

FIG. 1A

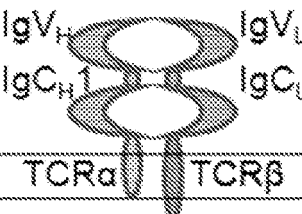
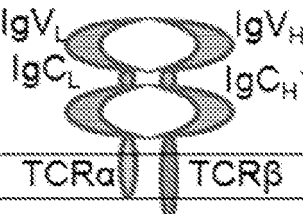
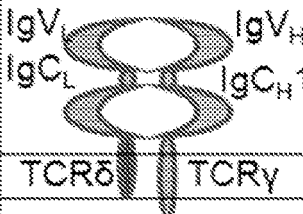
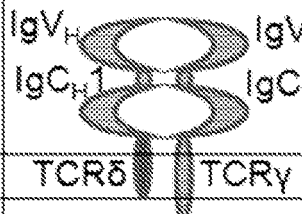
abTCR-3	abTCR-4	abTCR-5	abTCR-6
			
TCRα TCRβ	TCRα TCRβ	TCRδ TCRγ	TCRδ TCRγ

FIG. 1B

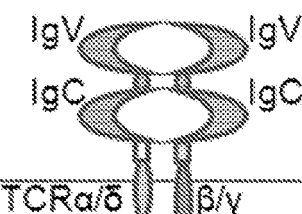
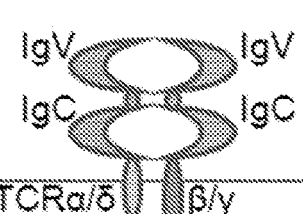
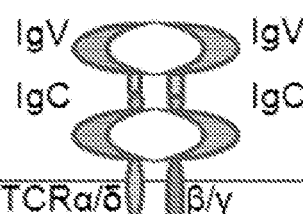
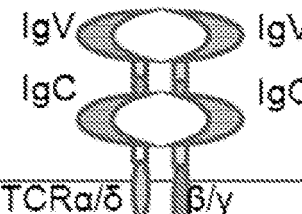
Additional linker to extend, or deletion to reduce distance between TM and IgC	Additional intracellular effector domain(s)	Linker modification, or additional residues to extend distance between the Ig domains	Any combination or permutations of the variations
			
TCRα/δ β/γ	TCRα/δ β/γ	TCRα/δ β/γ	TCRα/δ β/γ

FIG. 2

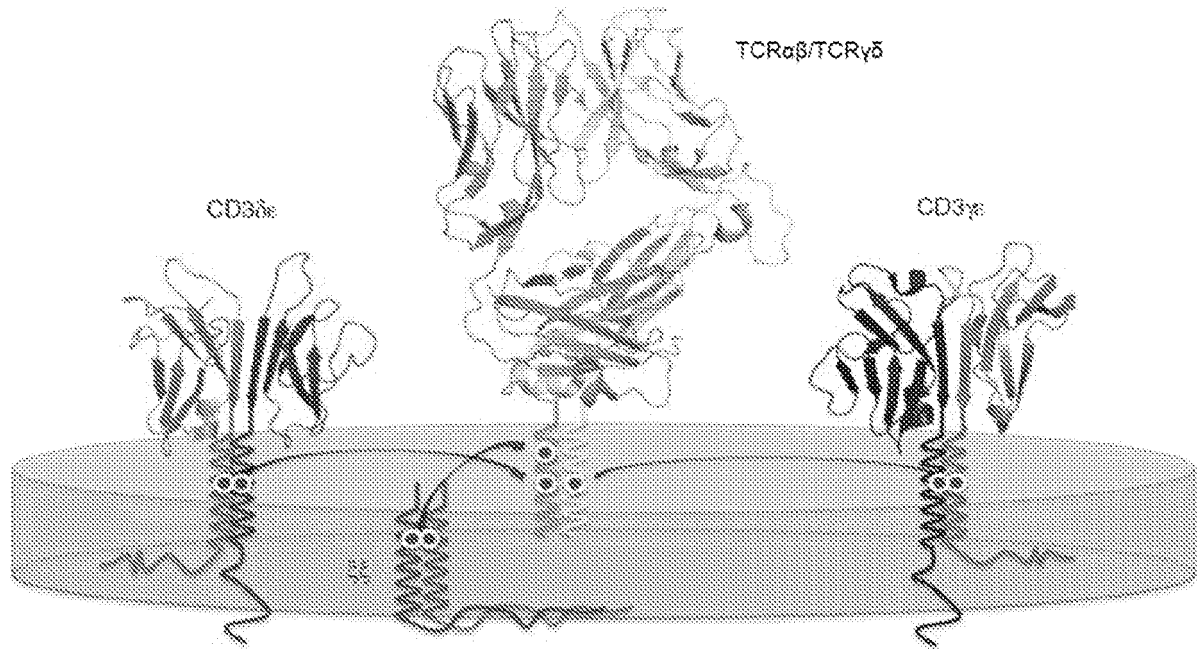


FIG. 3

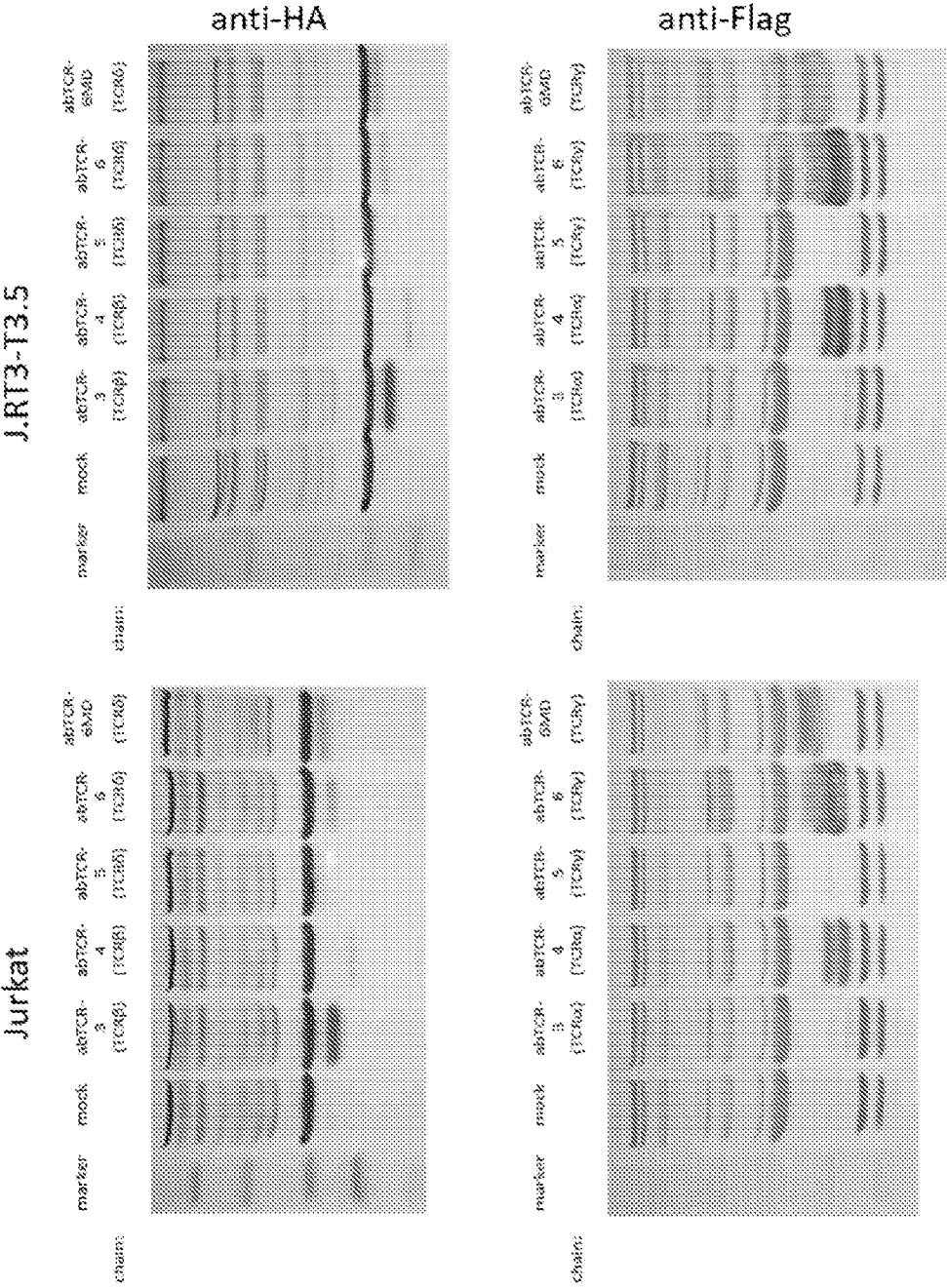
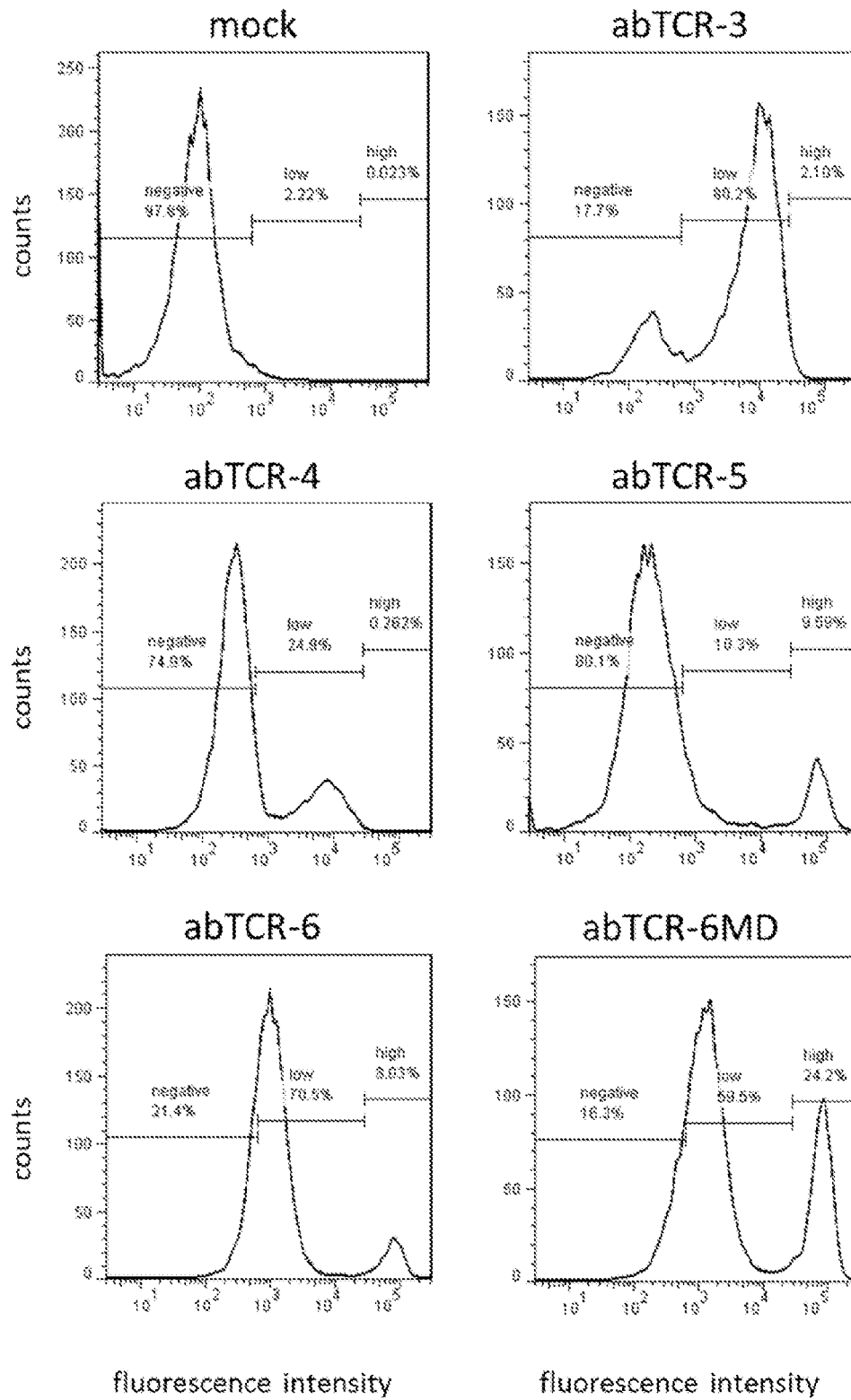


