

	scFv	Linker	Trans Membrane Domain	Signaling Domain	
CAR#1	hmlL23R (14-11-D07)	CD8 linker	CD8 TM	CD28	CD3Z
CAR#2	hmlL23R (IL23RLamS4-G3)	CD8 linker	CD8 TM	CD28	CD3Z

FIG. 1

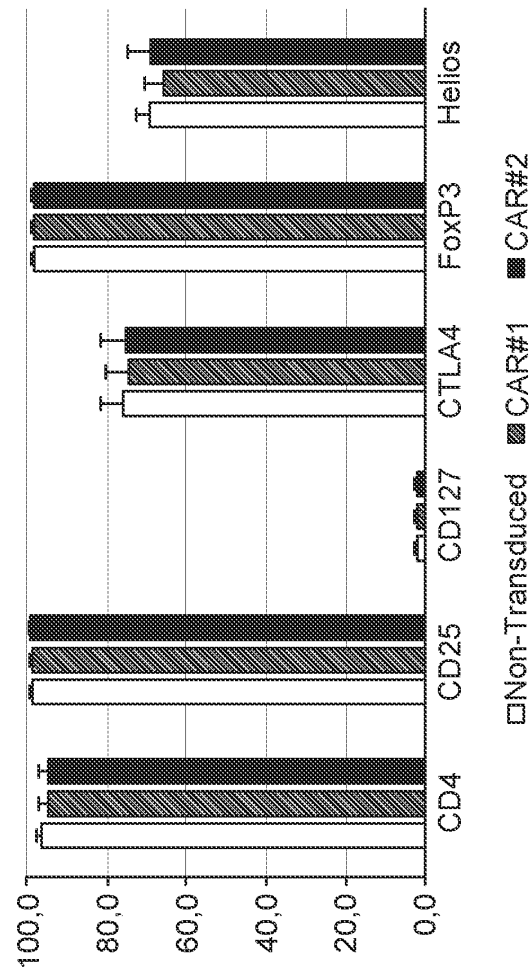


FIG. 2A

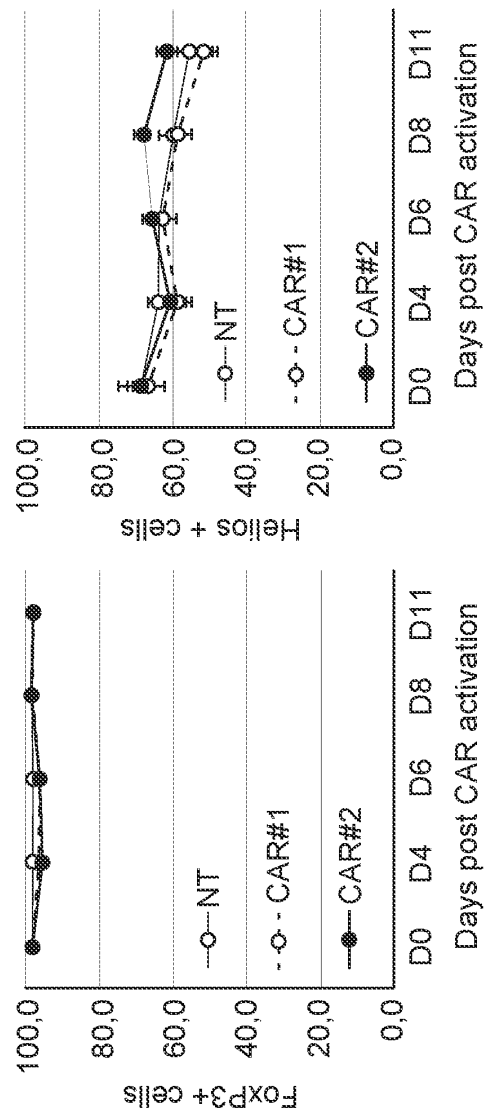


FIG. 2B

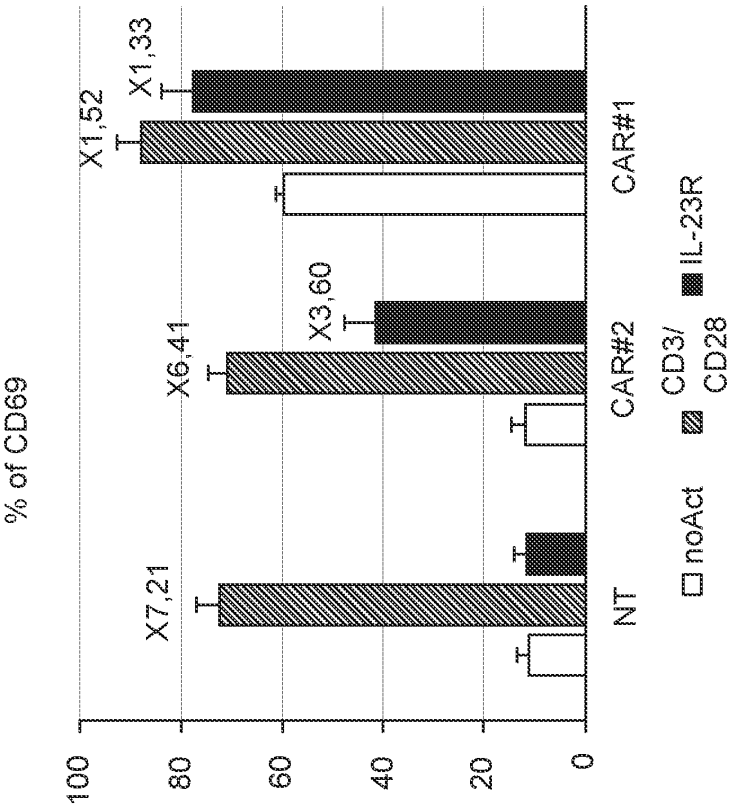


FIG. 3

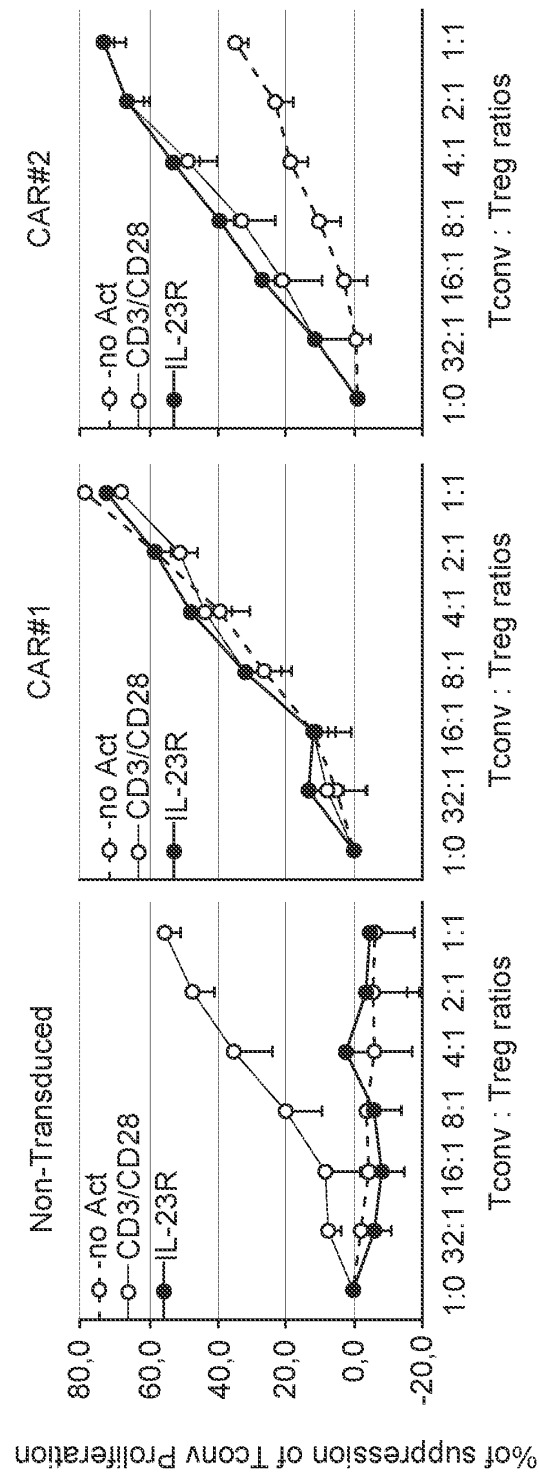


