15C

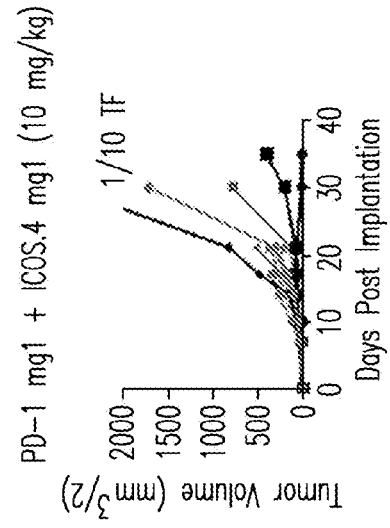


FIG. 15D

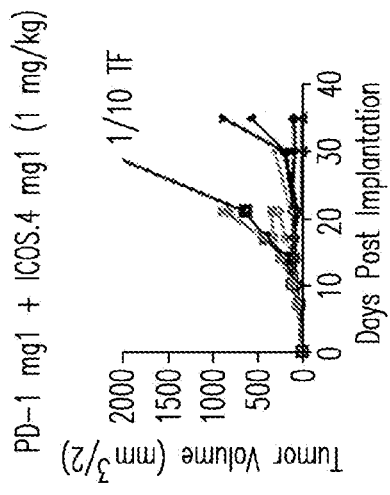


FIG. 15E

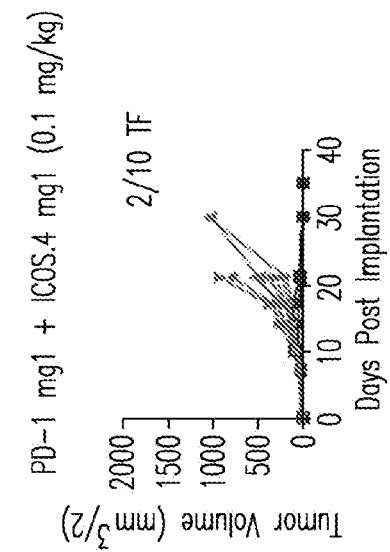


FIG. 15F

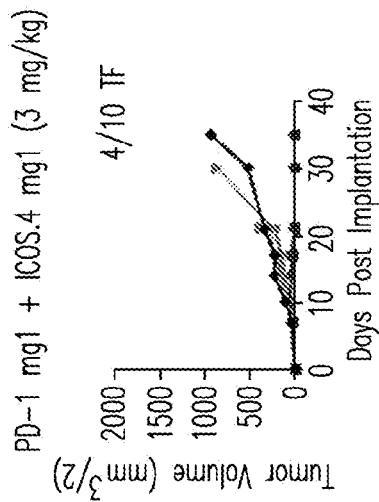


FIG.15H

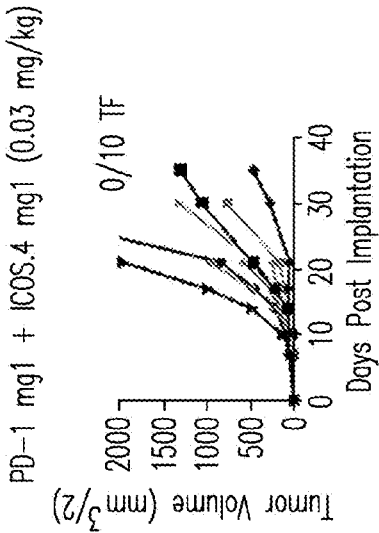


FIG.15J

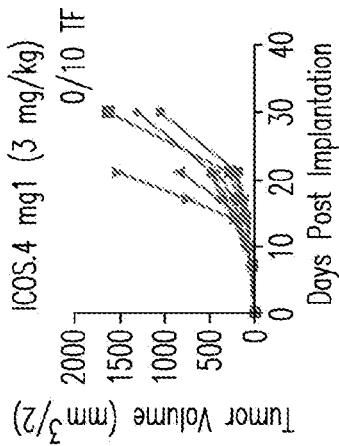


FIG.15G

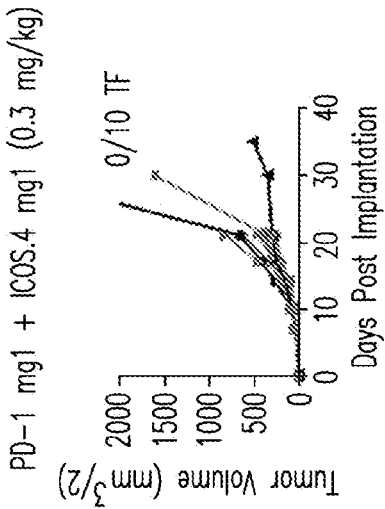


FIG.15I

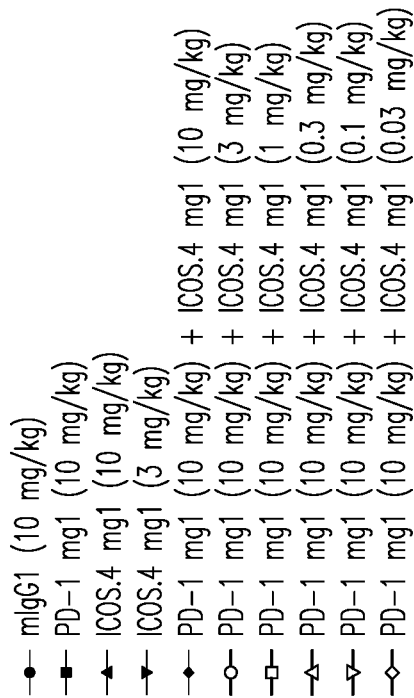
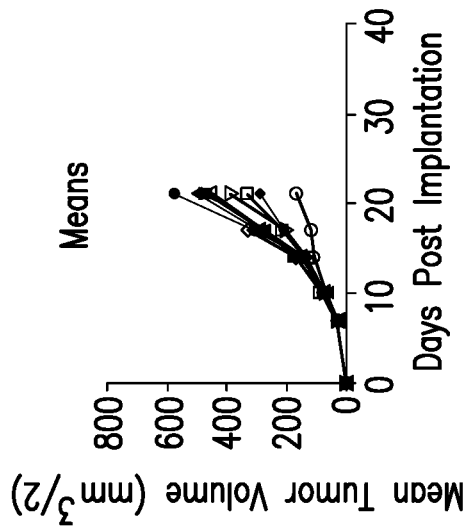