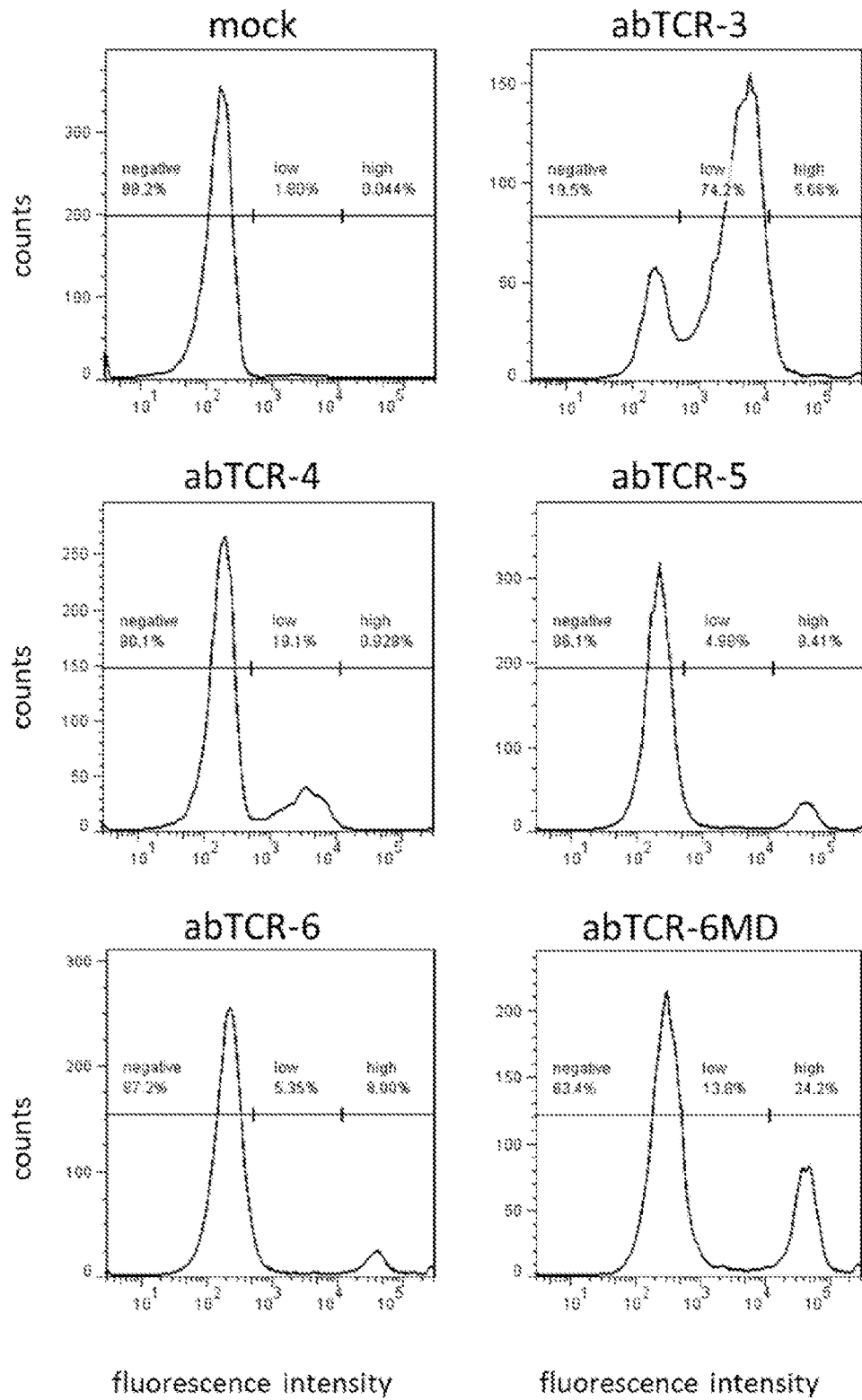
FIG. 4A

CD3 ϵ expression

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FIG. 4B

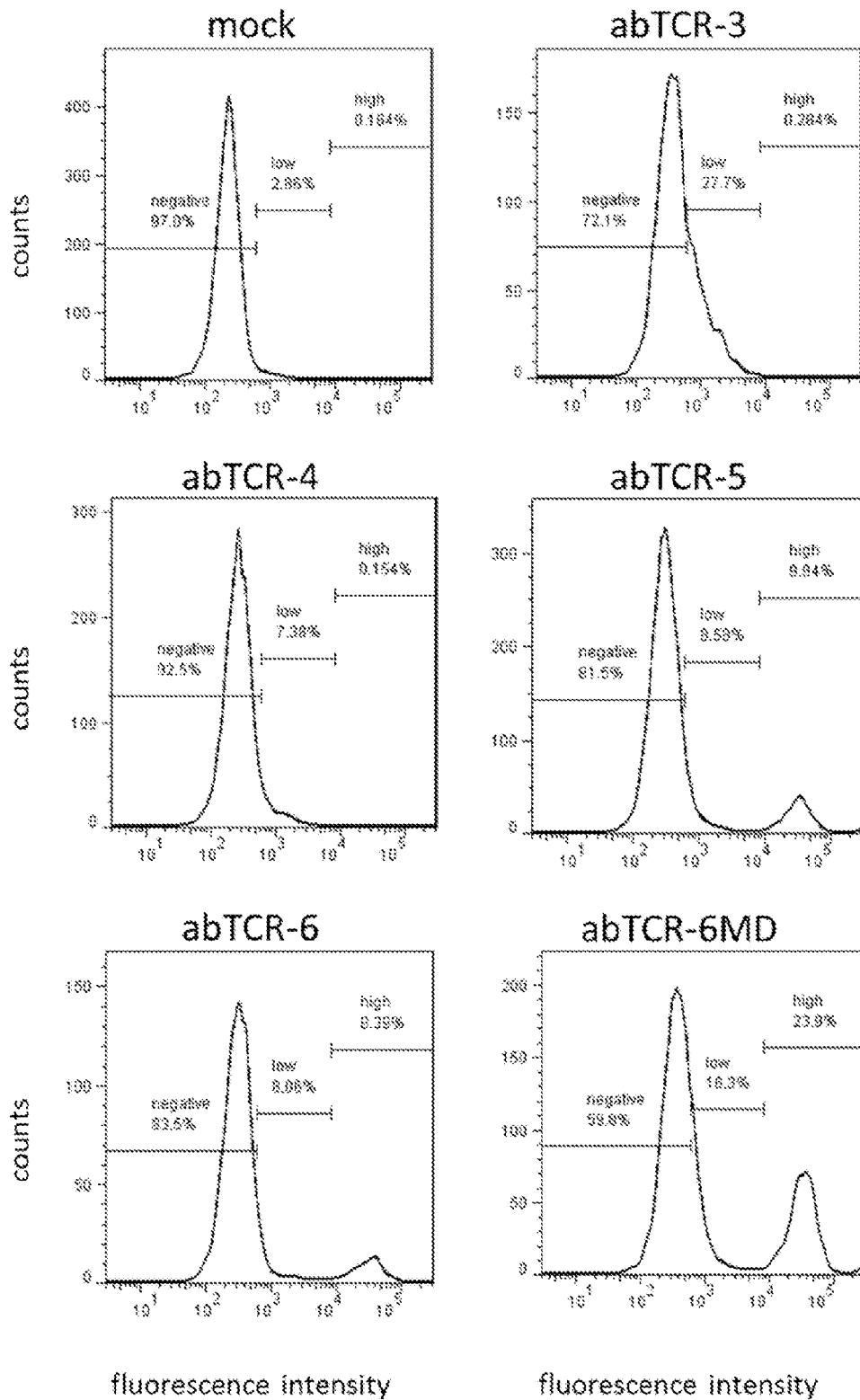
AFP158/HLA Tetramer binding



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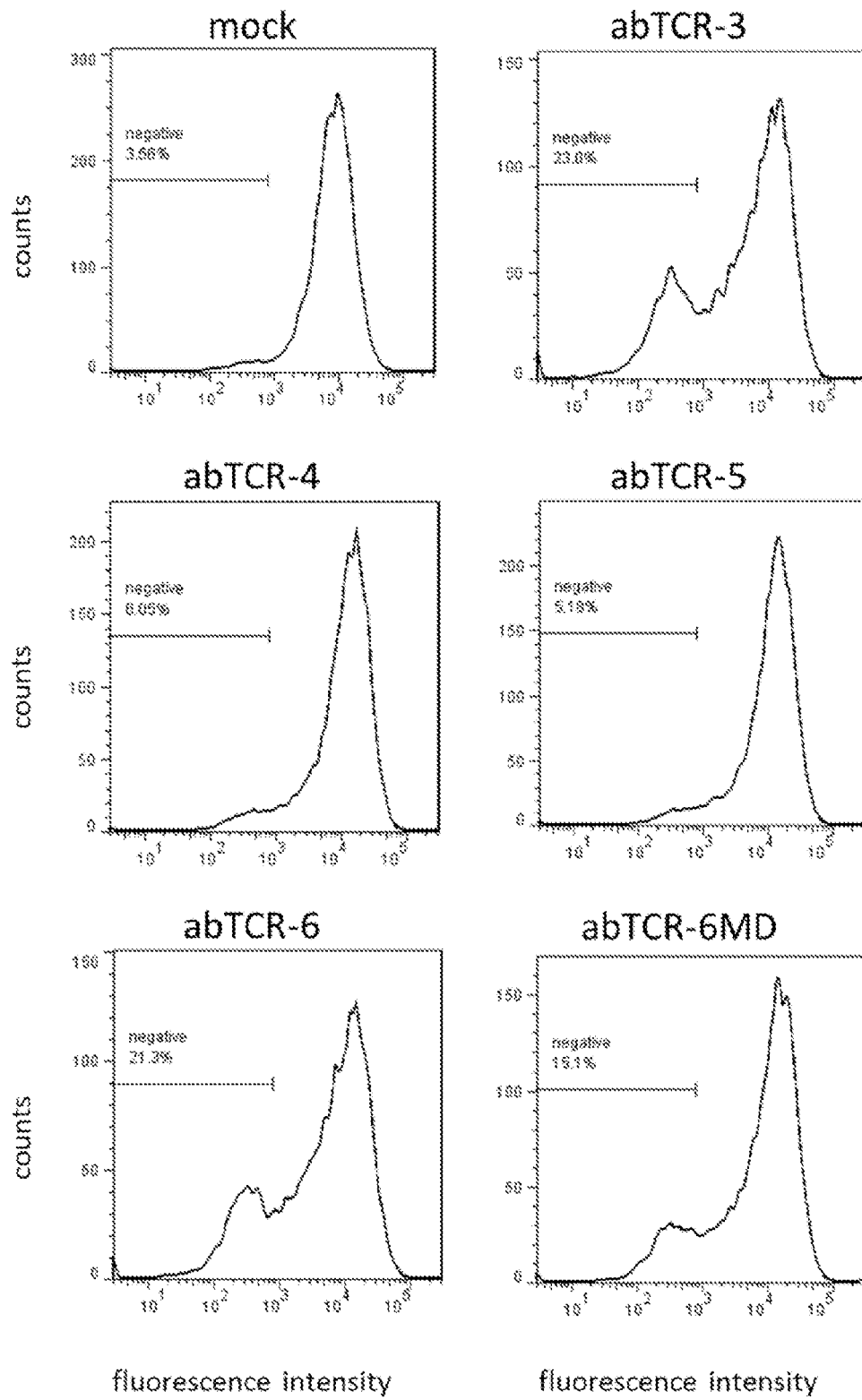
FIG. 4C

anti-idiotypic antibody



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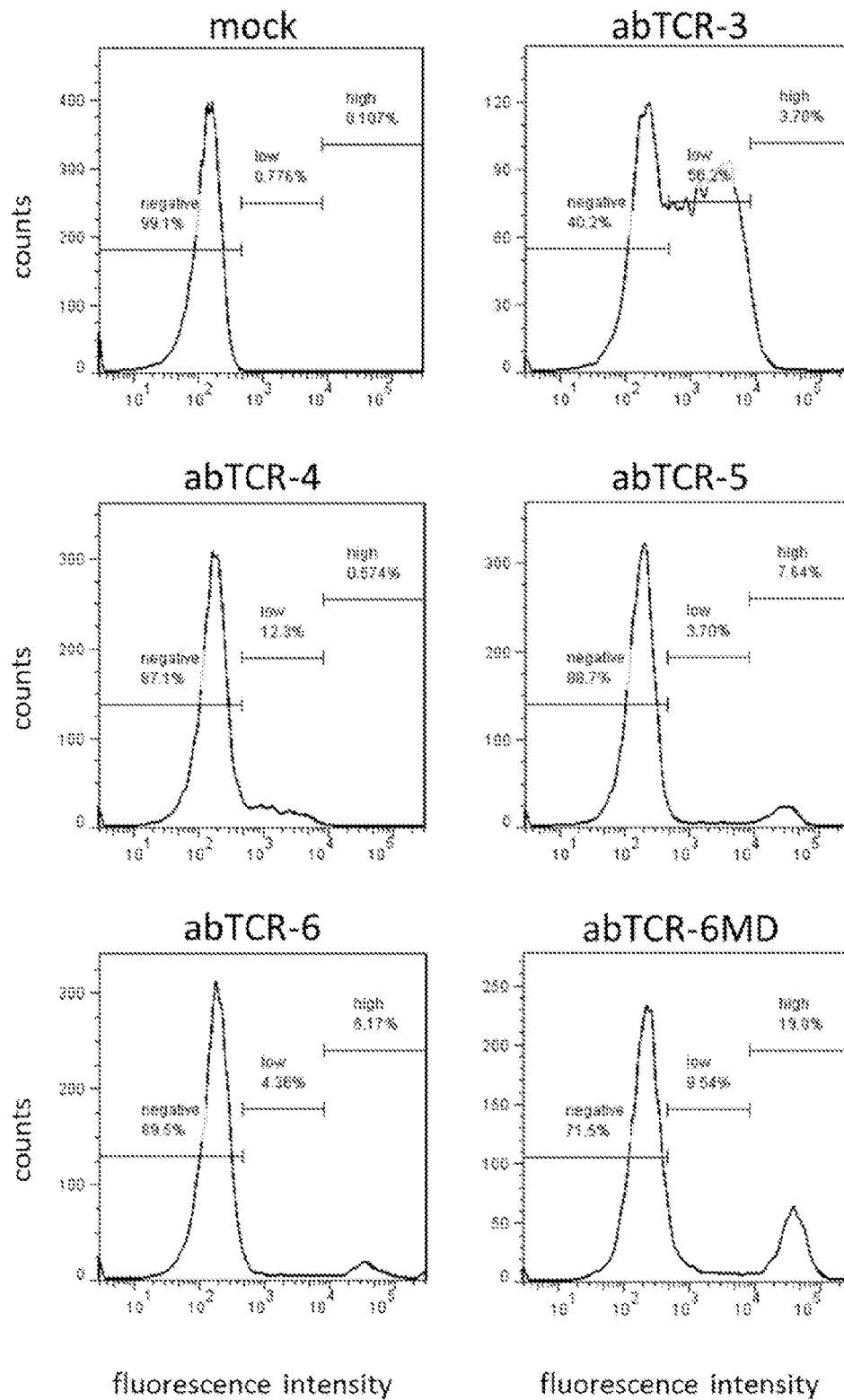
FIG. 5A

TCR α/β expression

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FIG. 5B

AFP158/HLA Tetramer binding



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FIG. 5C

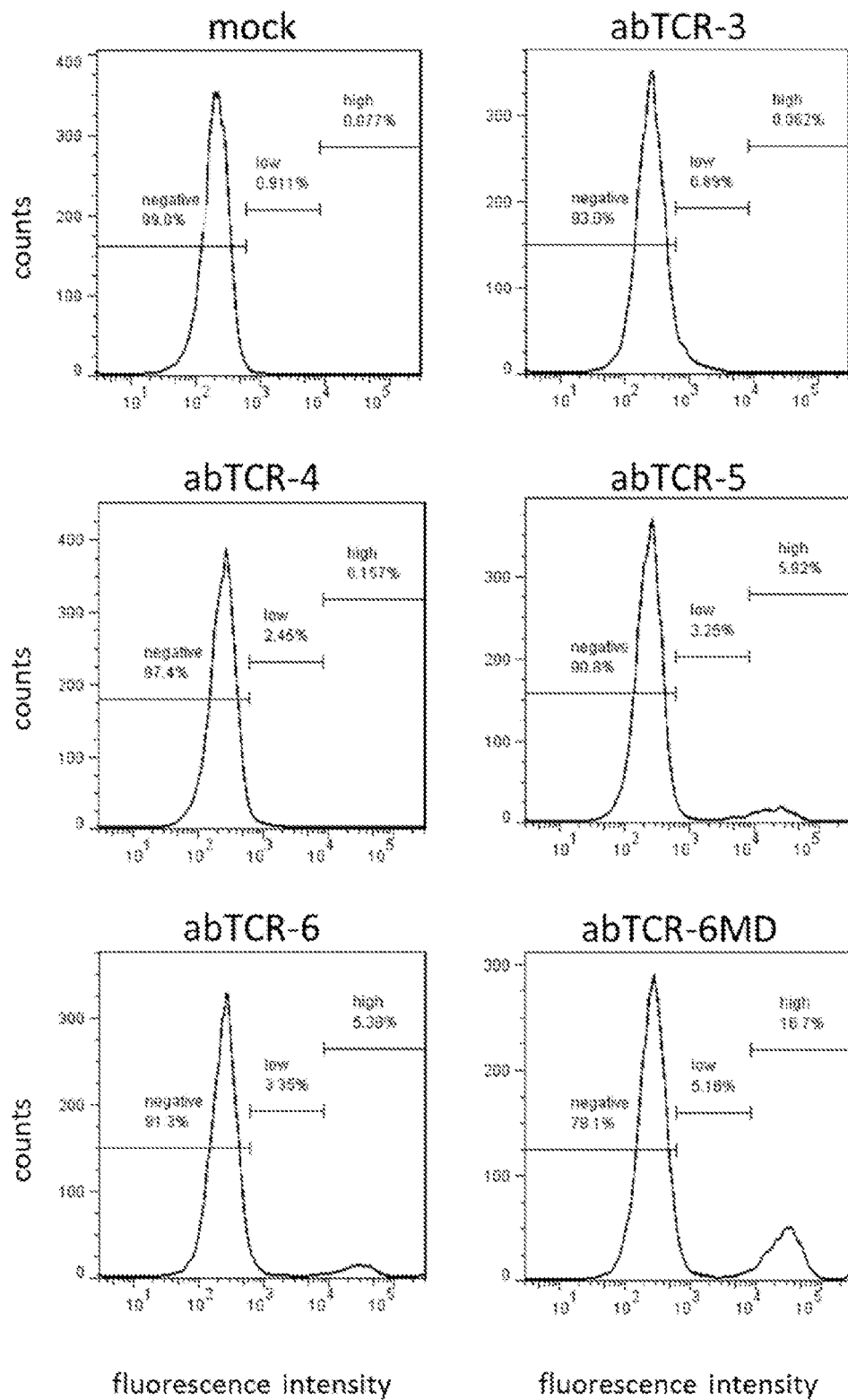
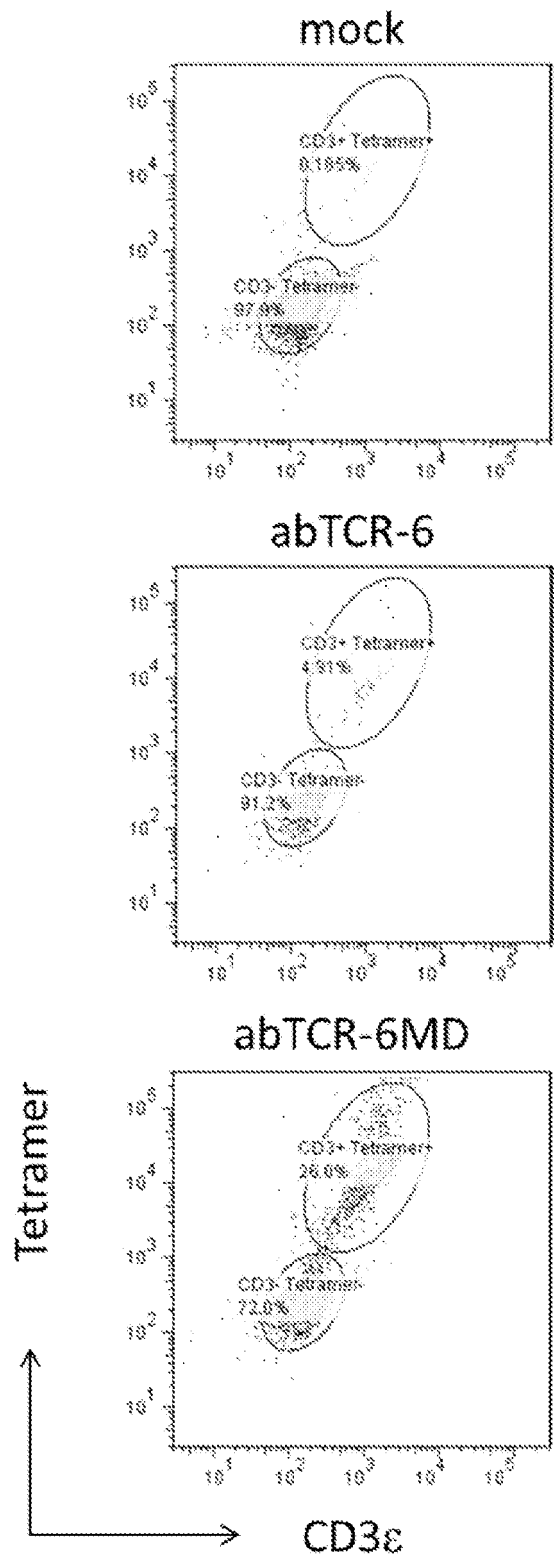
anti-idiotypic antibody