FIG. 4

	scFv	Linker	Trans Membrane Domain	Signaling Domain
mCAR#1	hmIL23R (14-11-D07)	mCD28 linker	mCD28 TM	mCD28 mCD3Z
mCAR#2a	hmIL23R (IL23RLamS4-G3)	mCD28 linker	mCD28 TM	mCD28 mCD3Z
mCAR#2b	hmIL23R (IL23RLamS4-G3)	mCD8 linker	mCD8 TM	mCD28 mCD3Z

FIG. 5

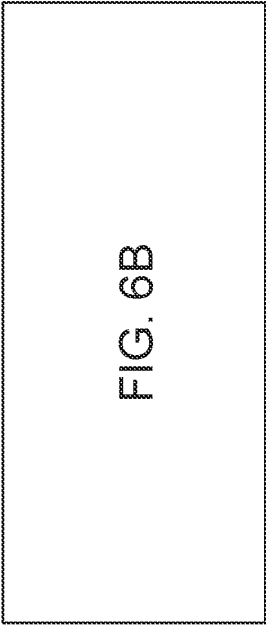
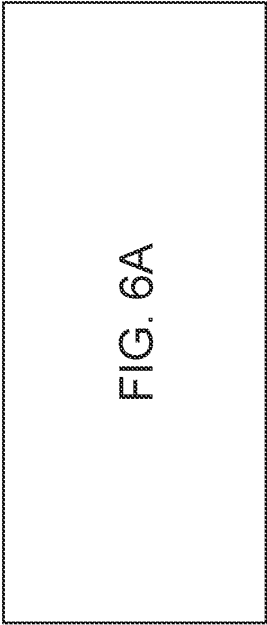