FIG.16A

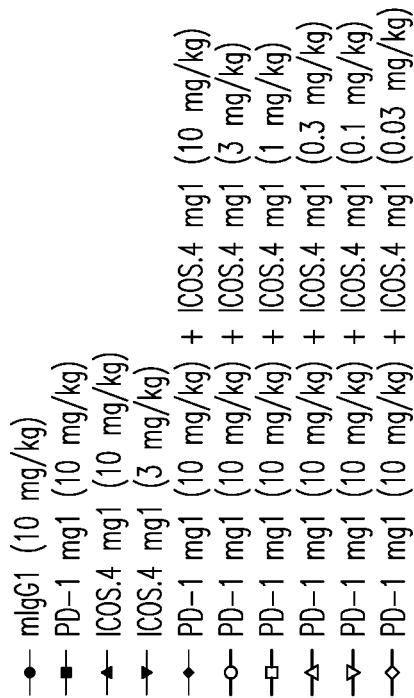
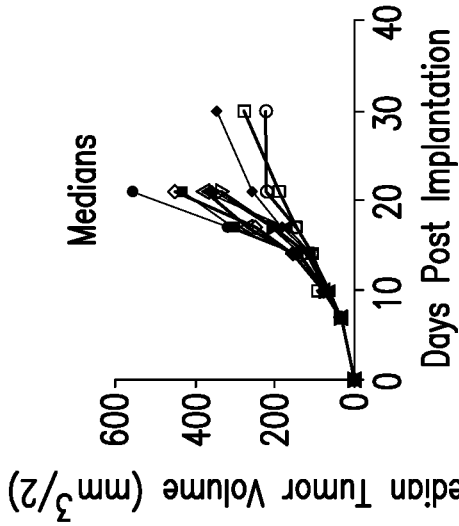
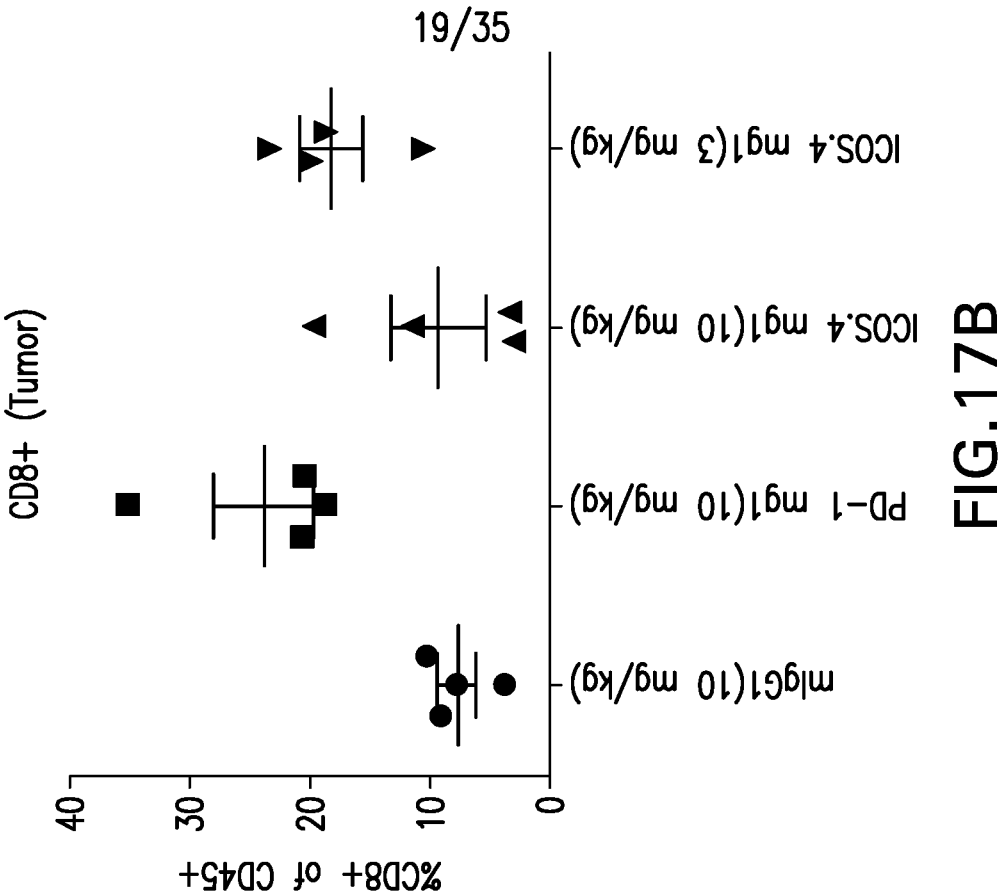
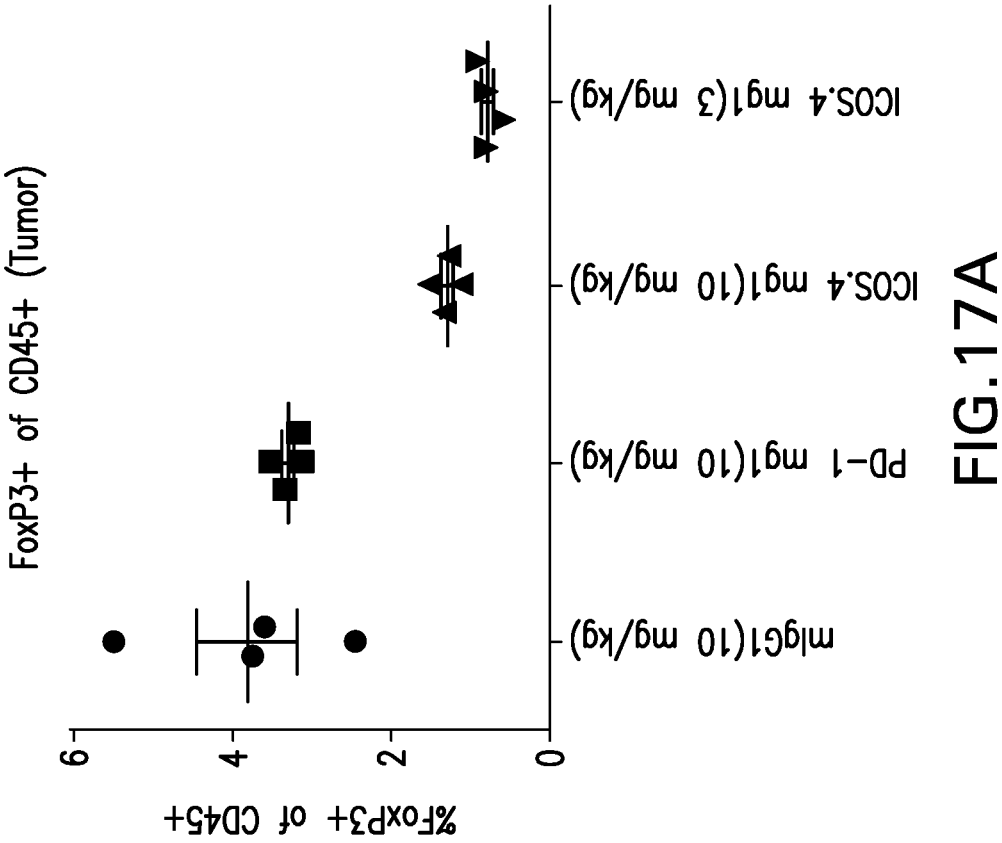