FIG. 6



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FIG. 7A

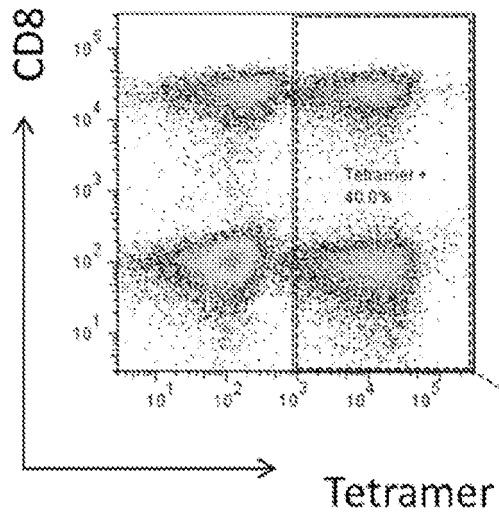
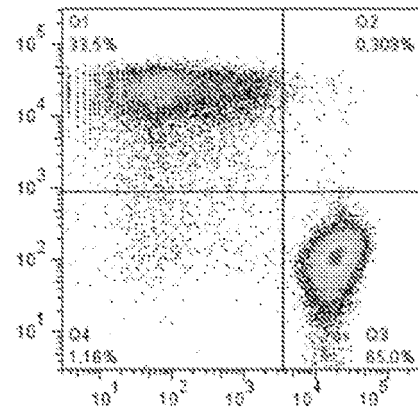
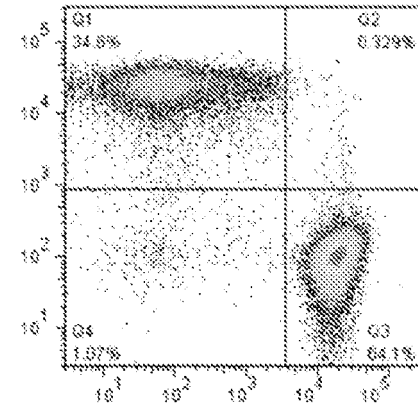


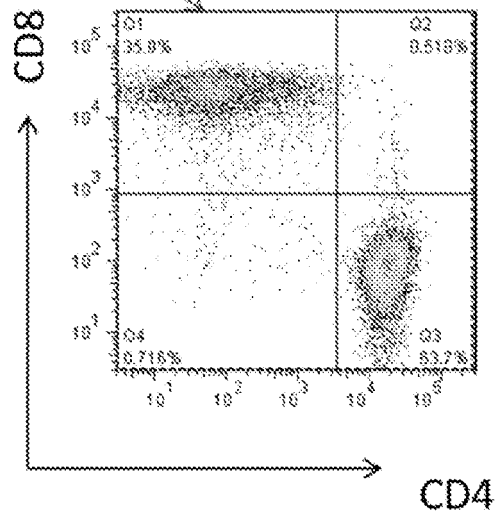
FIG. 7B



Mock

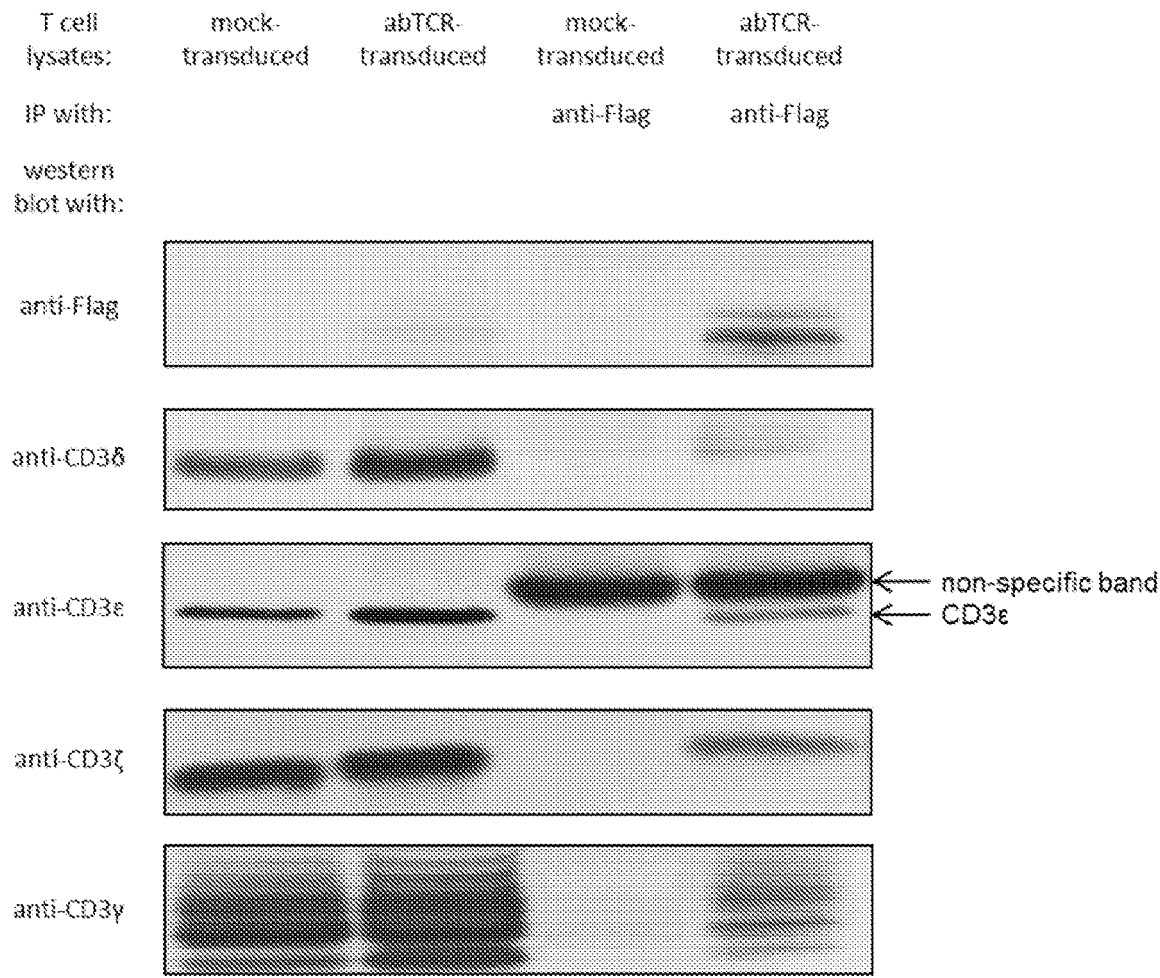


abTCR-6MD



abTCR-6MD, Tetramer⁺

FIG. 8



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FIG. 9A

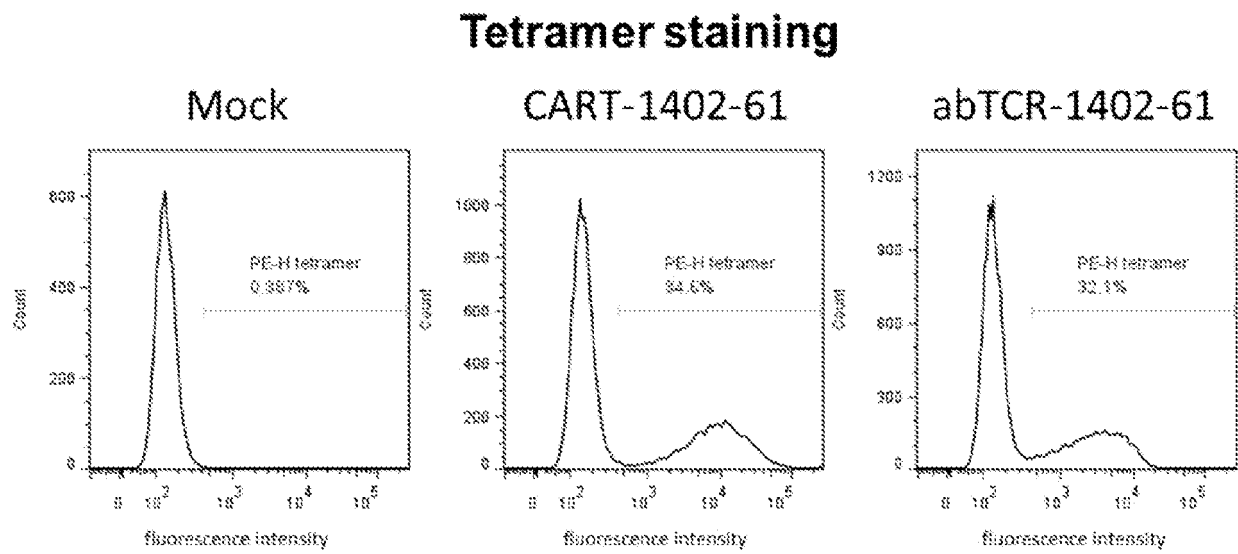


FIG. 9B

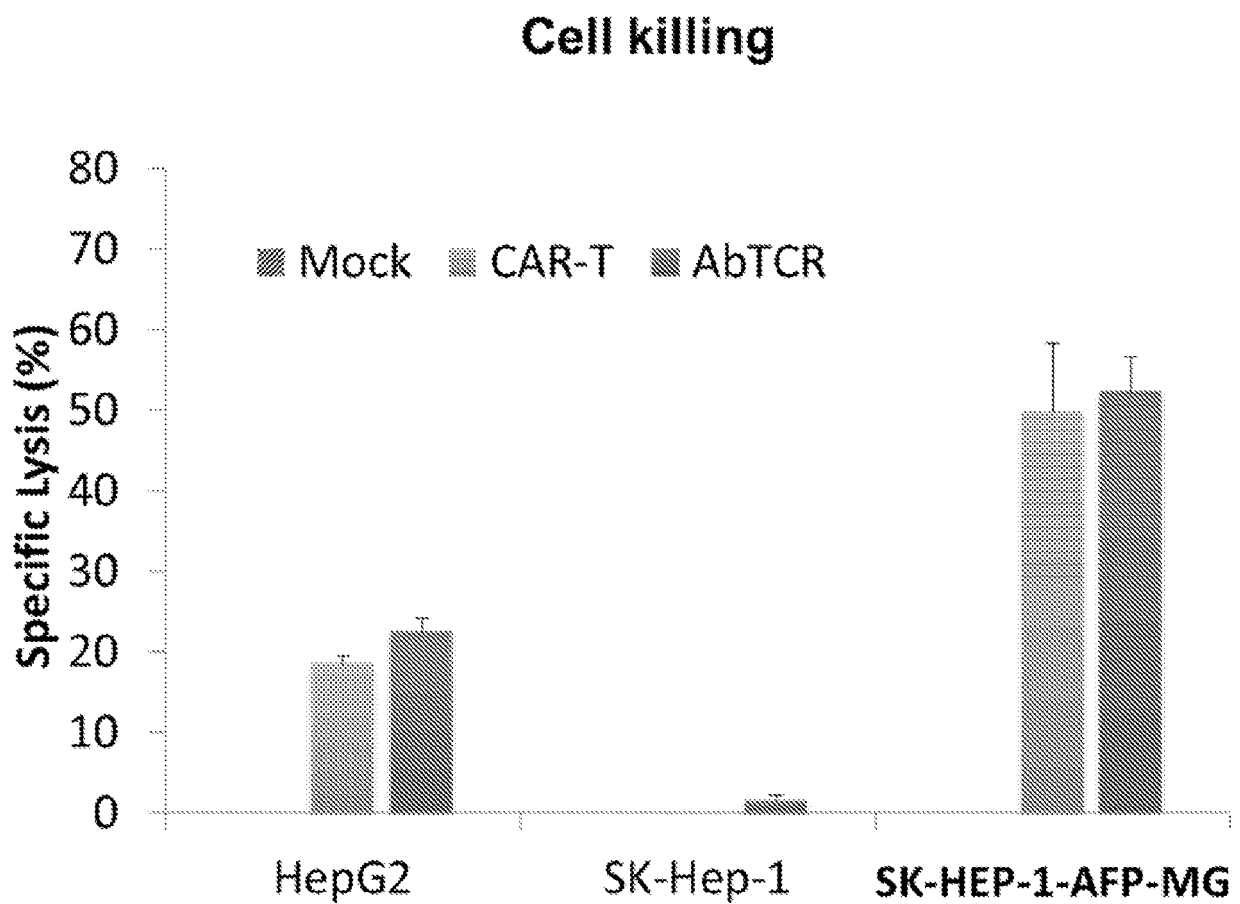
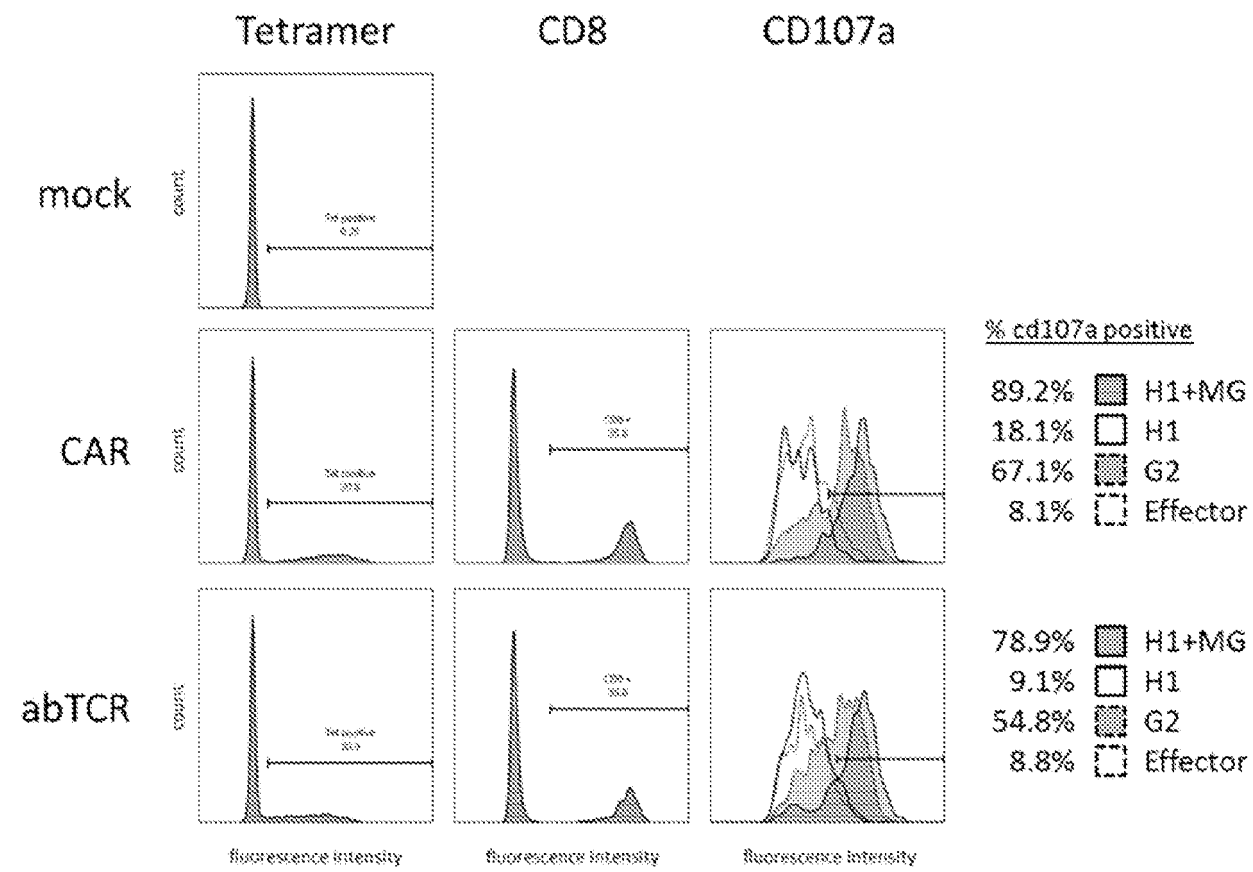