FIG. 6

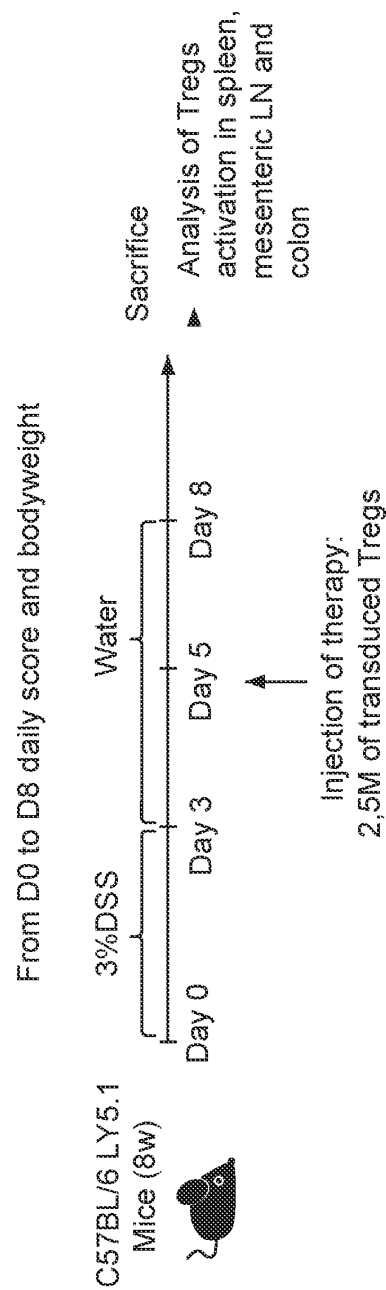


FIG. 6A

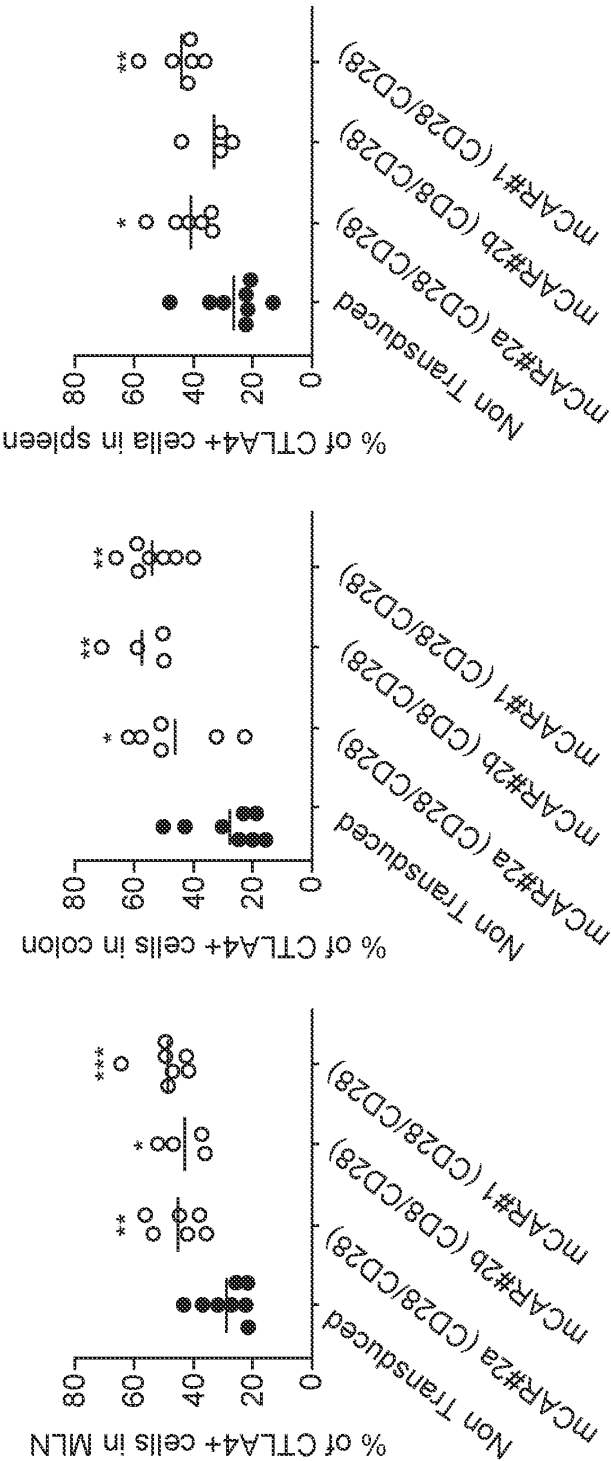


FIG. 6B

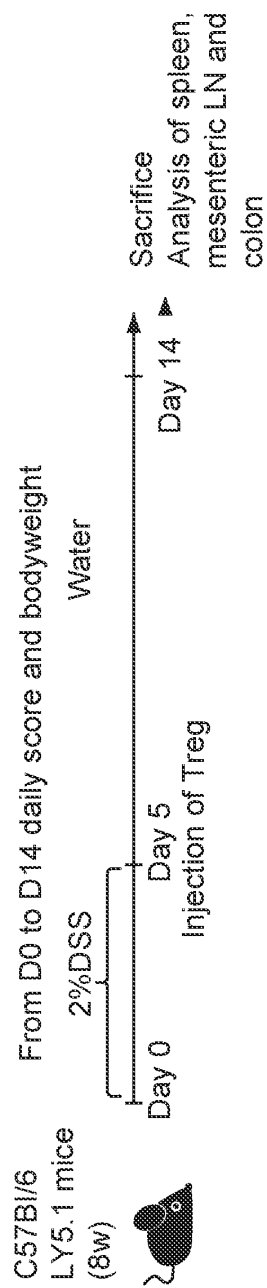


FIG. 7A

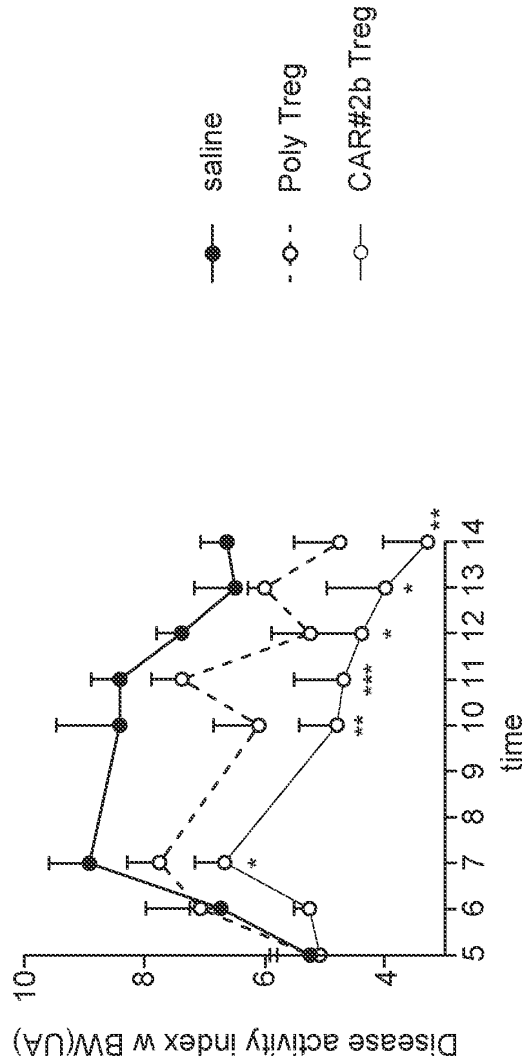