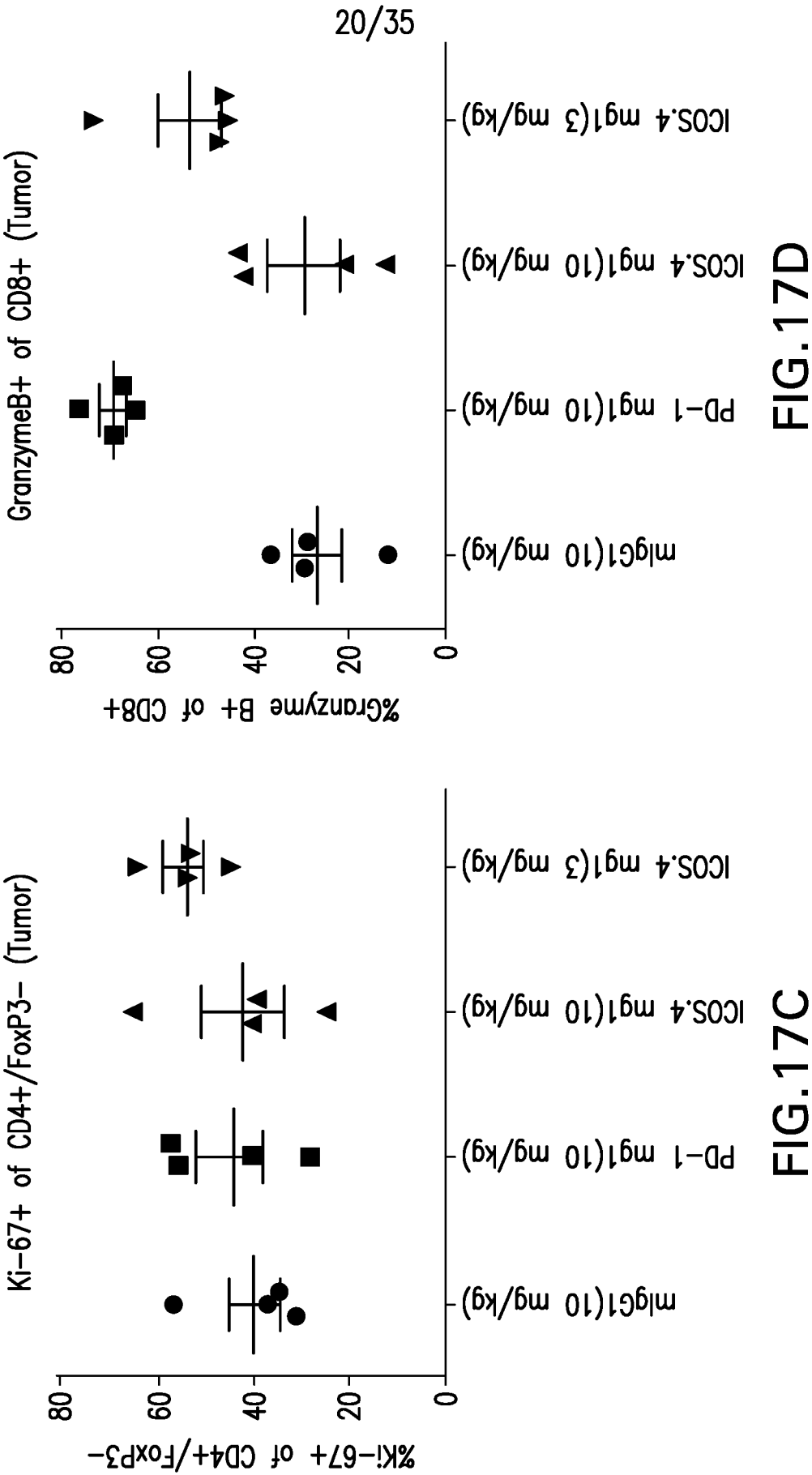
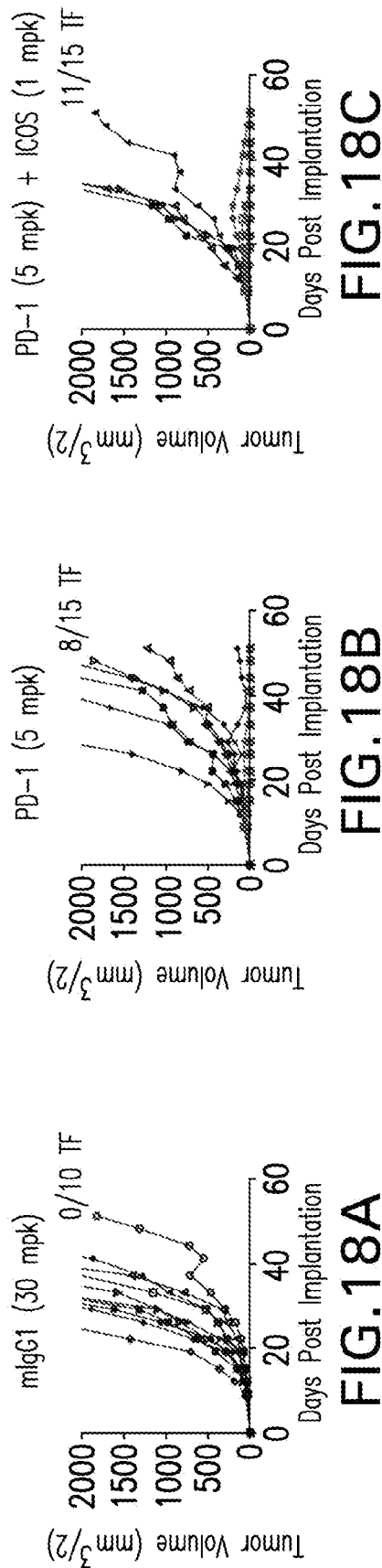
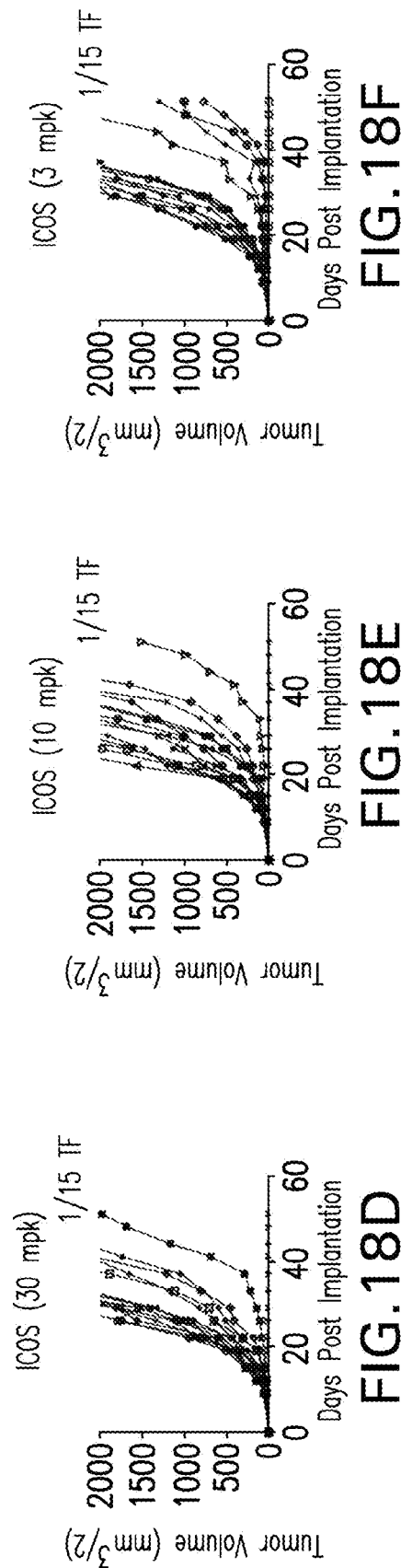
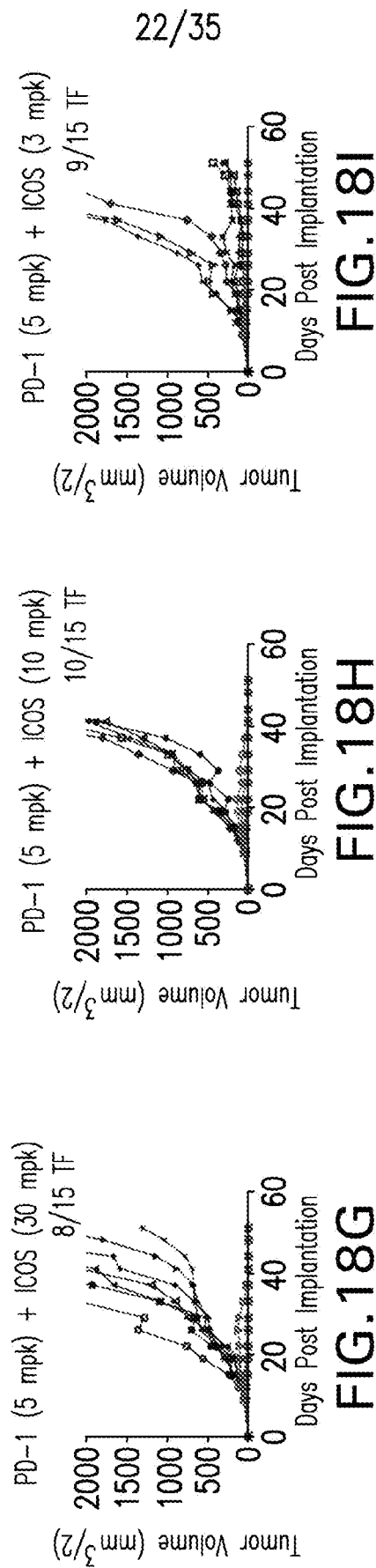