FIG. 10



Legend	Target cells
H1+MG	SK-HEP-1-AFP-MG
H1	SK-HEP-1
G2	HepG2
Effector	-

FIG. 11A

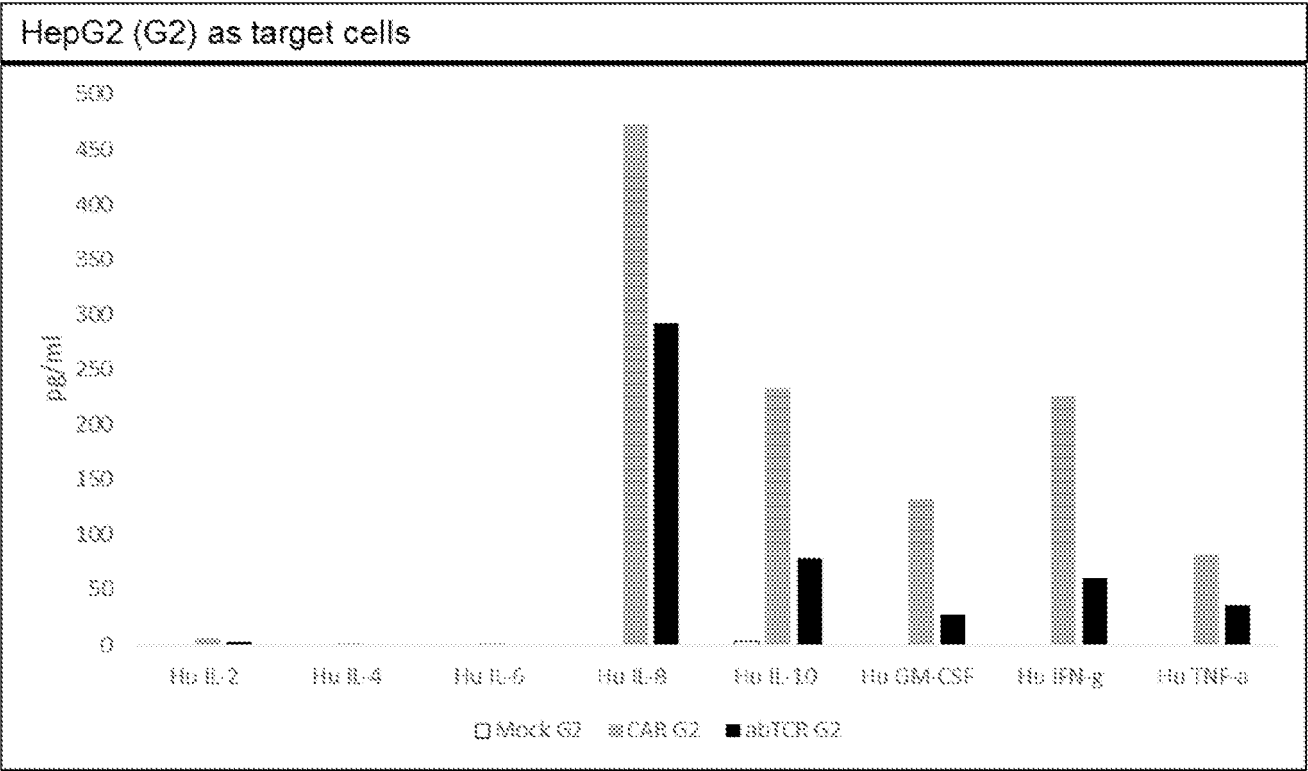


FIG. 11B

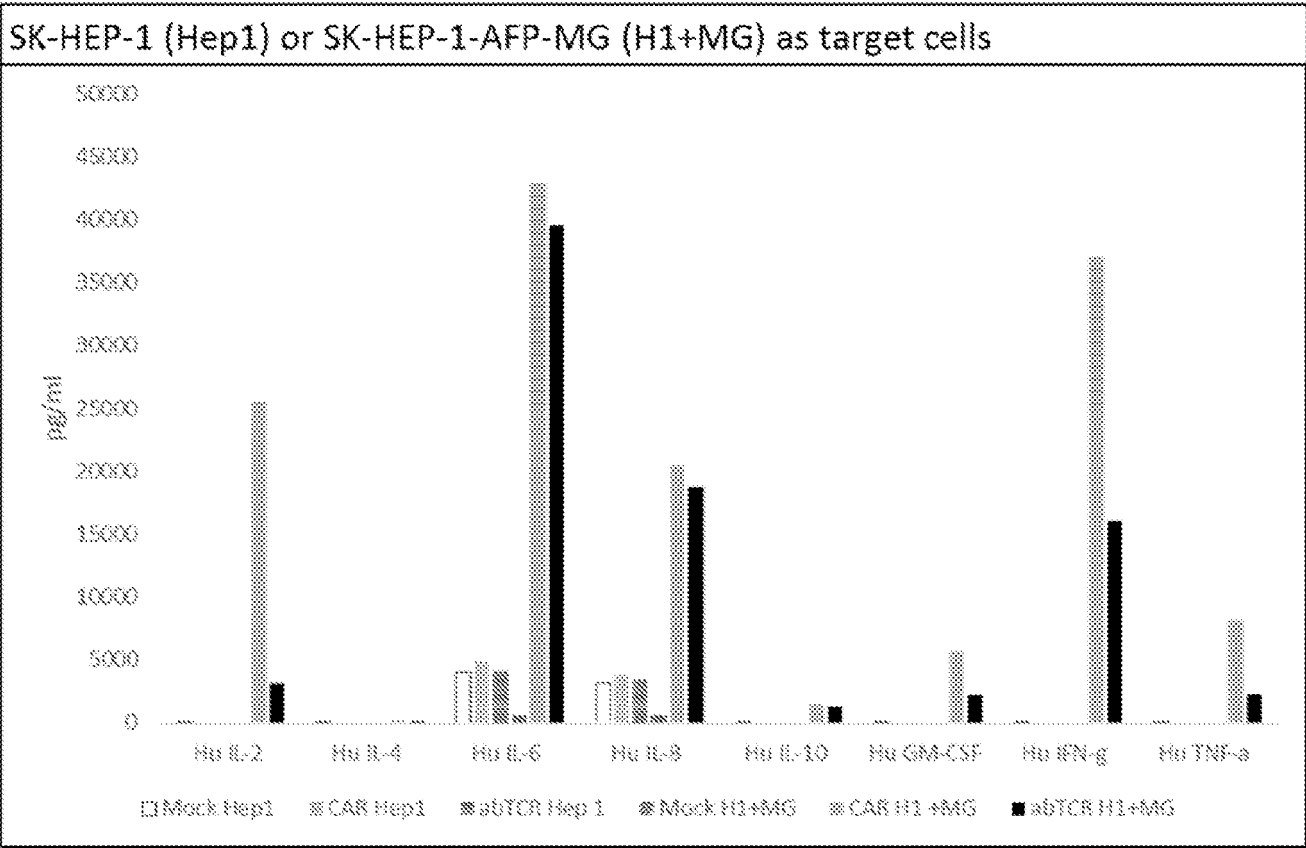


FIG. 12A

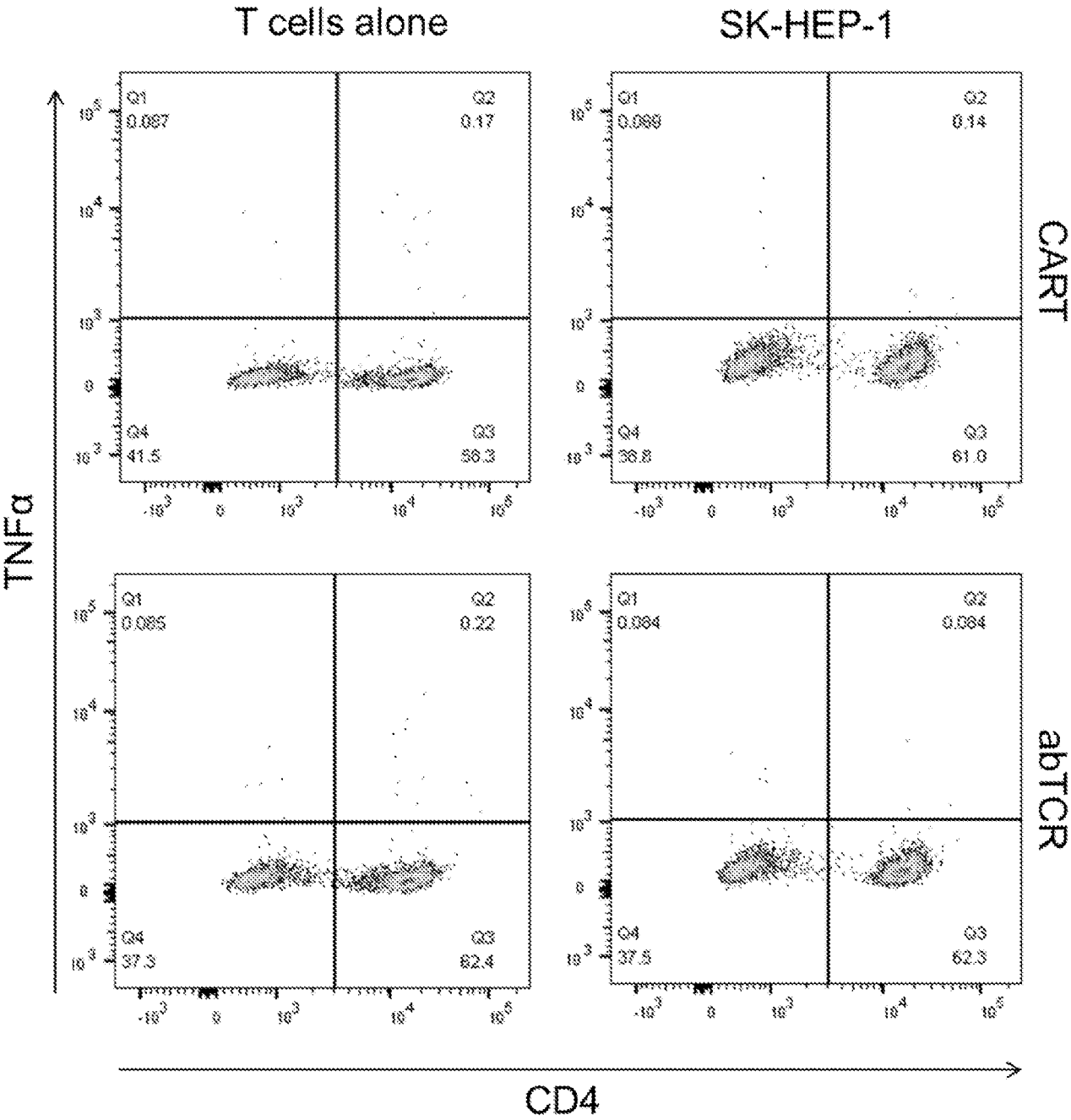