FIG. 7B

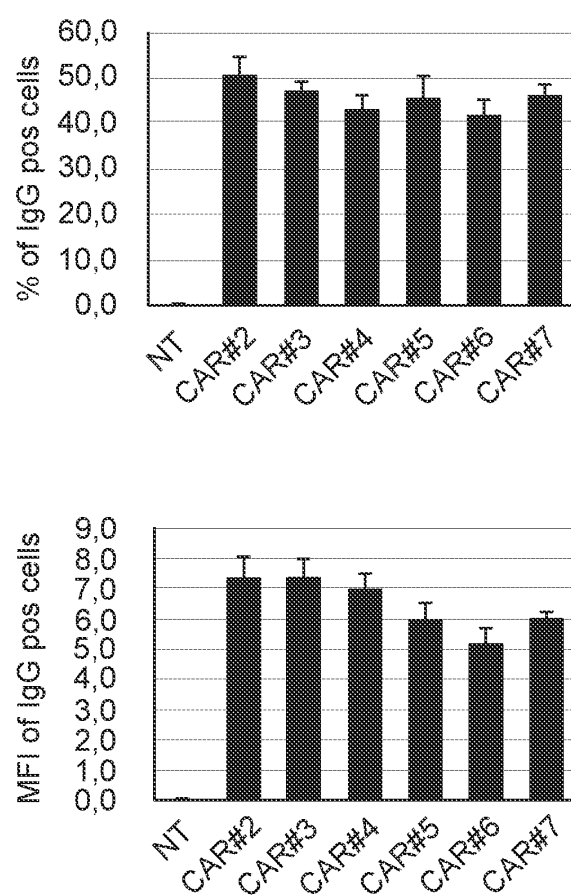


FIG. 8

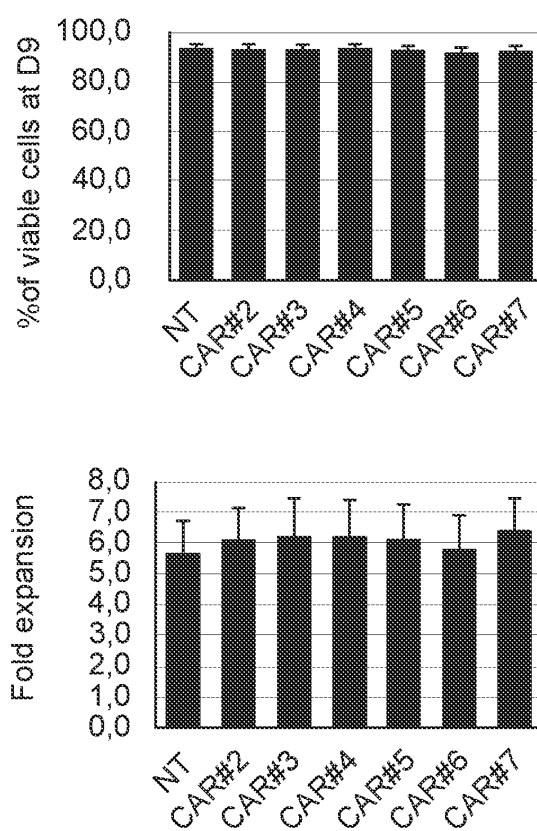


FIG. 9

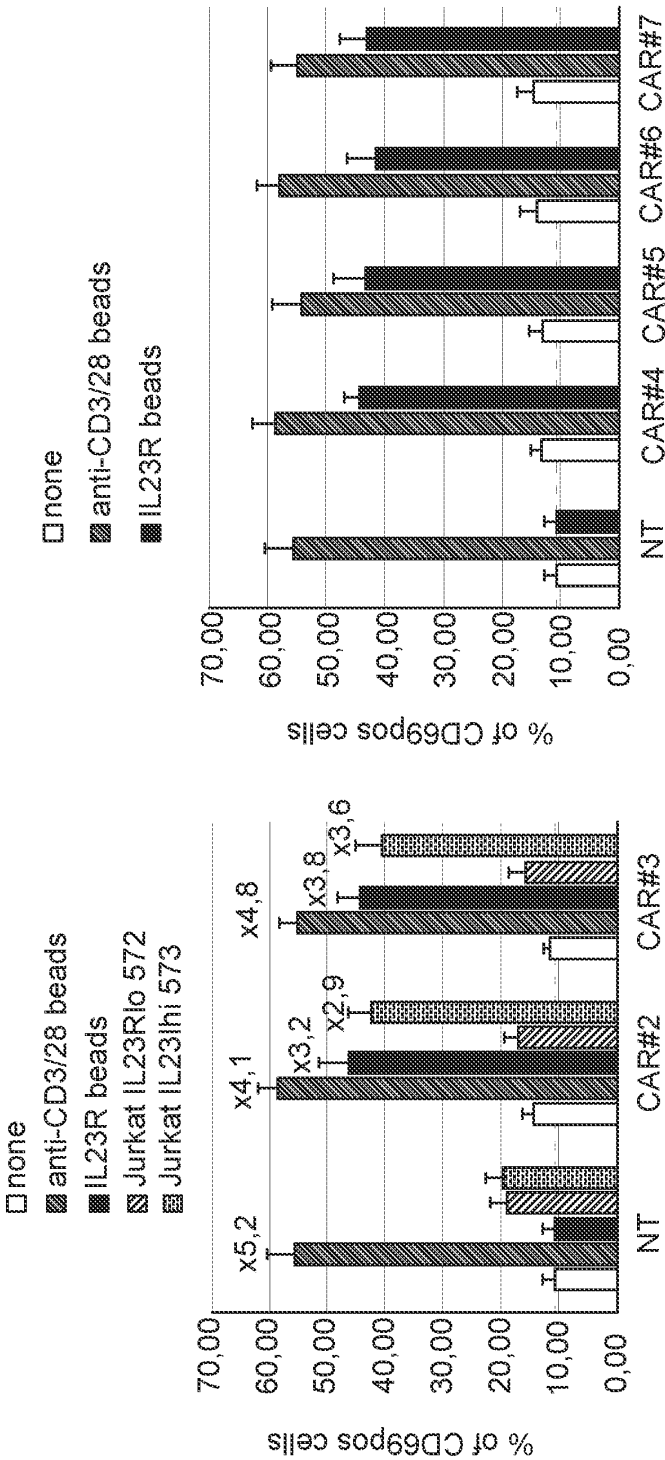


FIG. 10B

FIG. 10A

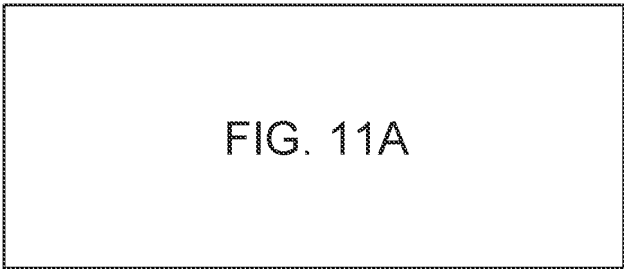
A rectangular box with a dotted border containing the text "FIG. 11A".

FIG. 11A

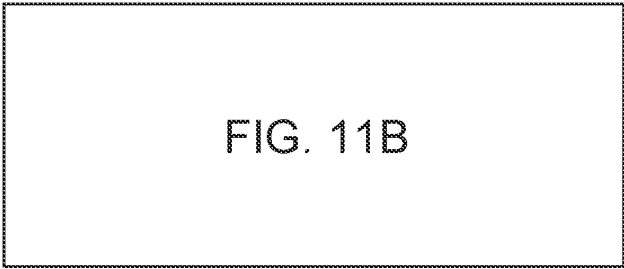
A rectangular box with a dotted border containing the text "FIG. 11B".