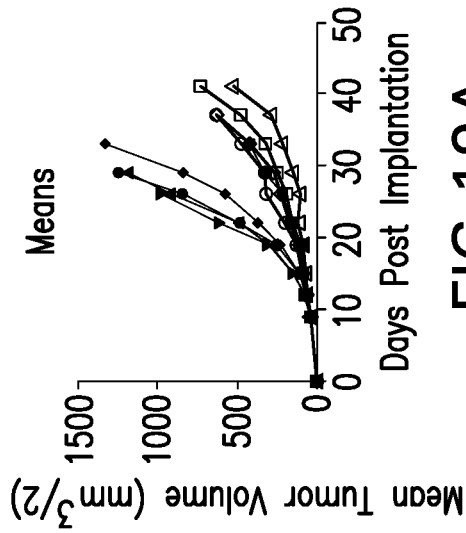
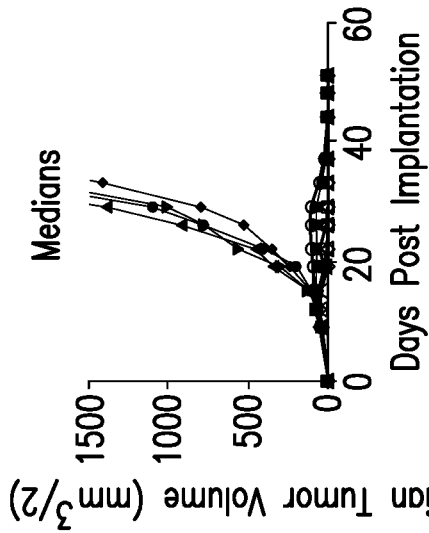
FIG.16B