FIG. 12B

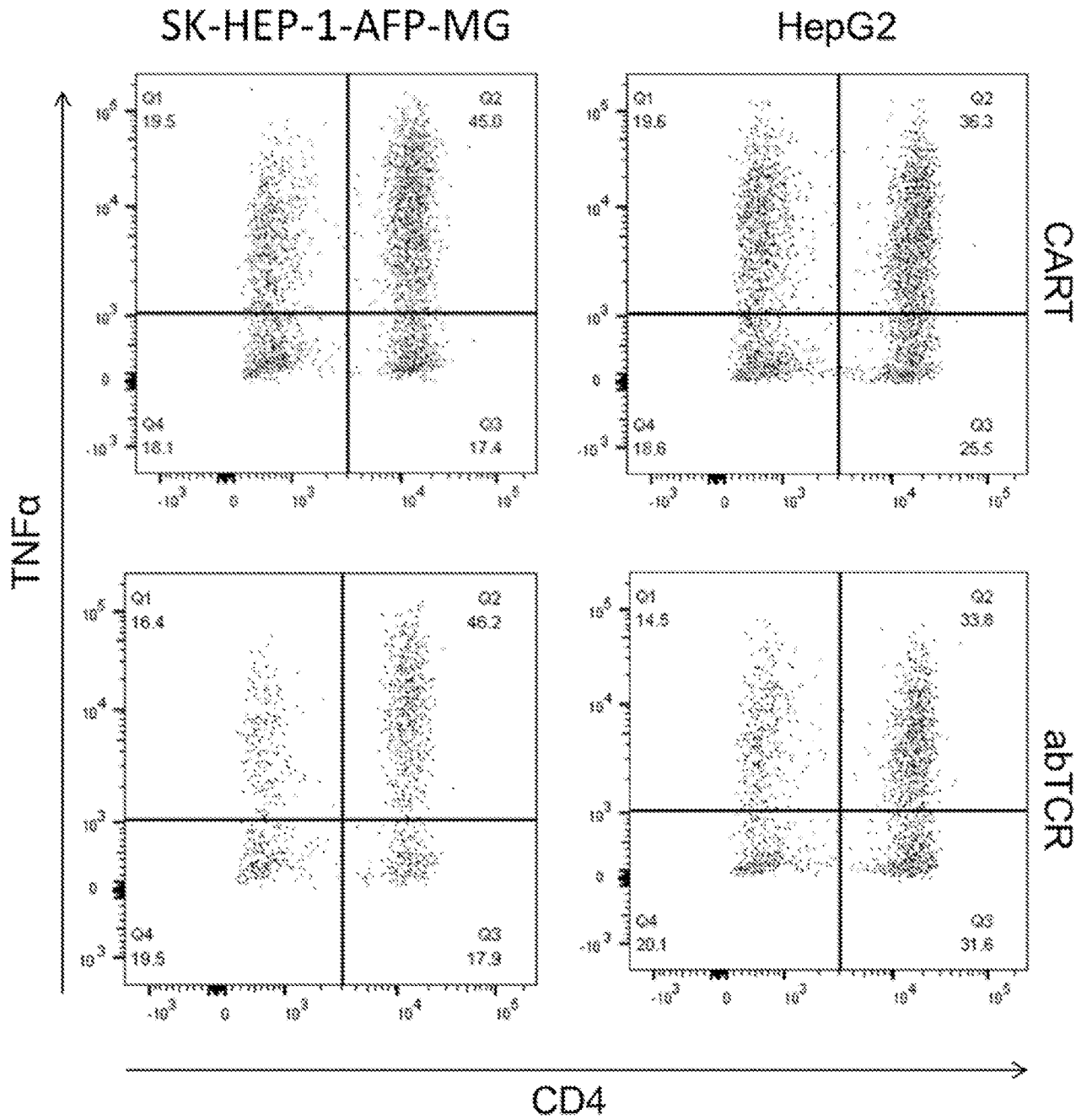


FIG. 12C

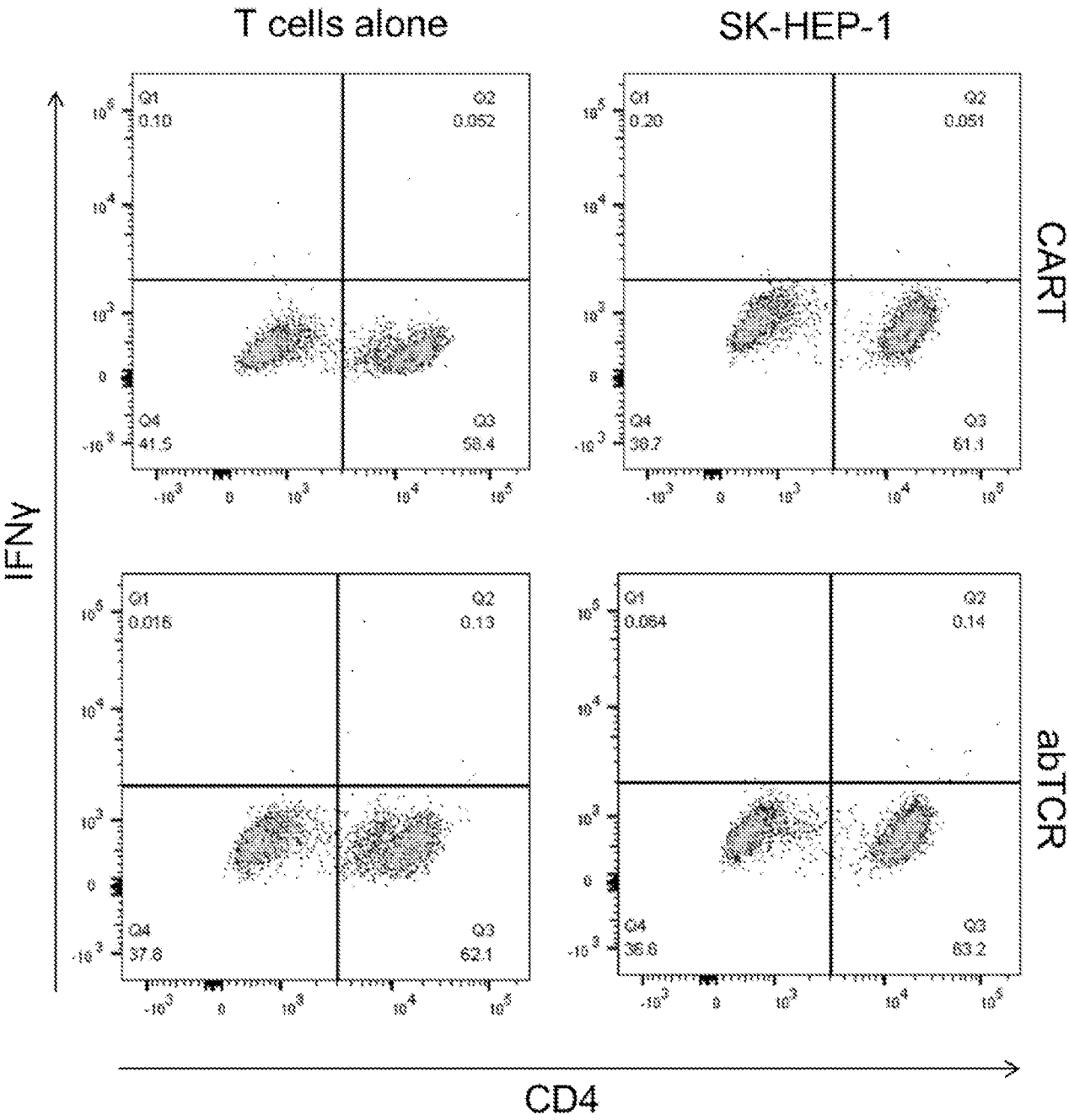


FIG. 12D

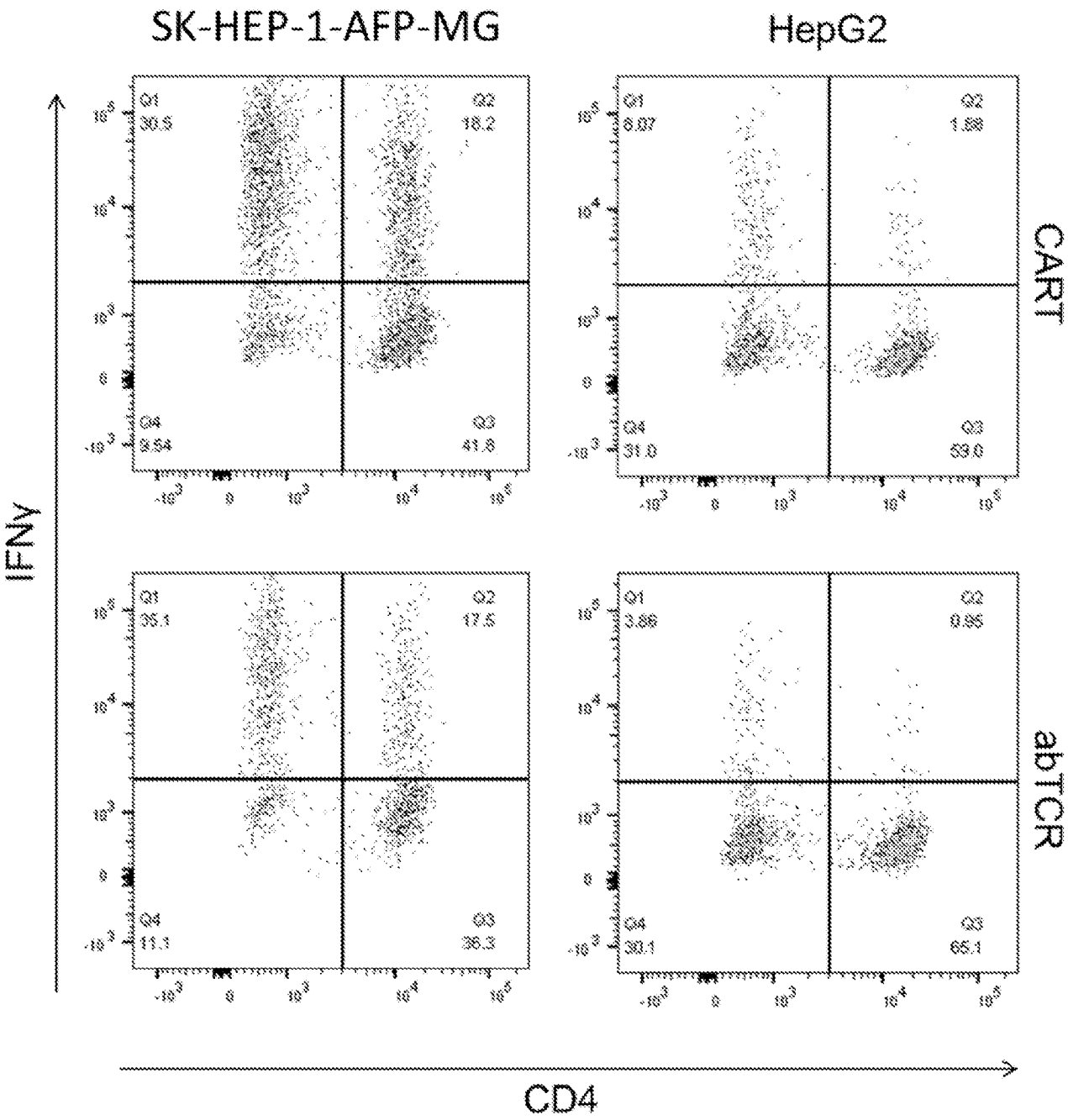


FIG. 12E

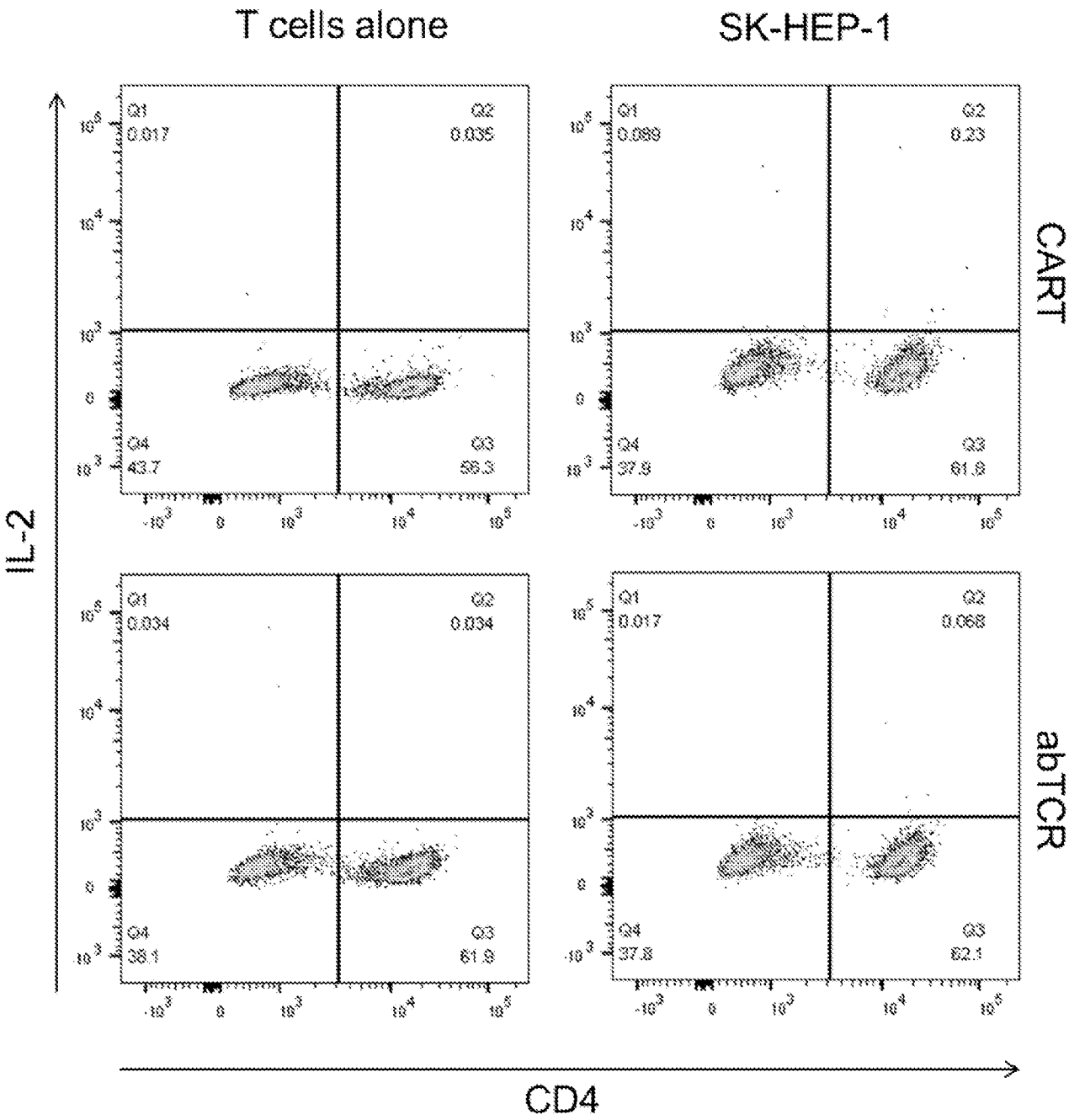


FIG. 12F

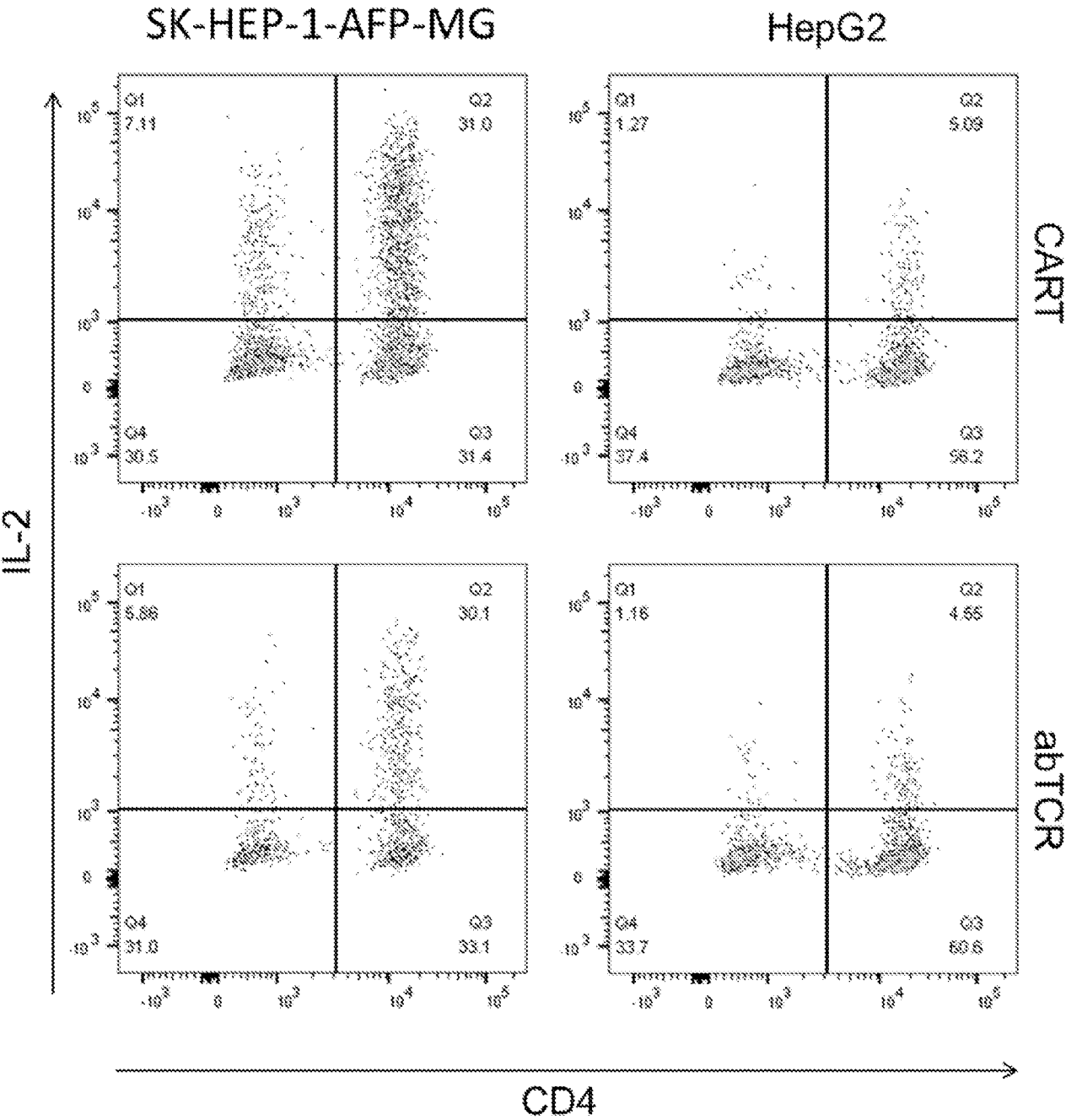