FIG. 11B

FIG. 11

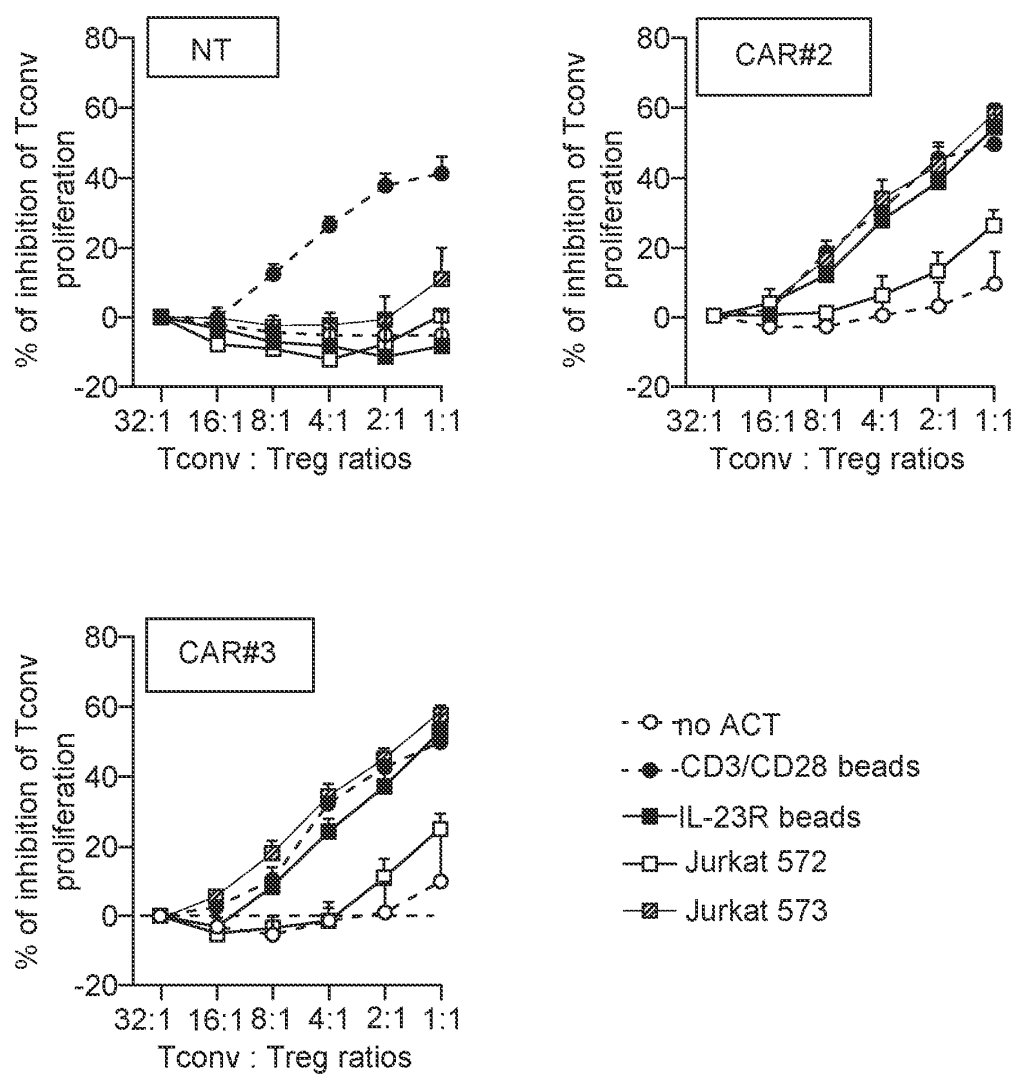


FIG. 11A

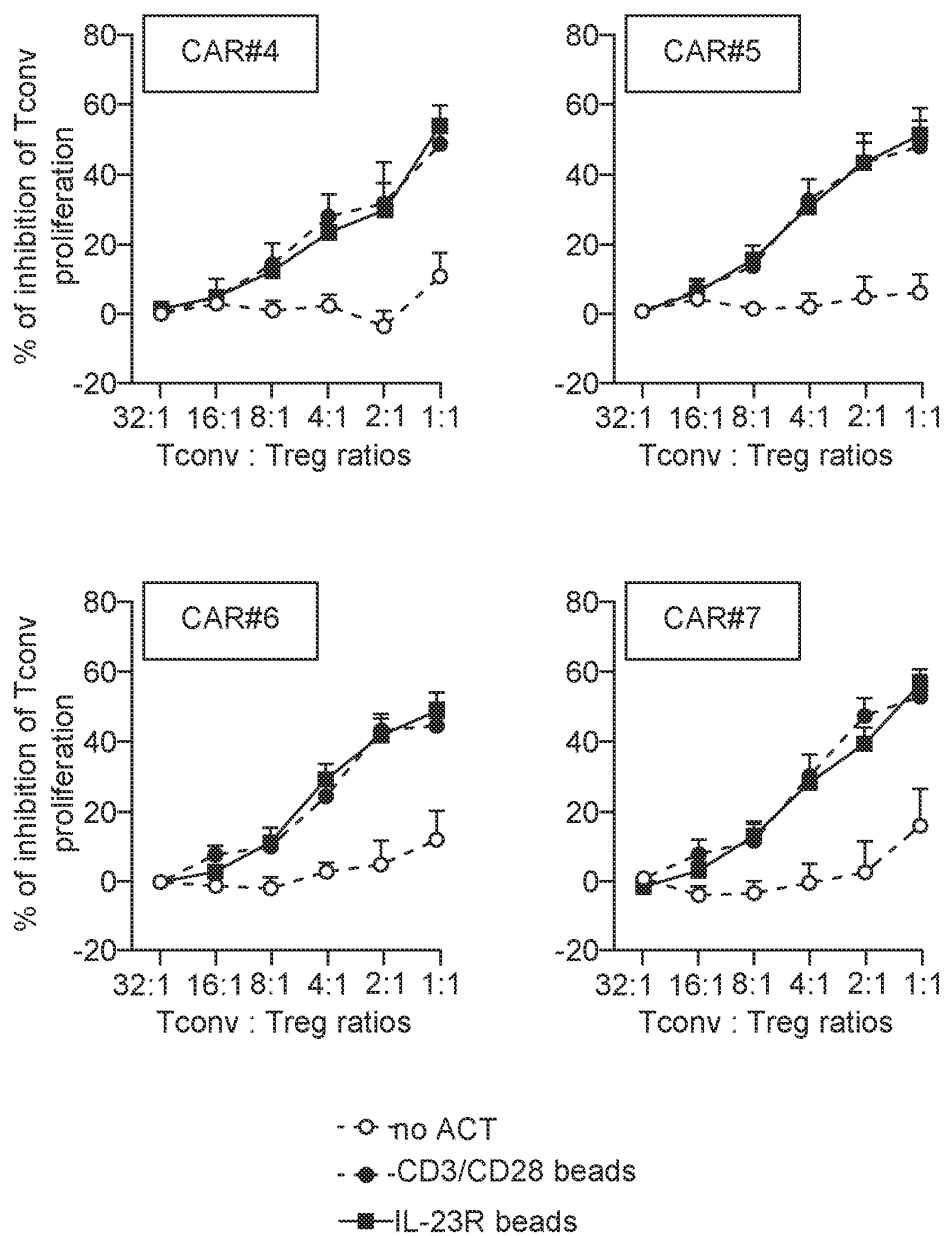


FIG. 11B

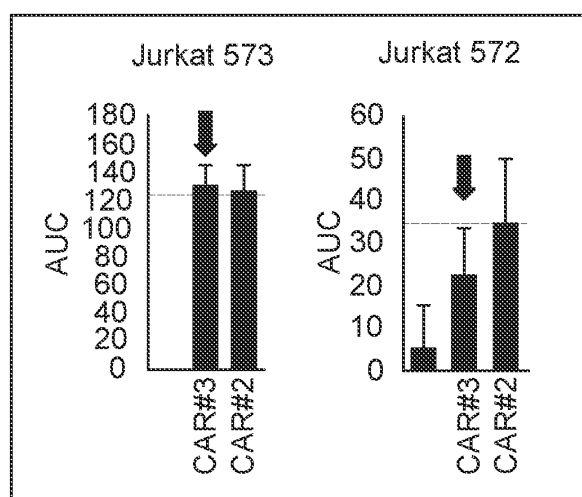


FIG. 12

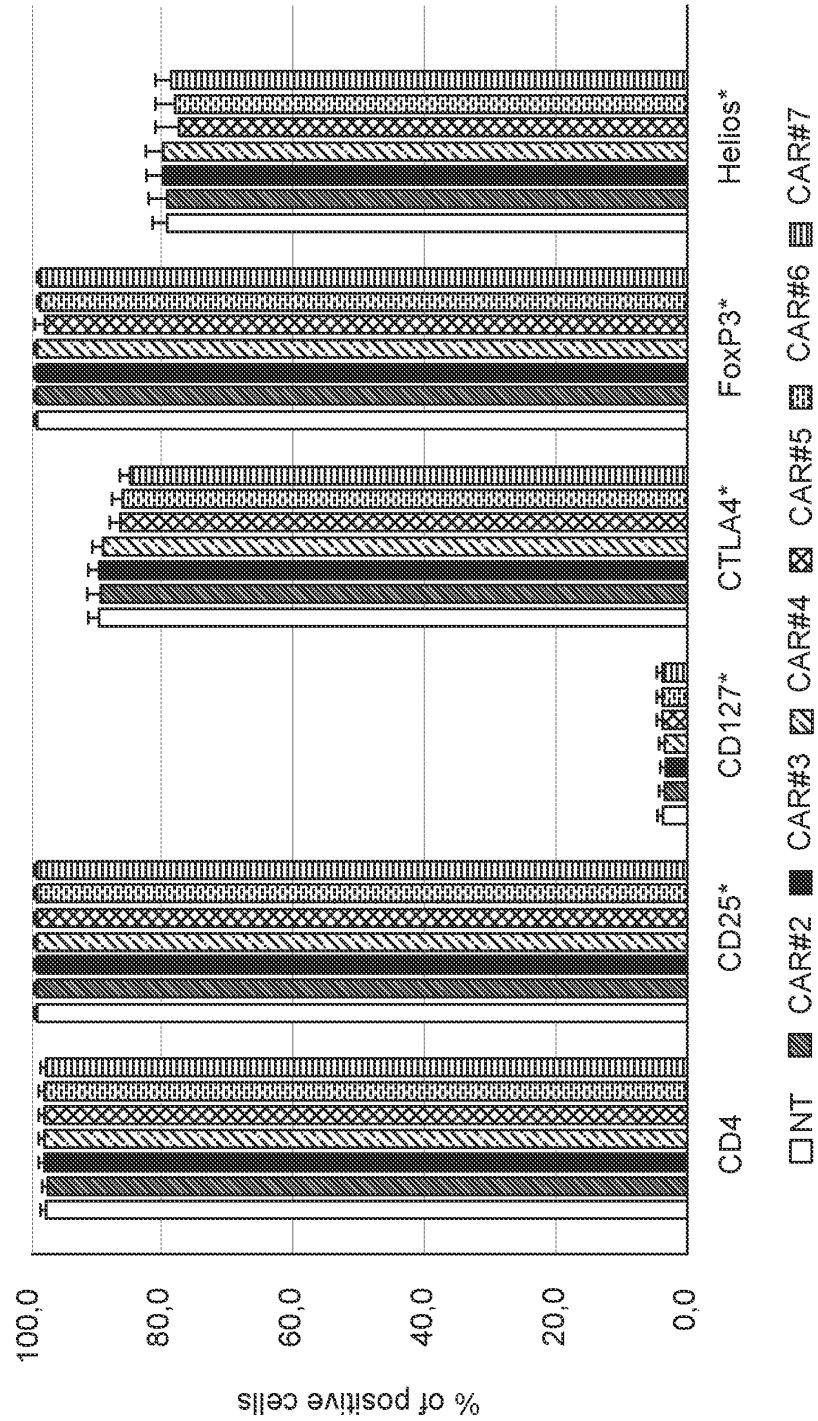


FIG. 13

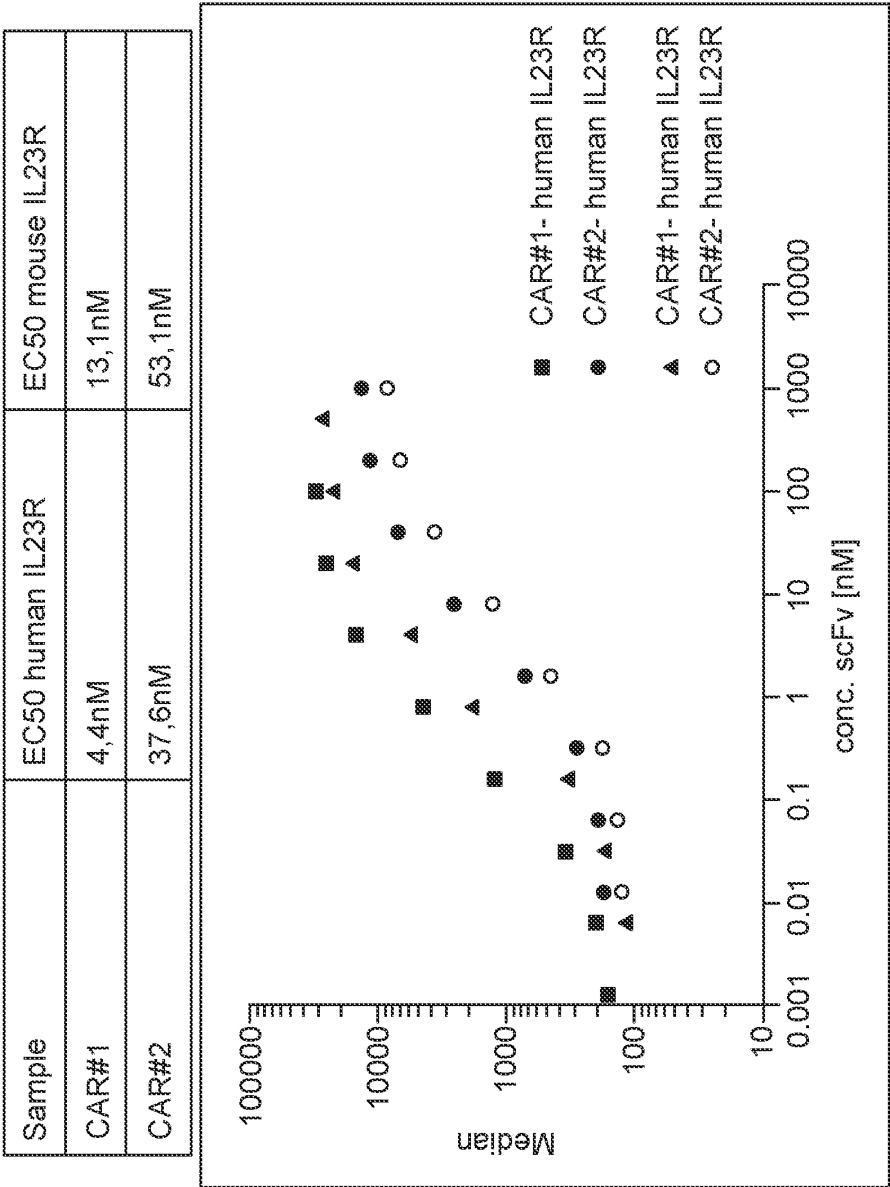