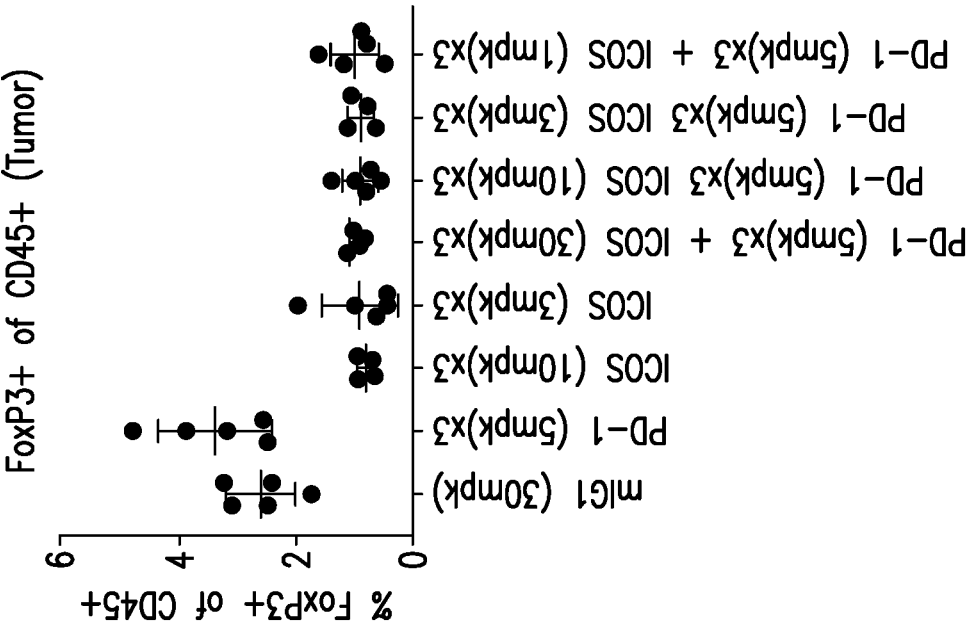


FIG.20B

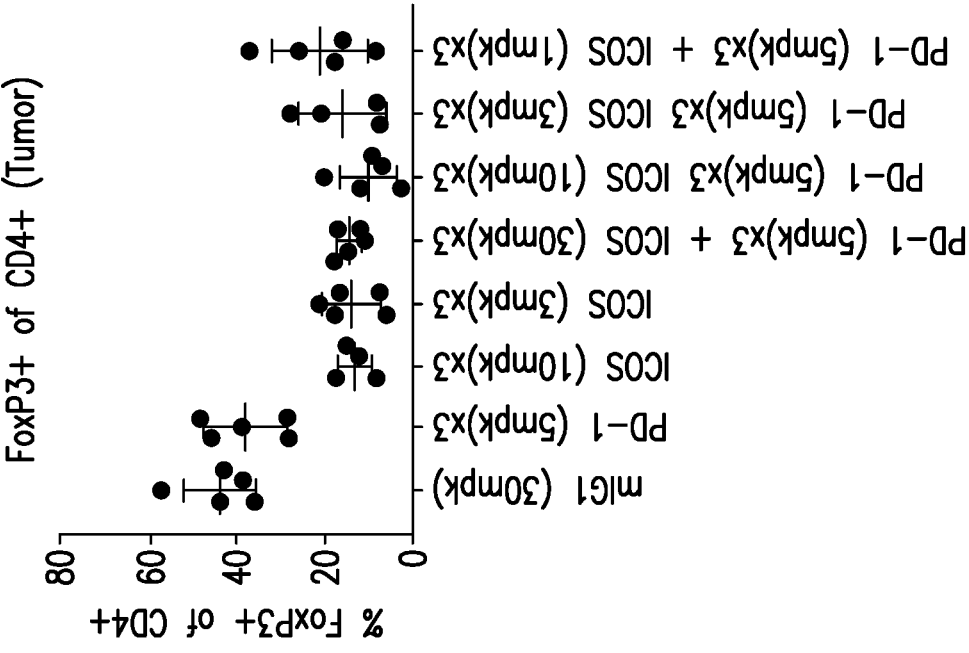


FIG.20A

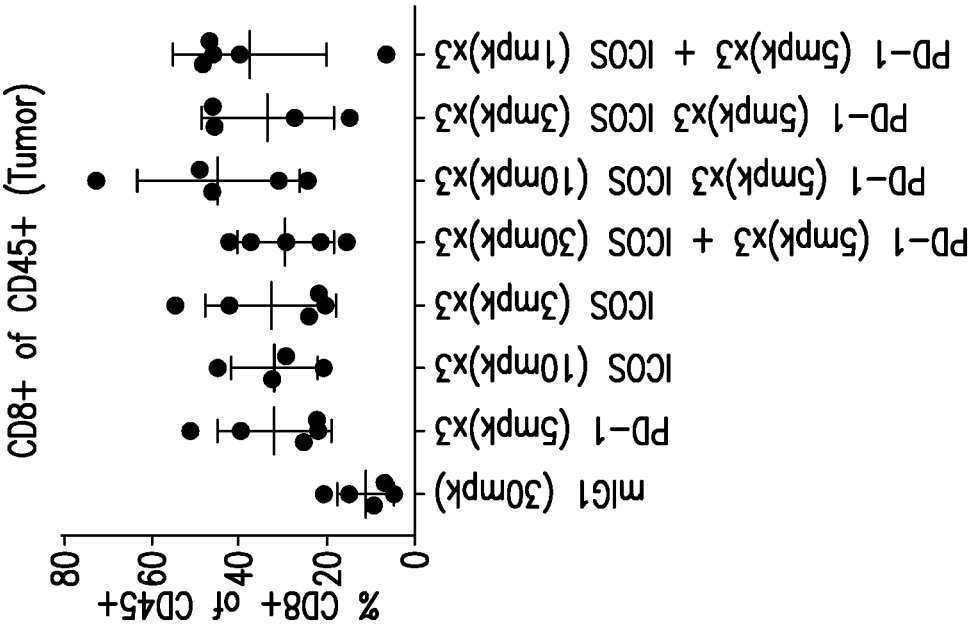


FIG. 20D

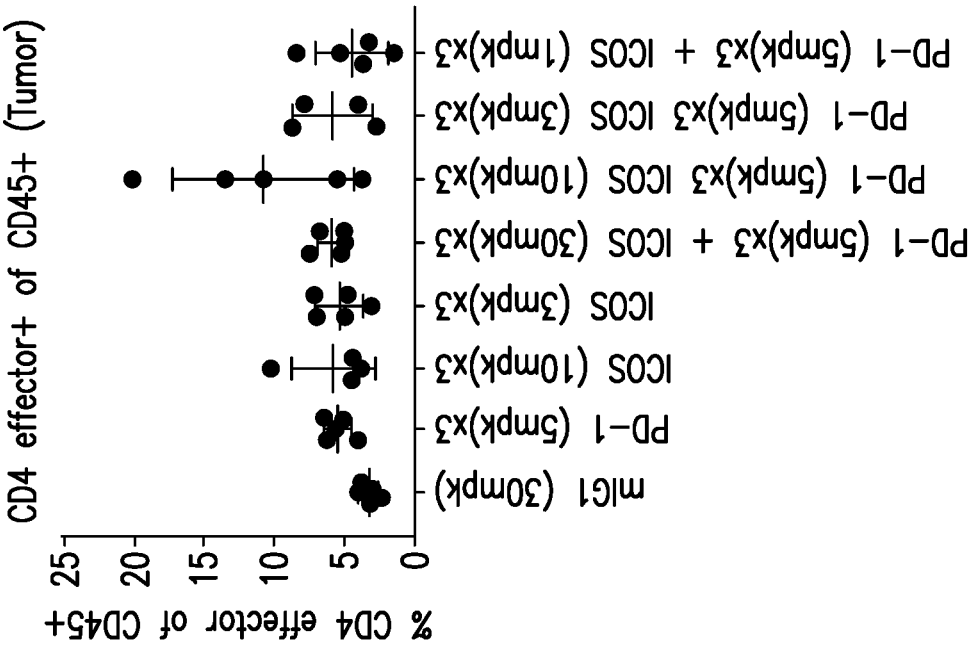


FIG. 20C

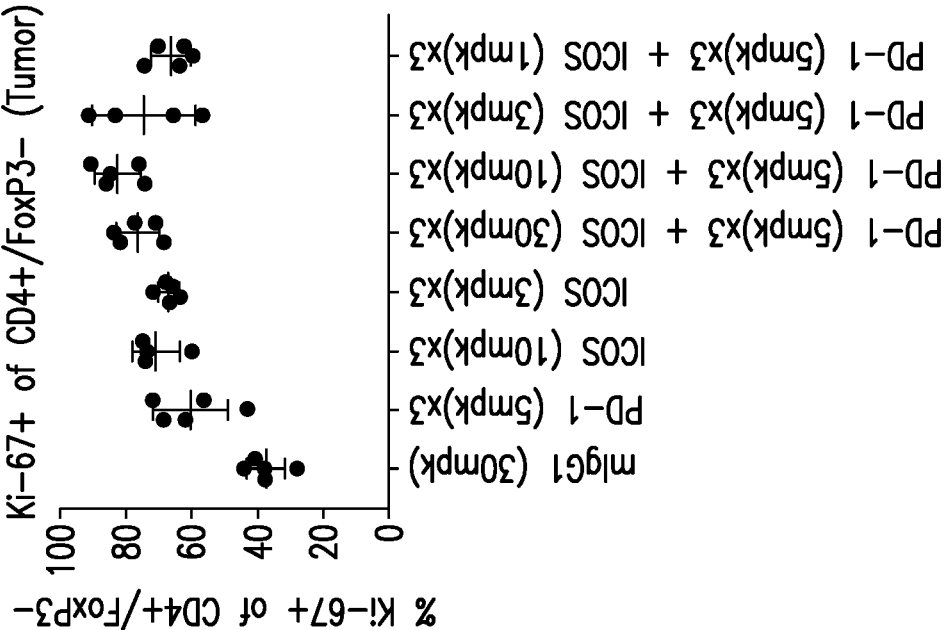


FIG.21B

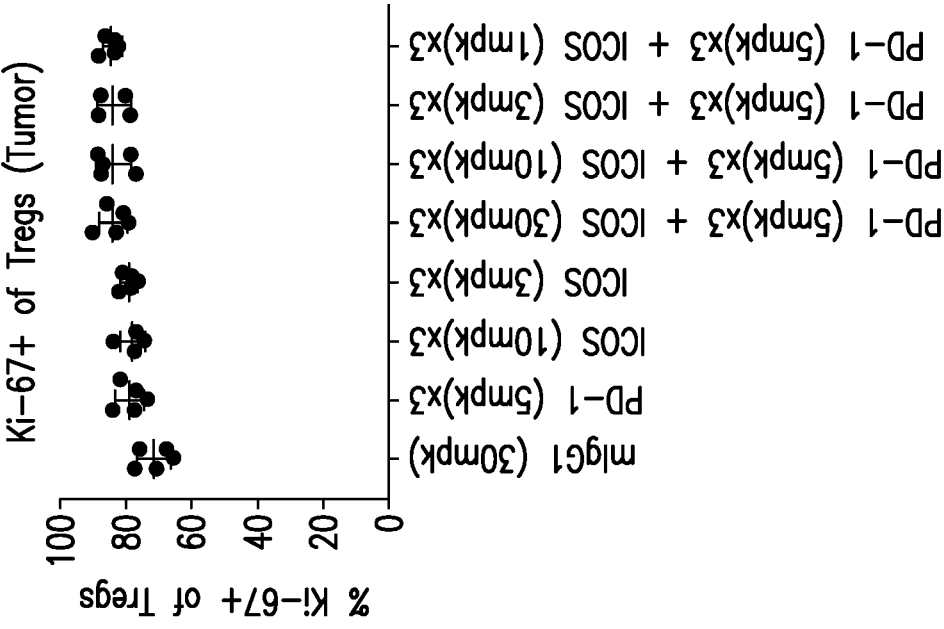


FIG.21A

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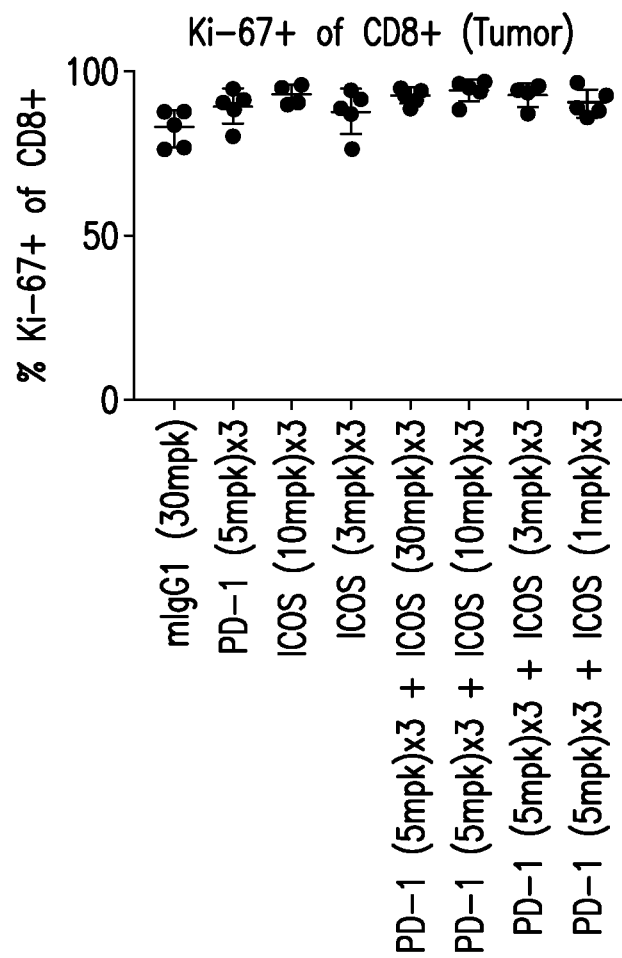