FIG. 12G

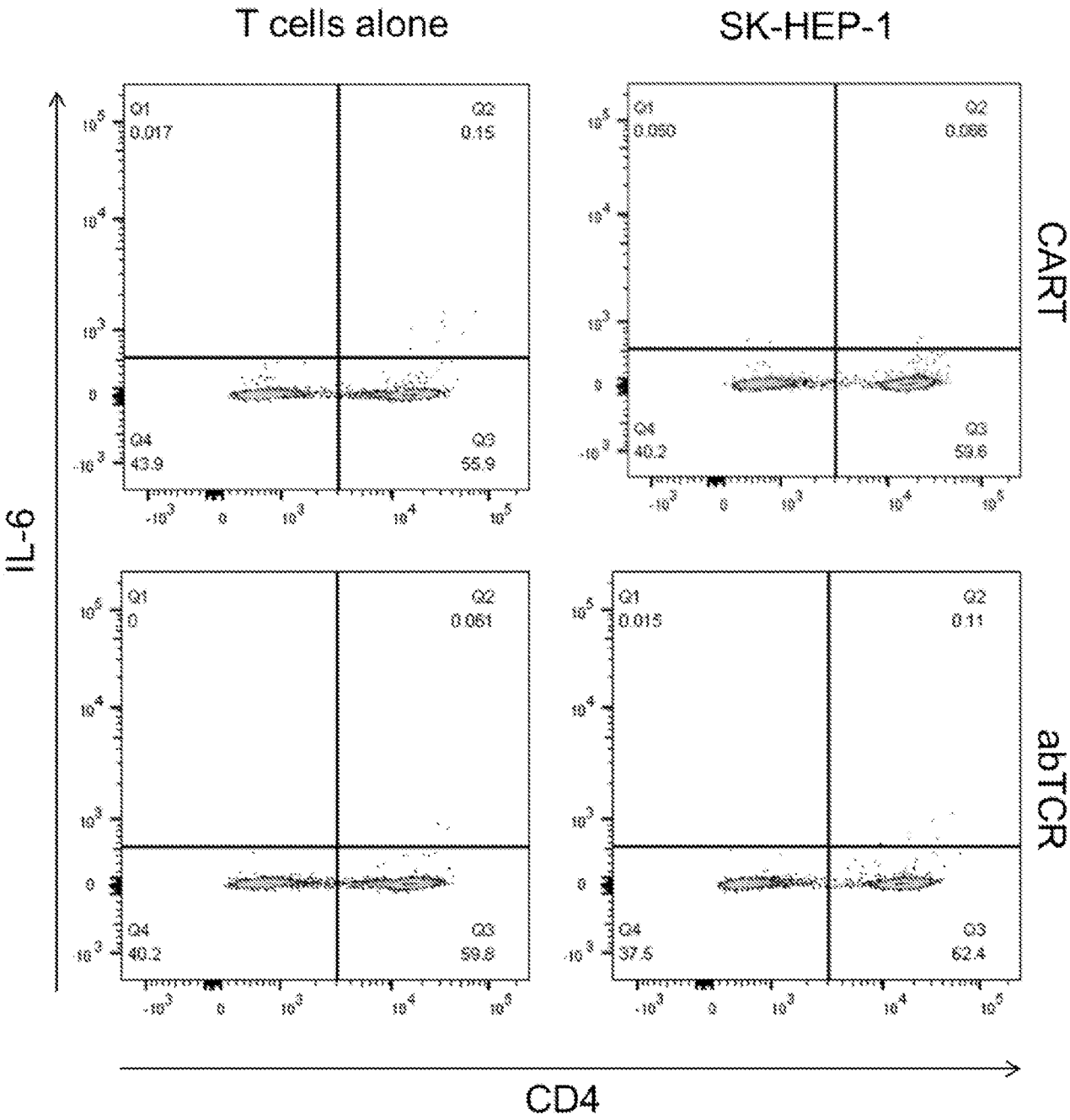


FIG. 12H

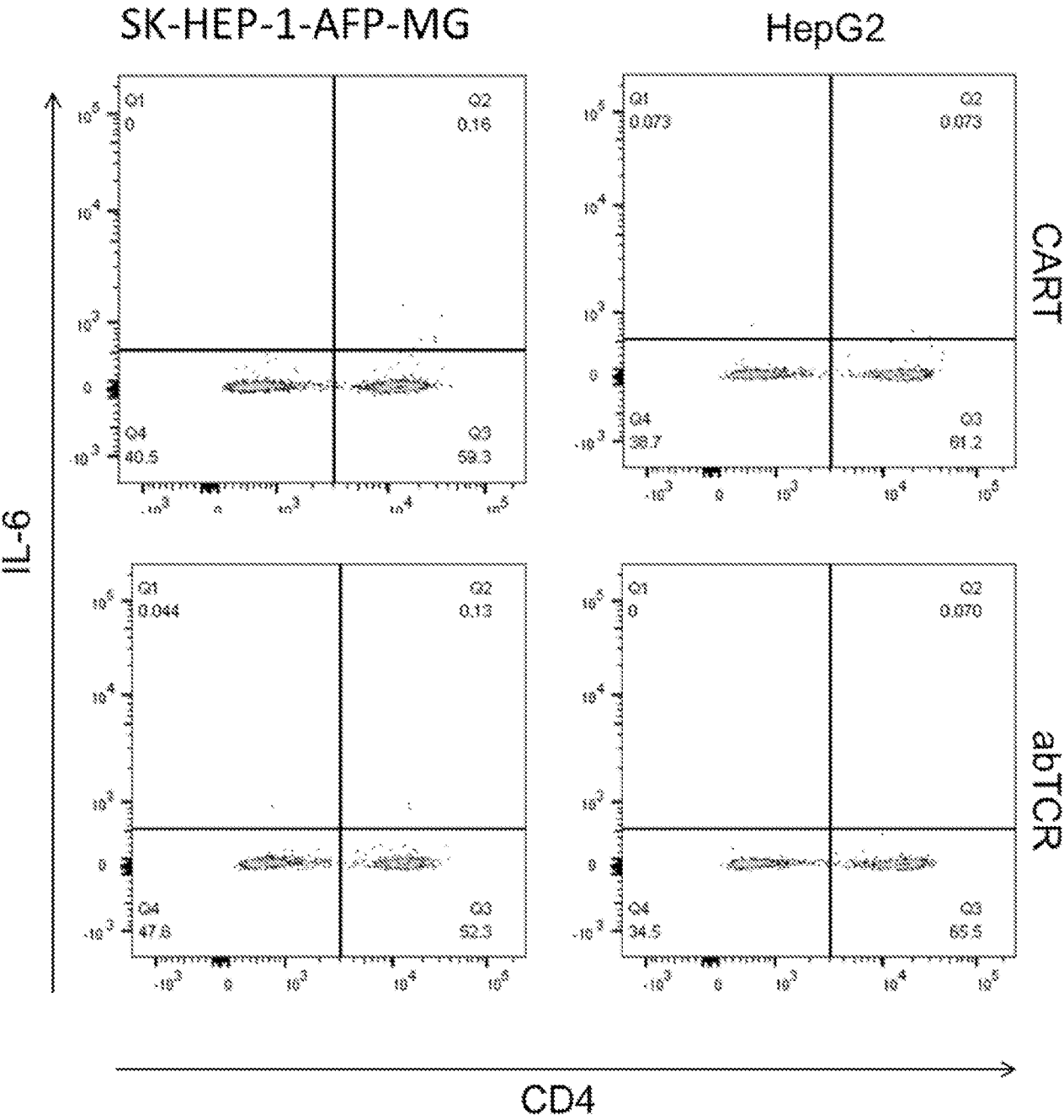


FIG. 13

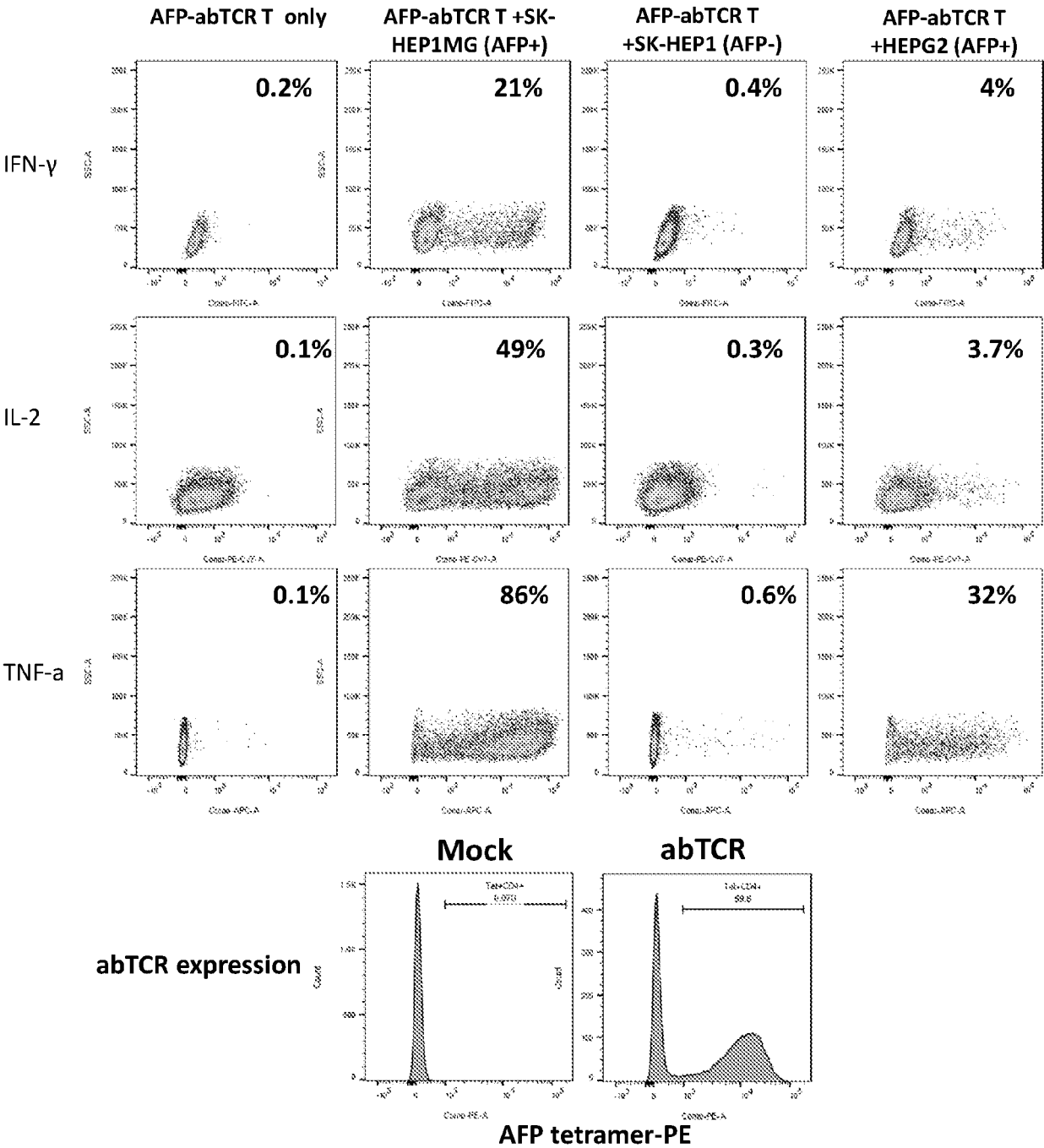
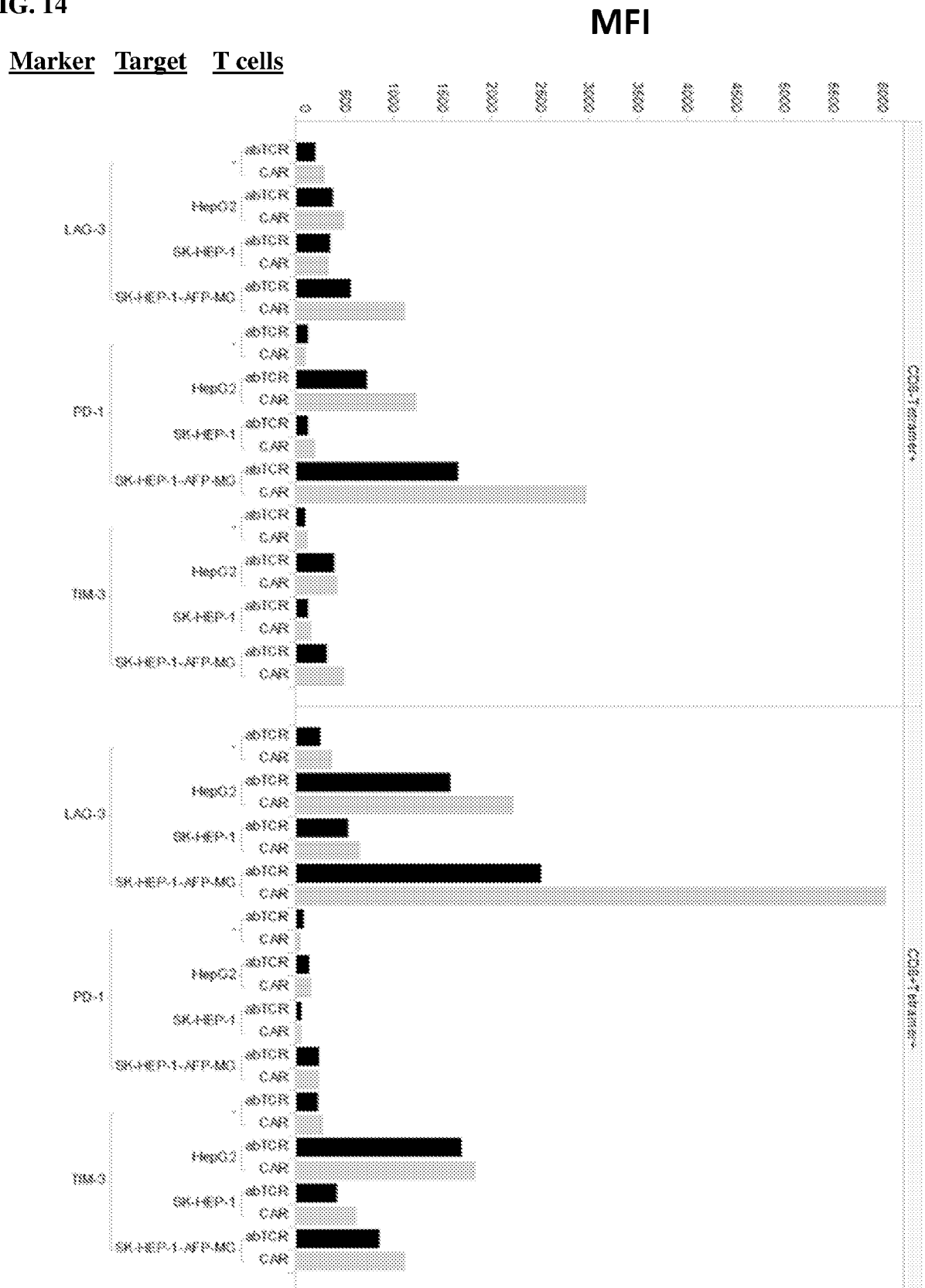
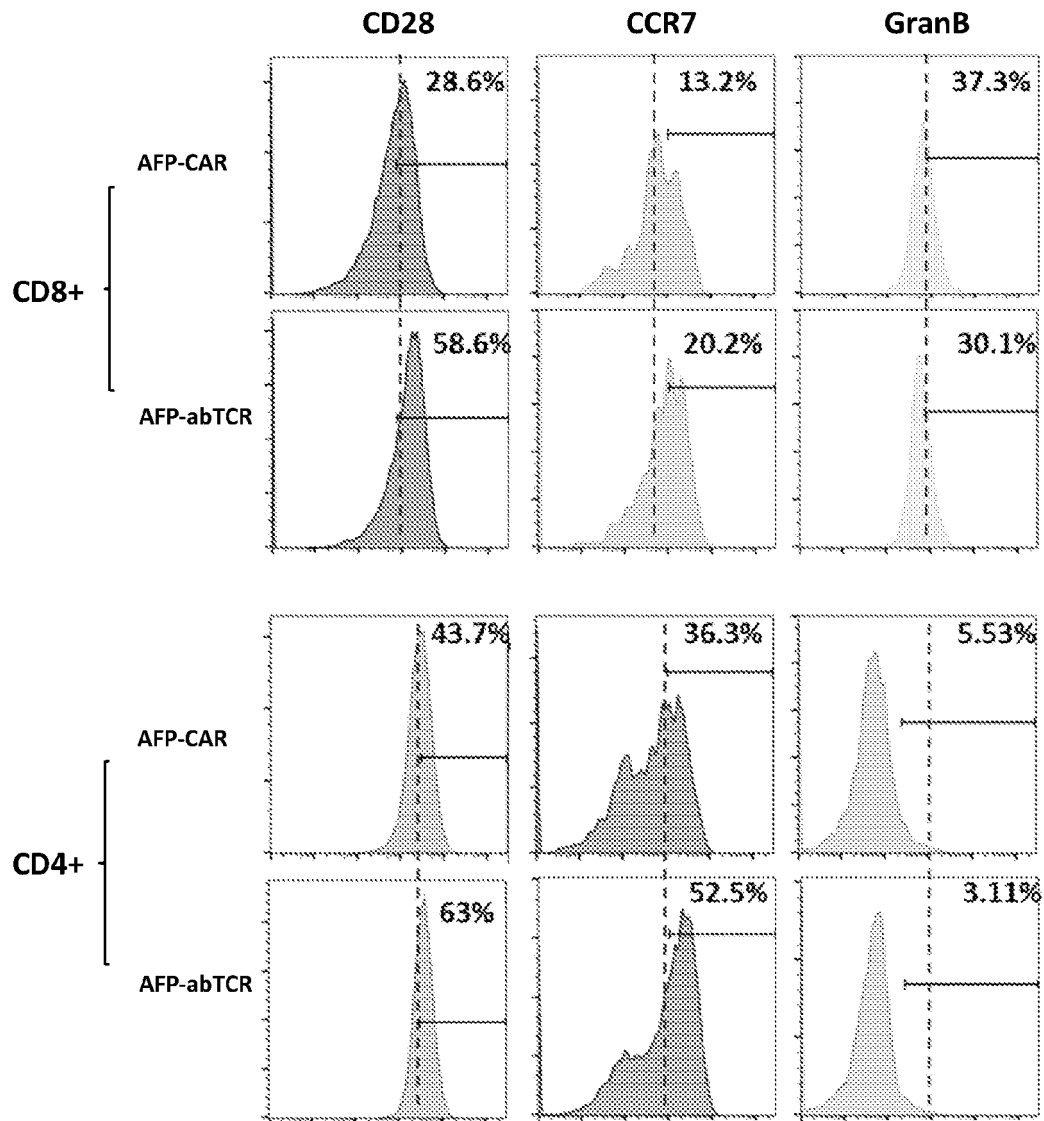