FIG. 14

Expression												
CAR#8	Low	PGK	CD8	$\frac{\text{I}}{\text{II}}$	scFV-#2	CD8 linker	CD8 TM	CD28	CD3Z	P2A	GFP	
CAR#9	Medium	PGK	CD8	$\frac{\text{I}}{\text{II}}$	scFV-#2	CD8 linker	CD8 TM	CD28	CD3Z	P2A	GFP	WPRE
CAR#10	Medium-high	EF1a	CD8	$\frac{\text{I}}{\text{II}}$	scFV-#2	CD8 linker	CD8 TM	CD28	CD3Z	P2A	GFP	
CAR#11	High	EF1a	CD8	$\frac{\text{I}}{\text{II}}$	scFV-#2	CD8 linker	CD8 TM	CD28	CD3Z	P2A	GFP	WPRE

FIG. 15

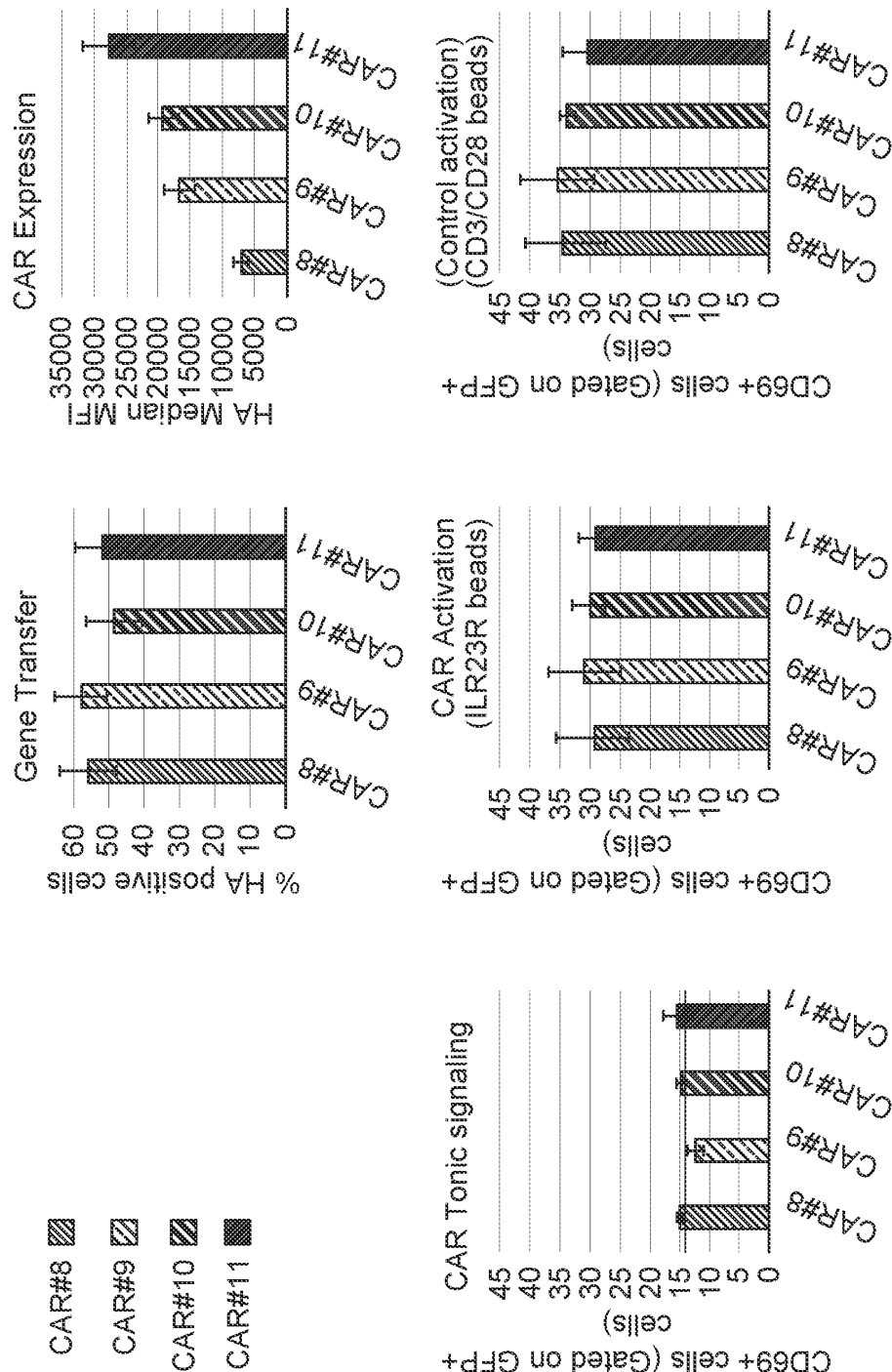


FIG. 16