FIG.21C

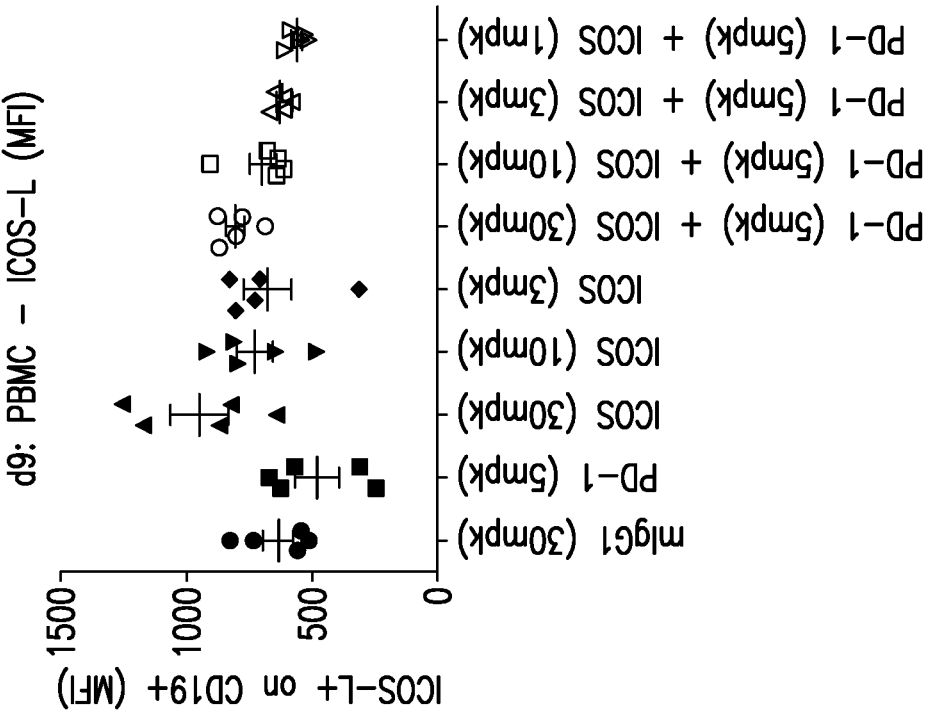


FIG.22A

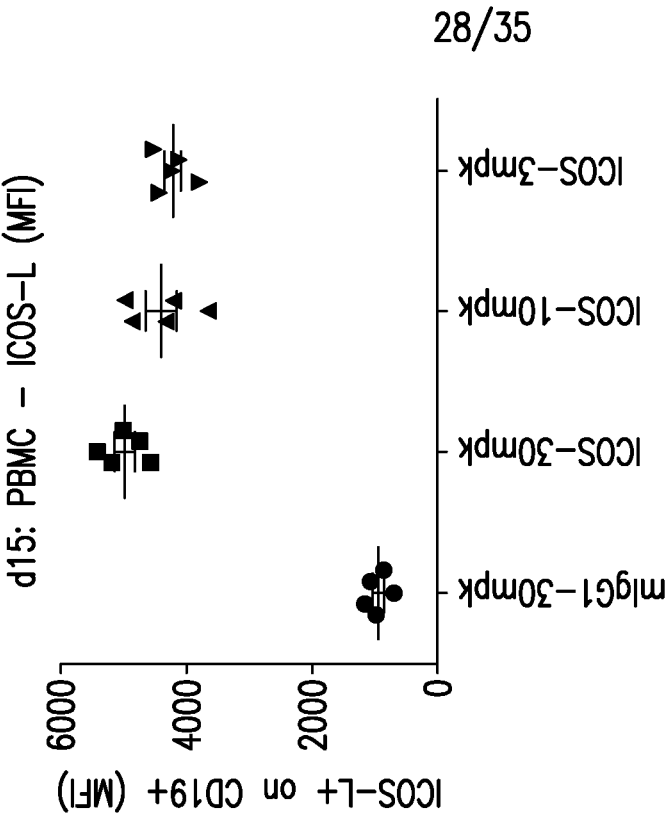


FIG.22B

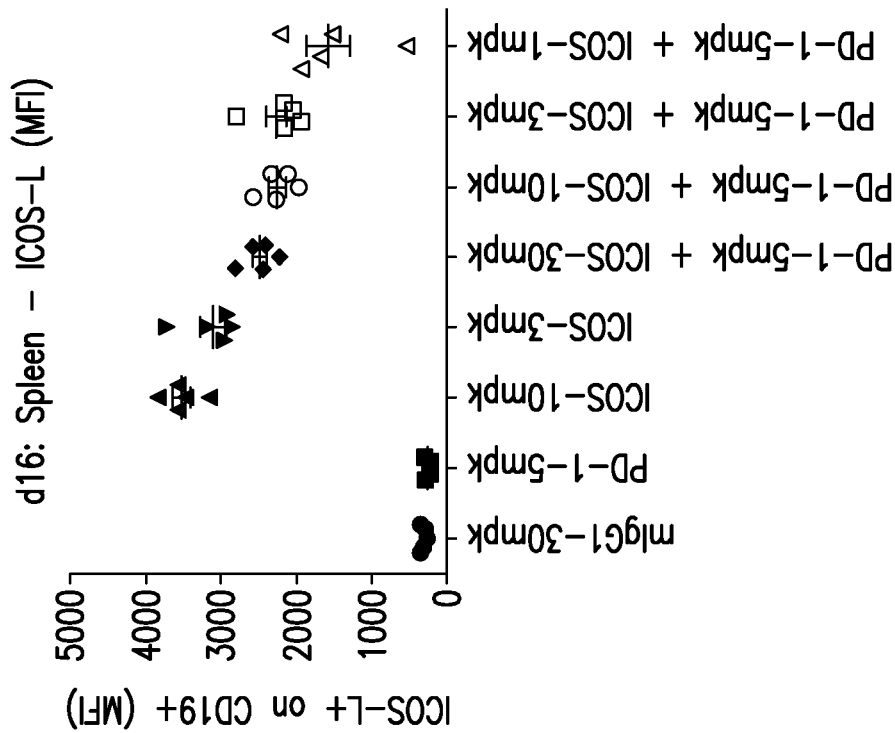


FIG.22D

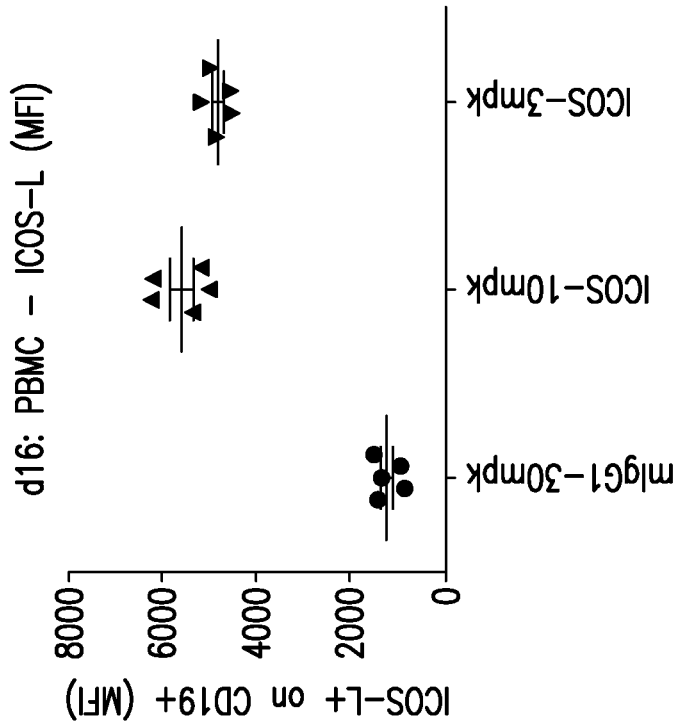


FIG.22C

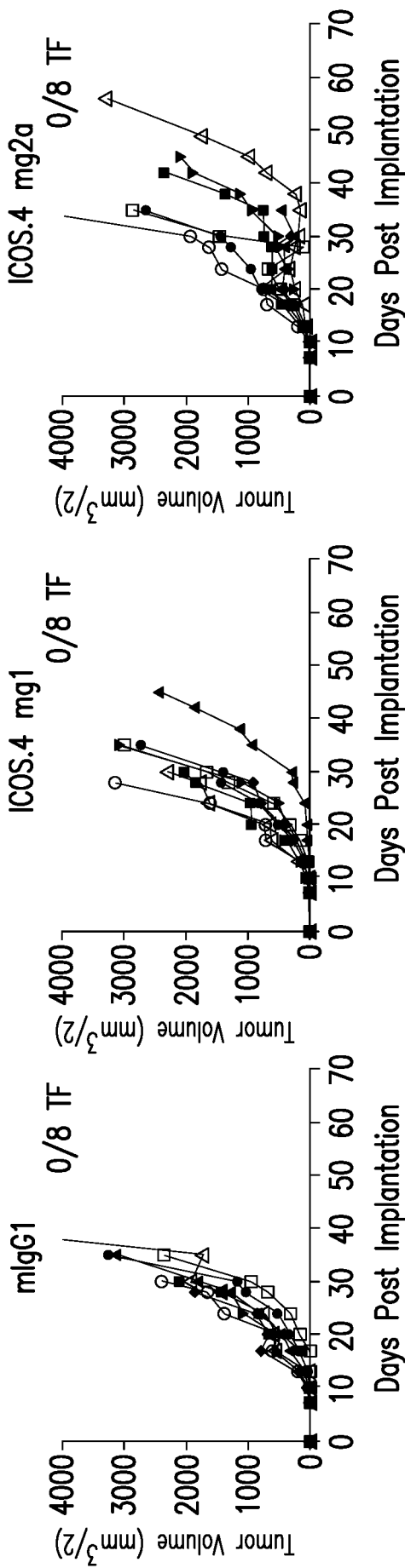


FIG.23A

FIG.23B

FIG.23C

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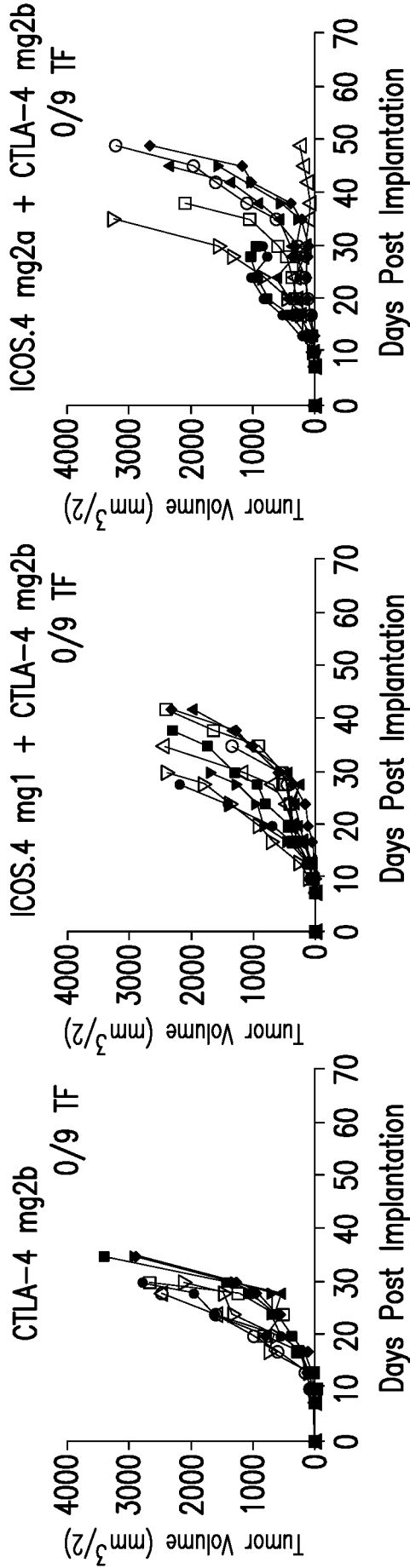