FIG. 14



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FIG. 15



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FIG. 16A

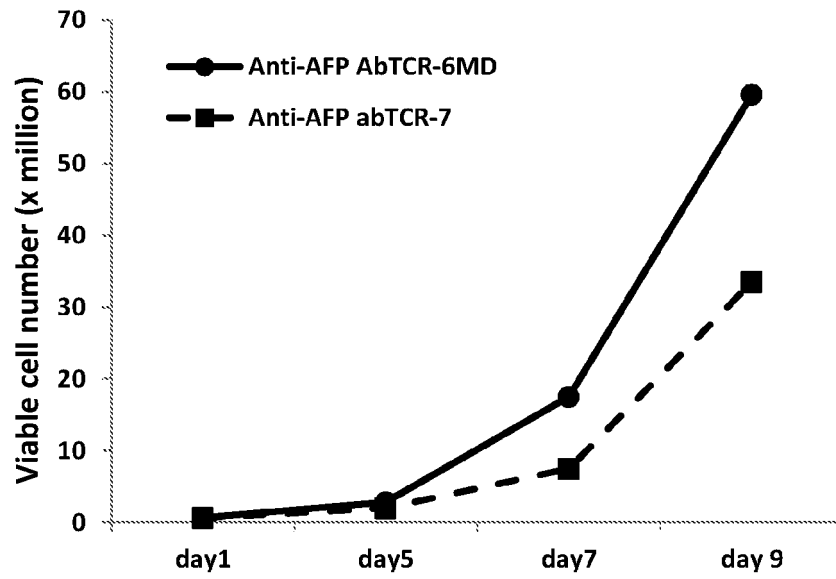
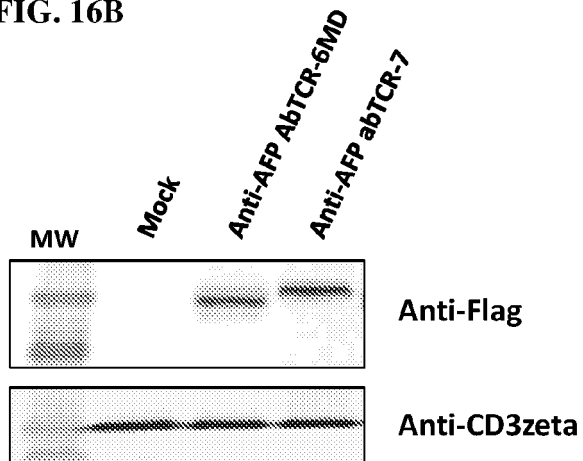


FIG. 16B



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FIG. 16C

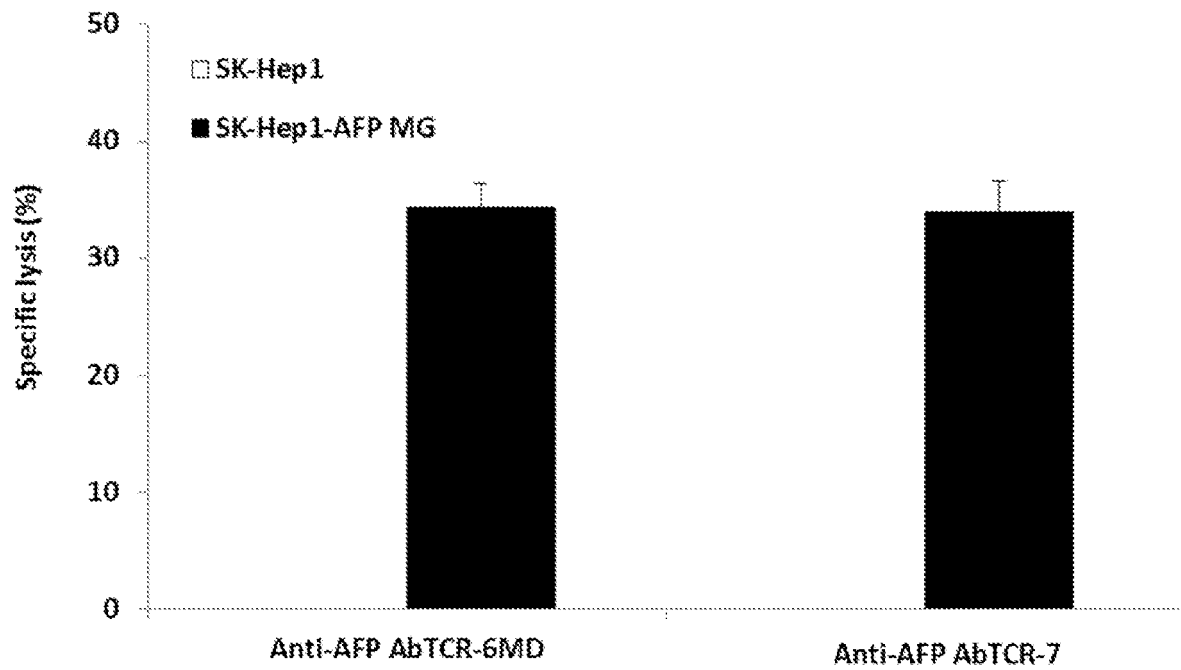


FIG. 17

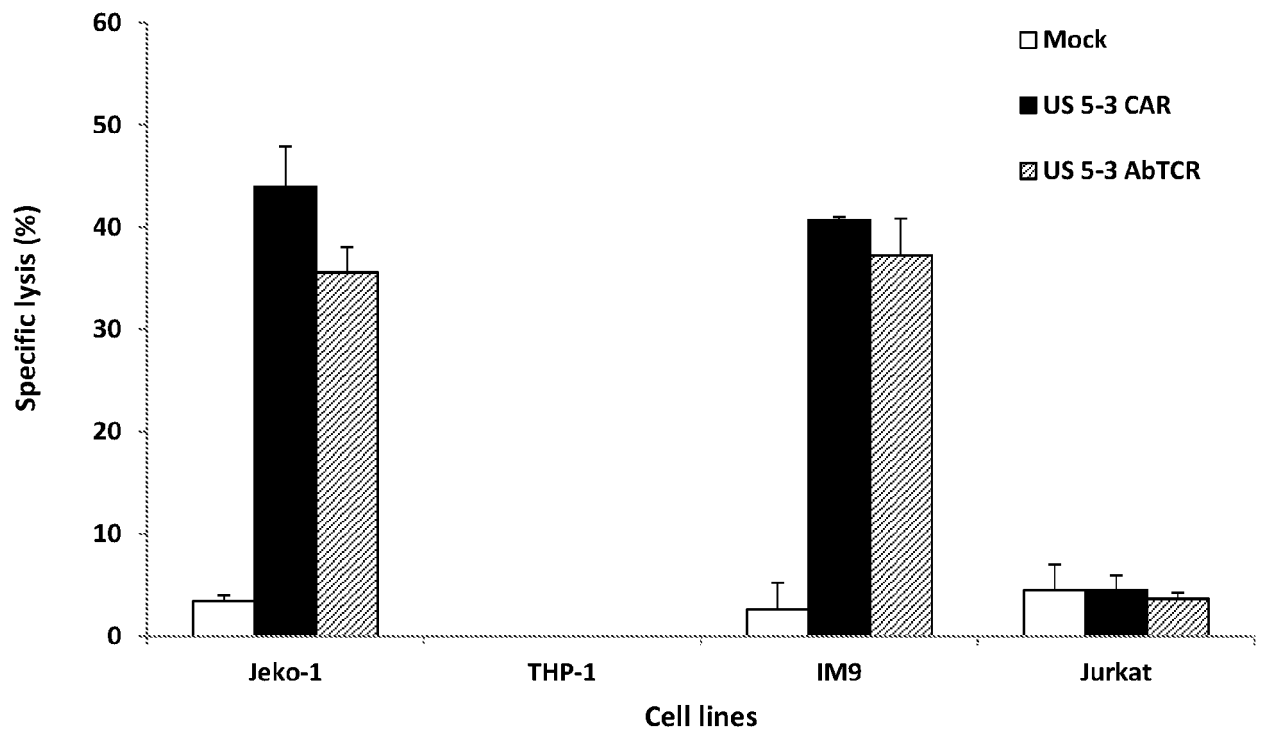


FIG. 18A

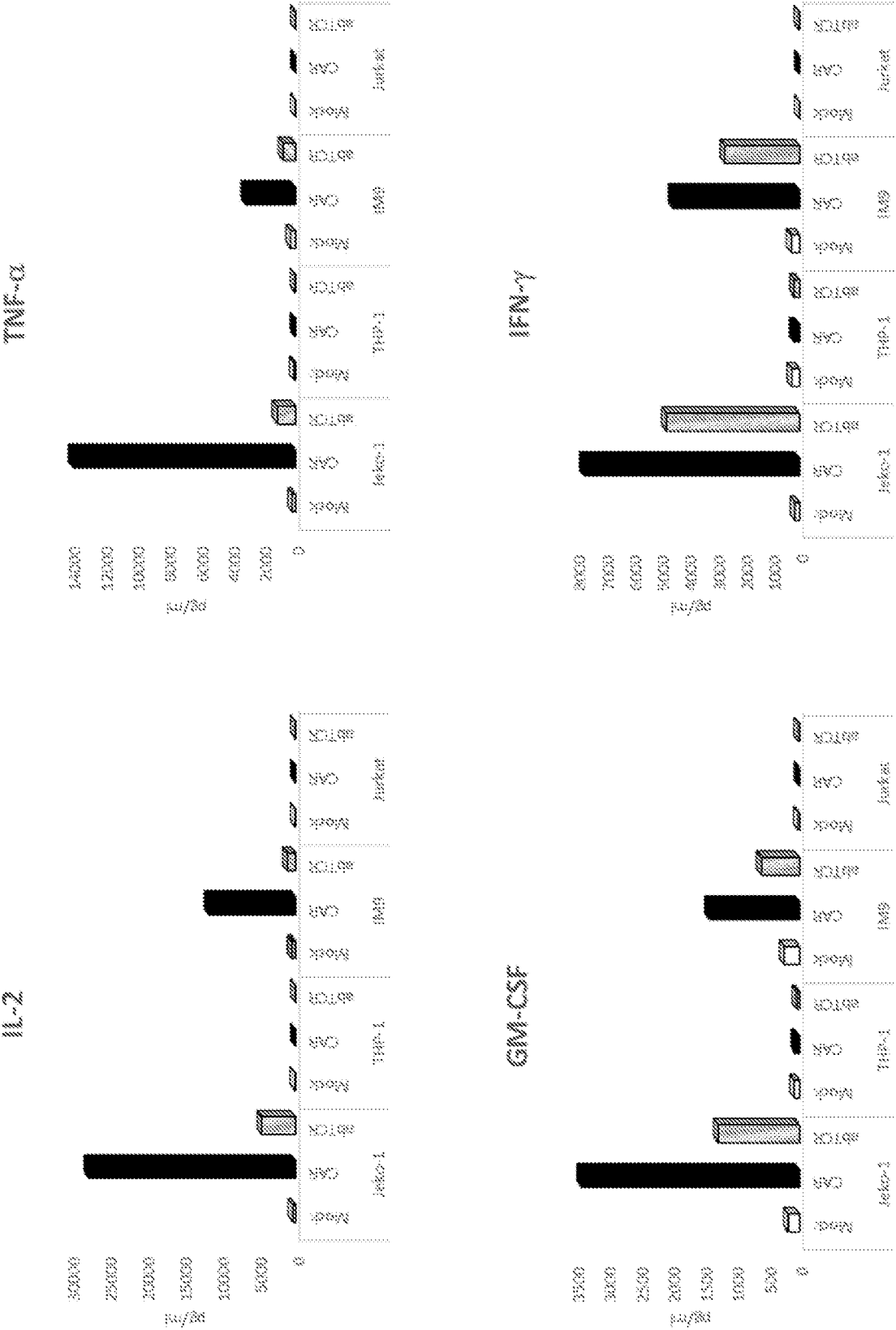


FIG. 18B

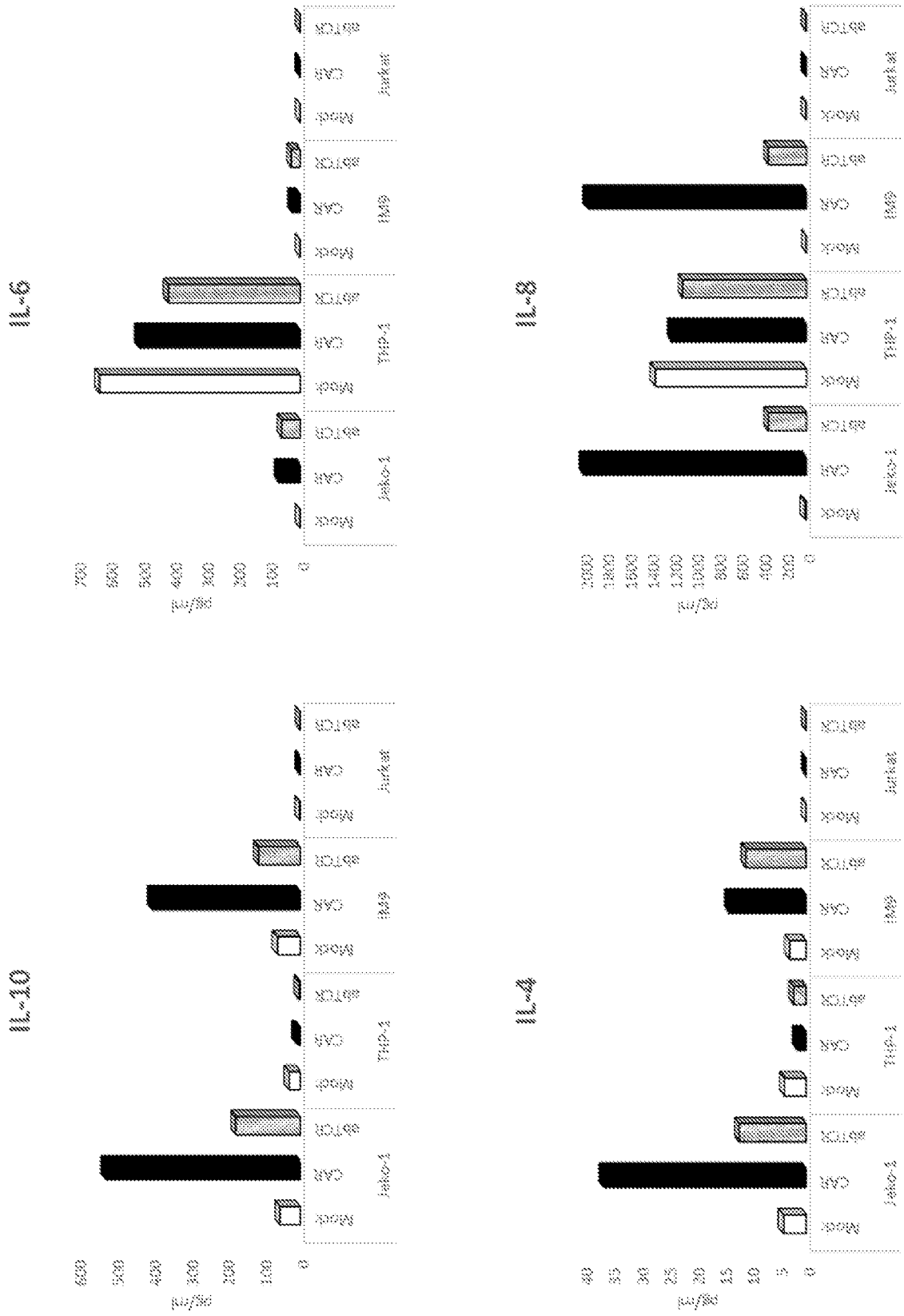
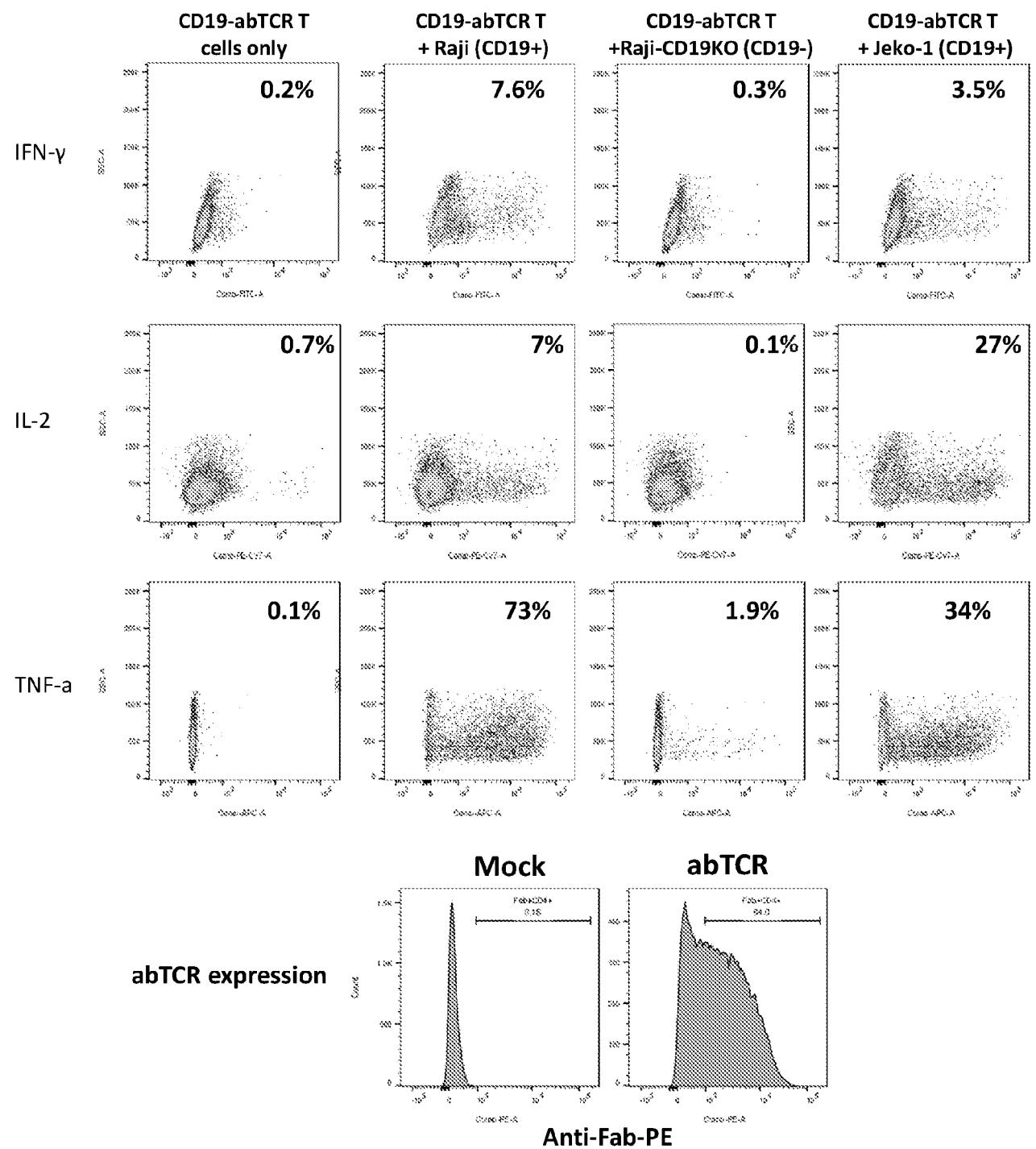