FIG.23D

FIG.23E

FIG.23F

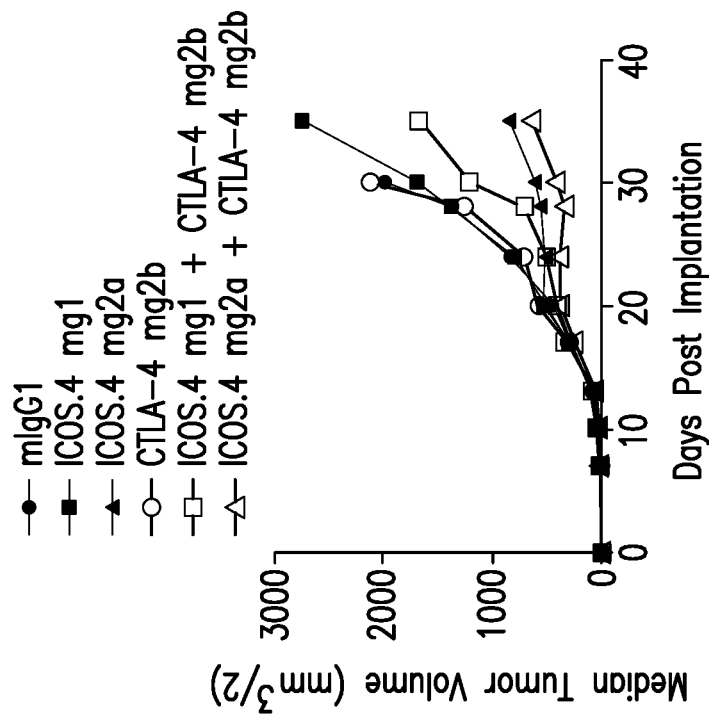


FIG.24B

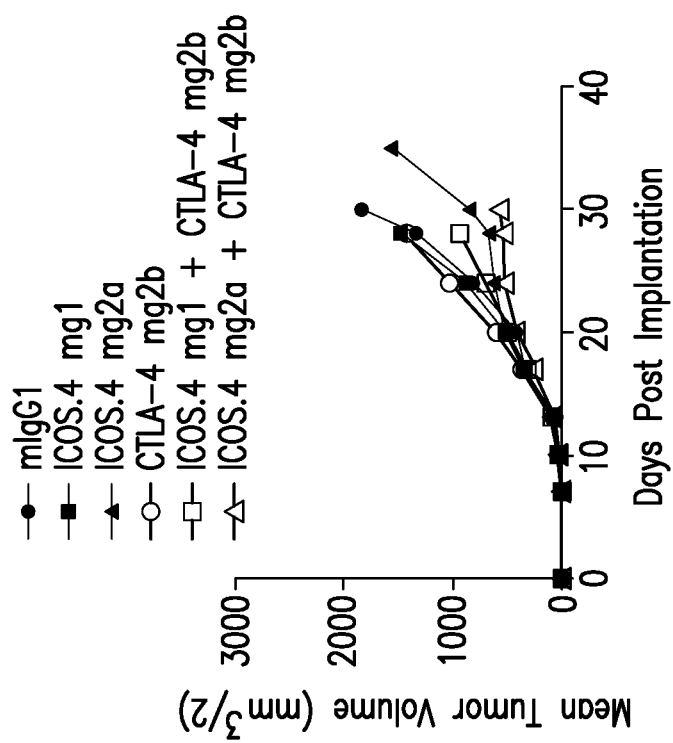


FIG.24A

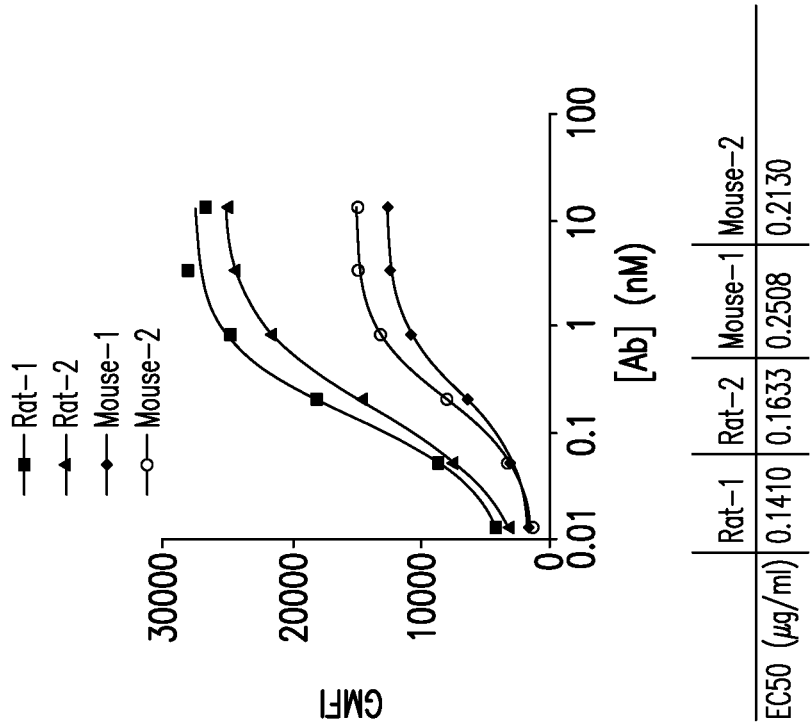


FIG.25B

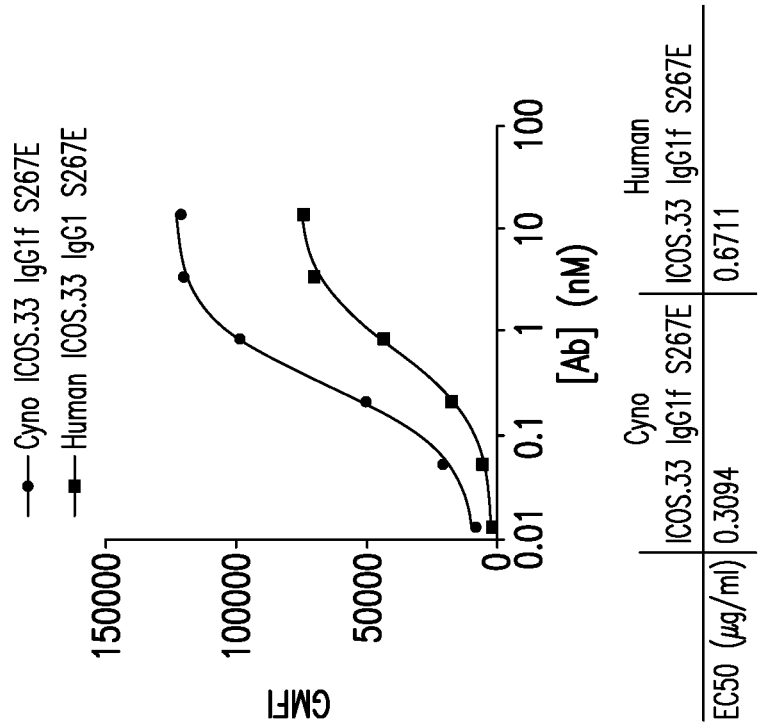


FIG.25A

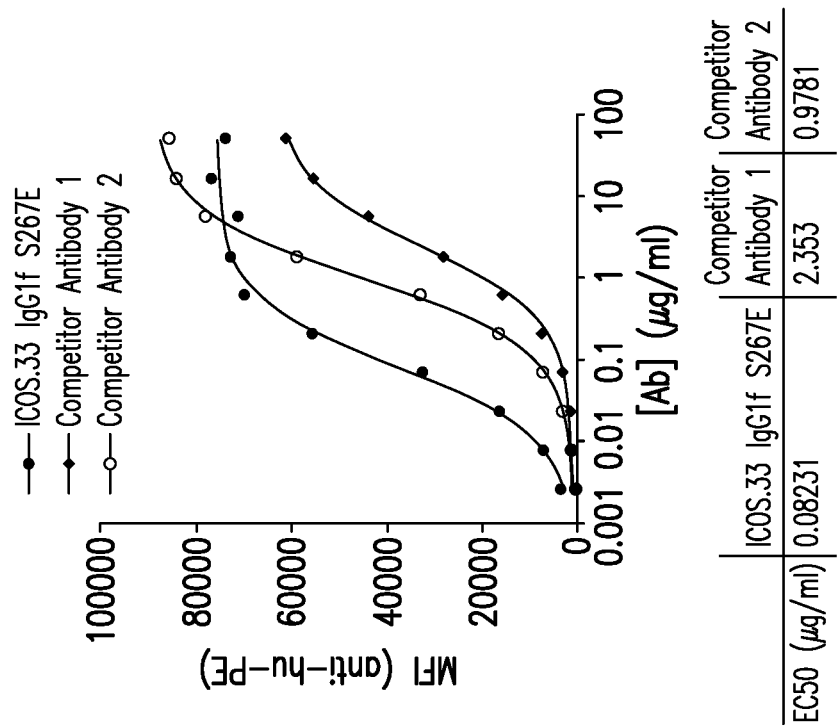


FIG. 26A

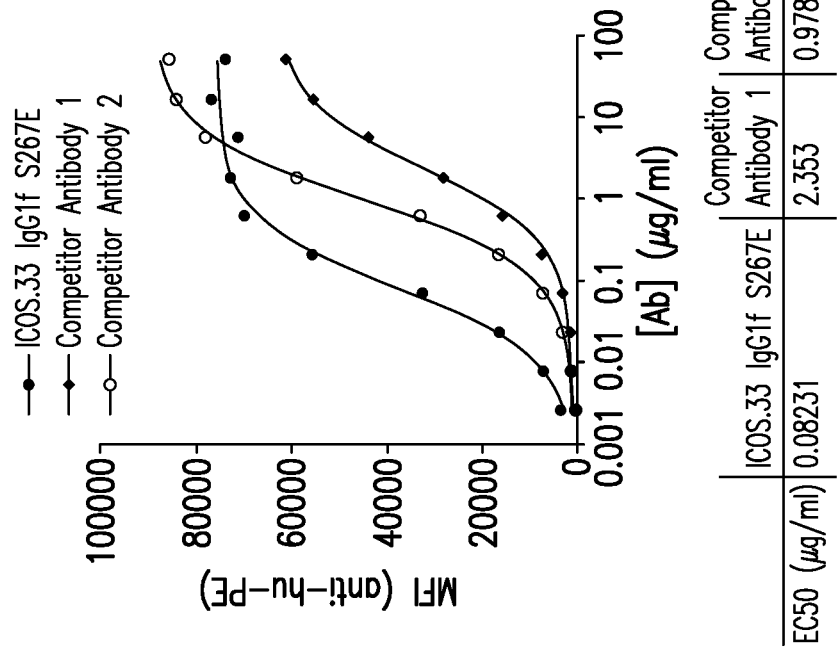


FIG. 26B

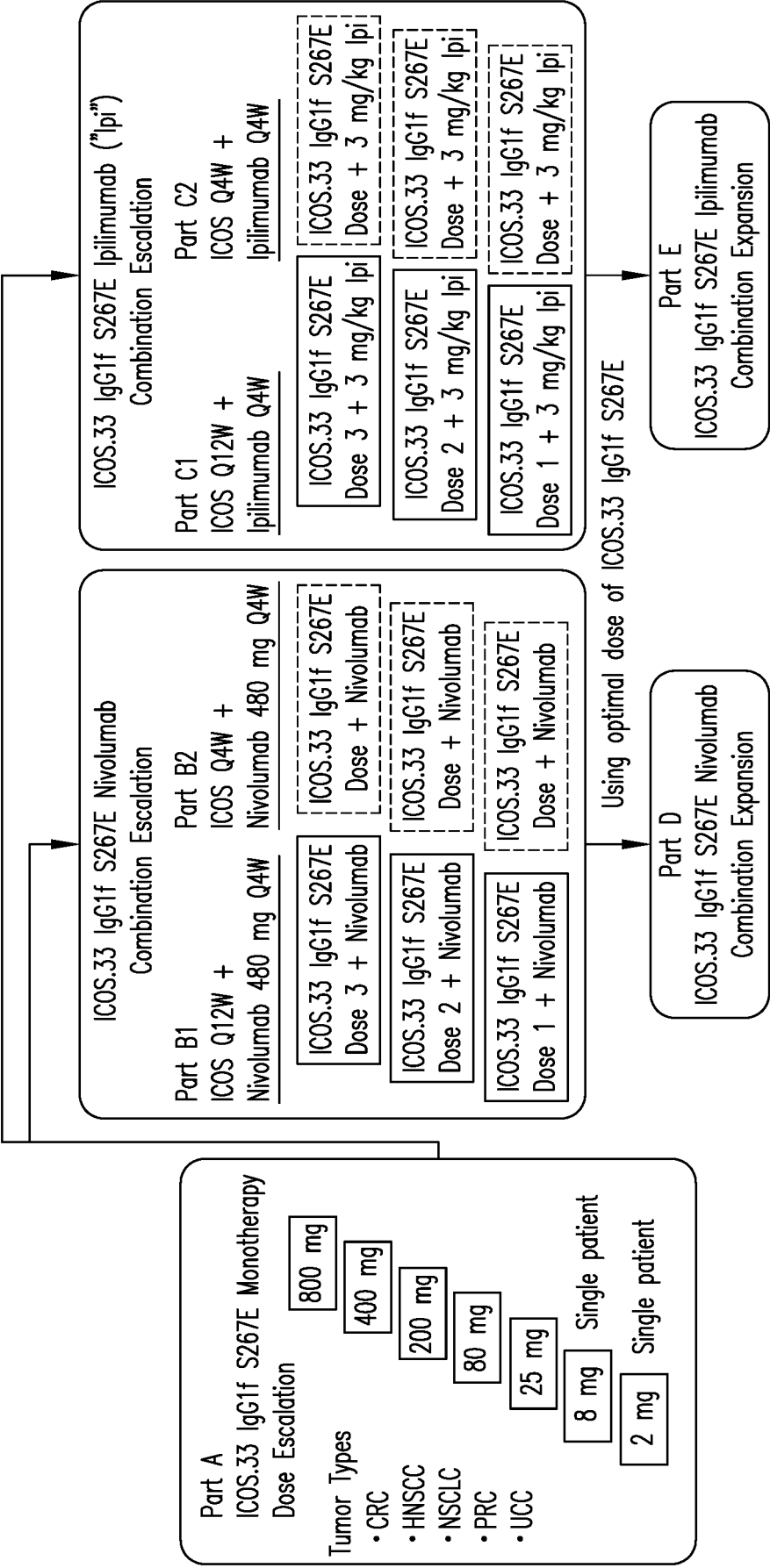


FIG.27

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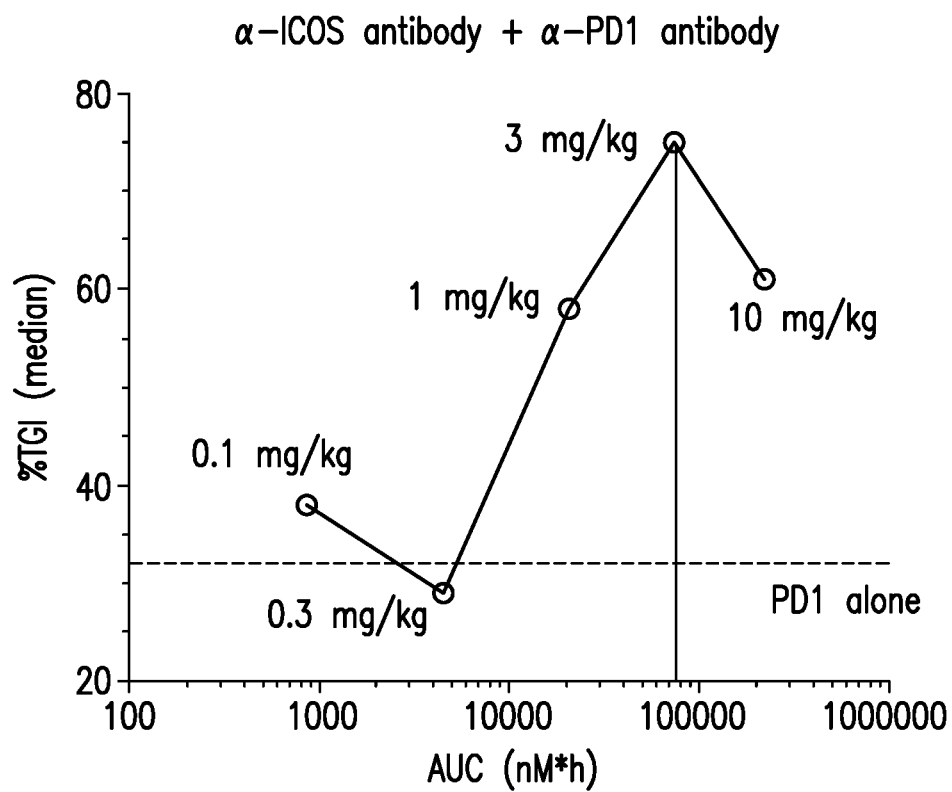


FIG.28