FIG. 19



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FIG. 20

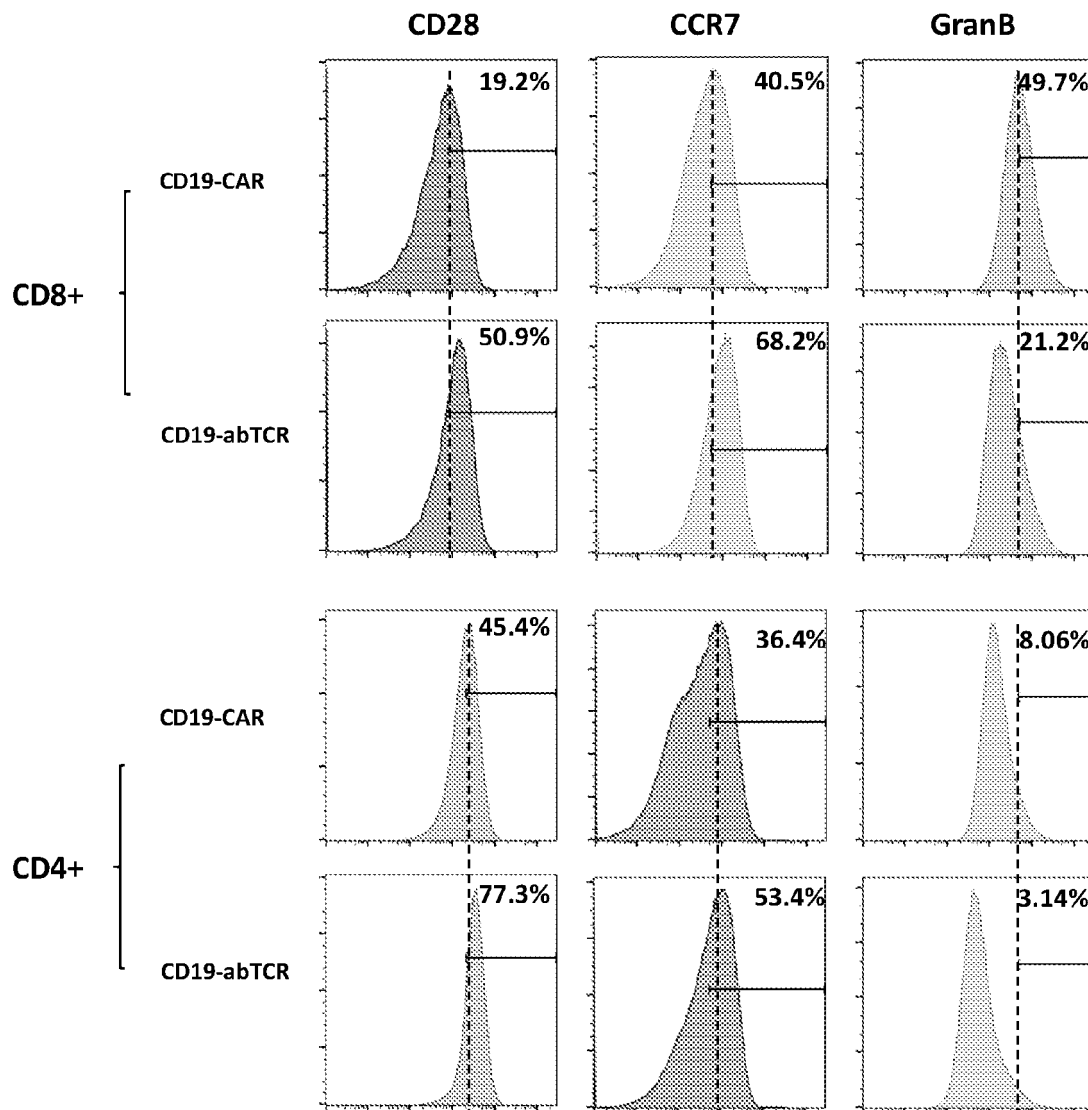


FIG. 21

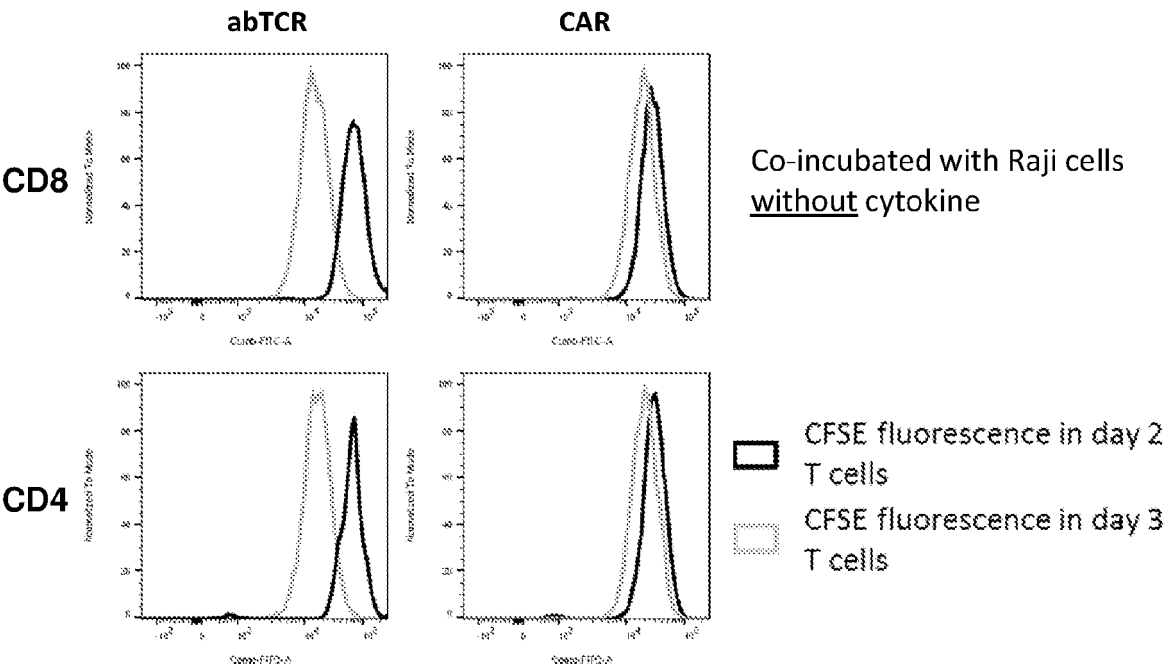
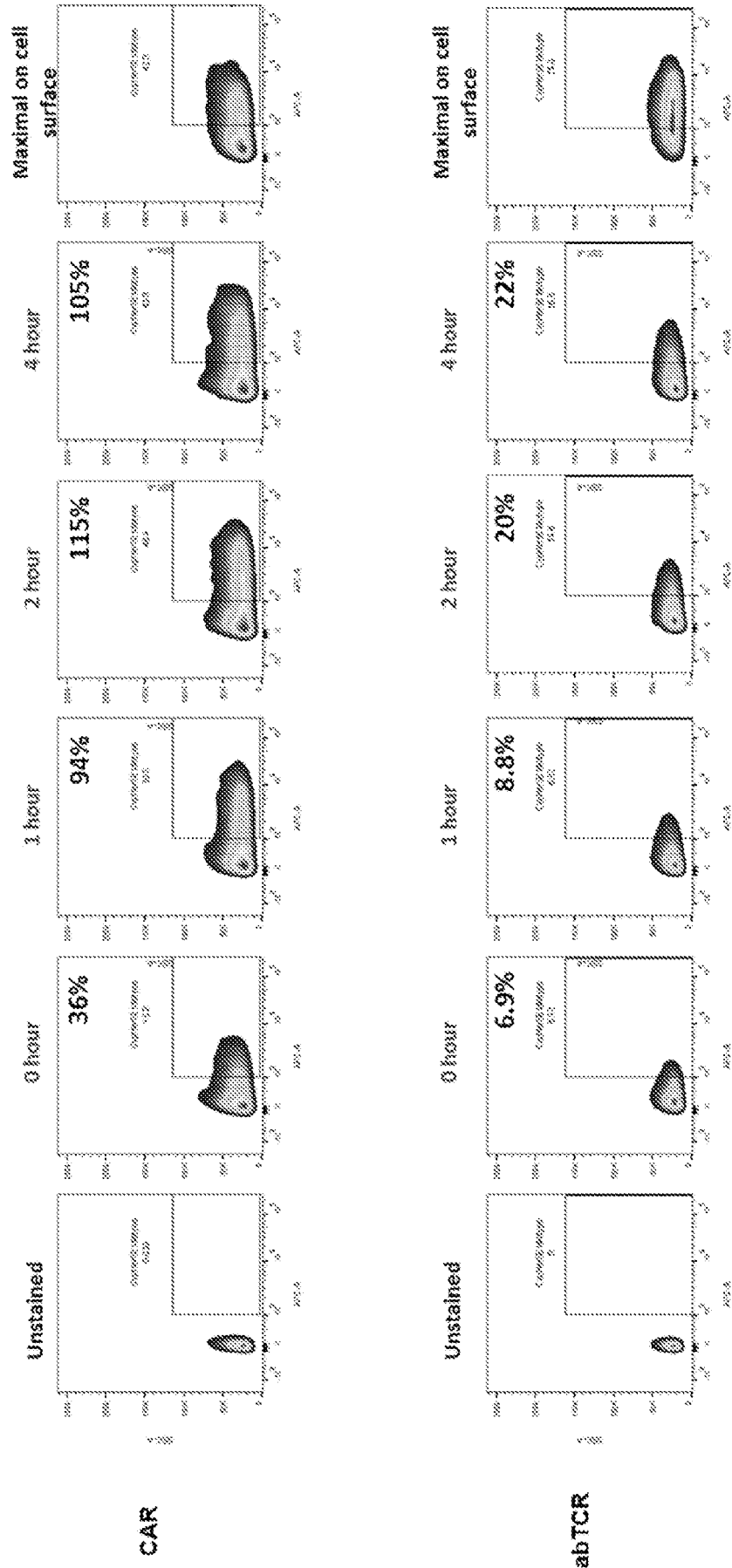


FIG. 22



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FIG. 23A

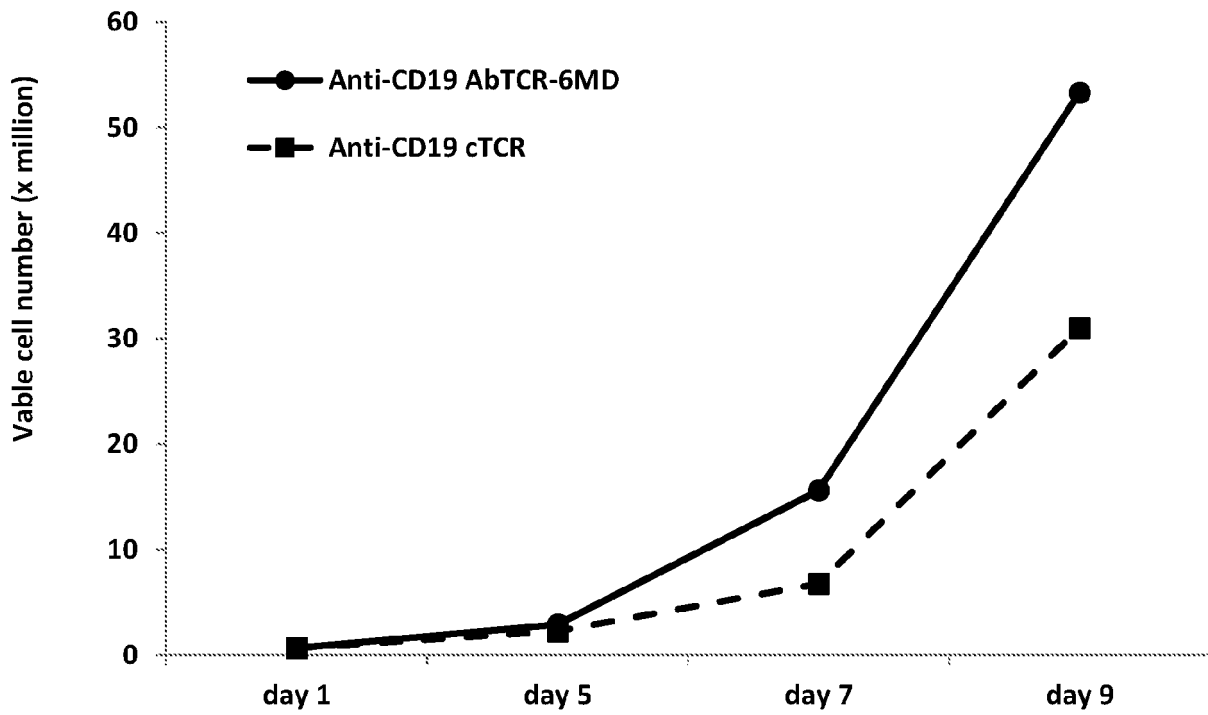


FIG. 23B

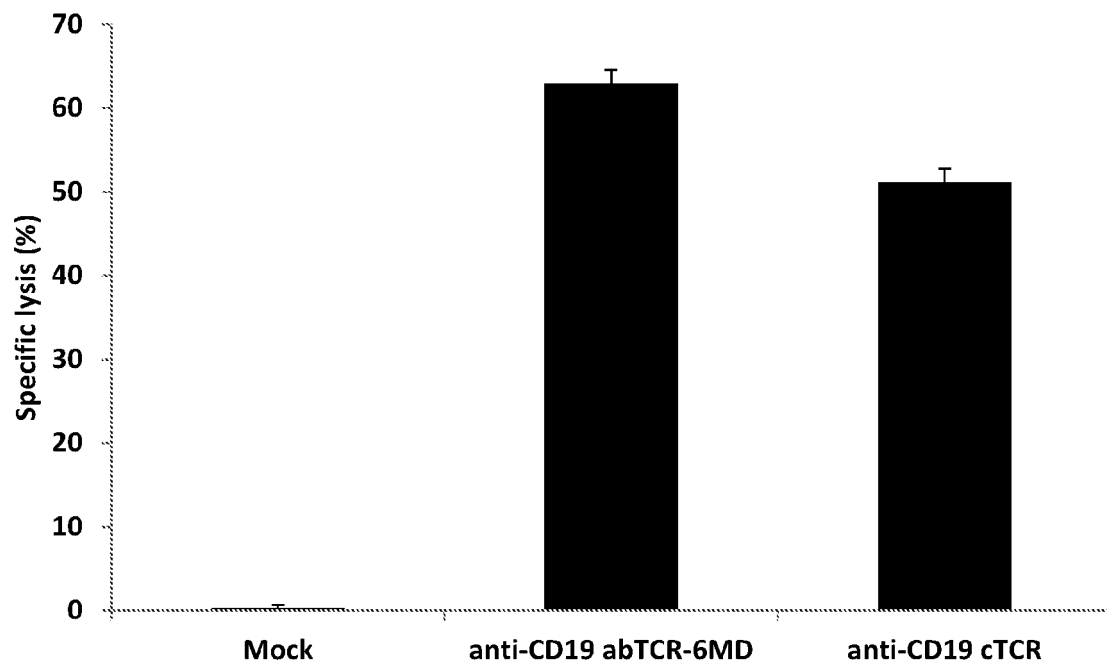
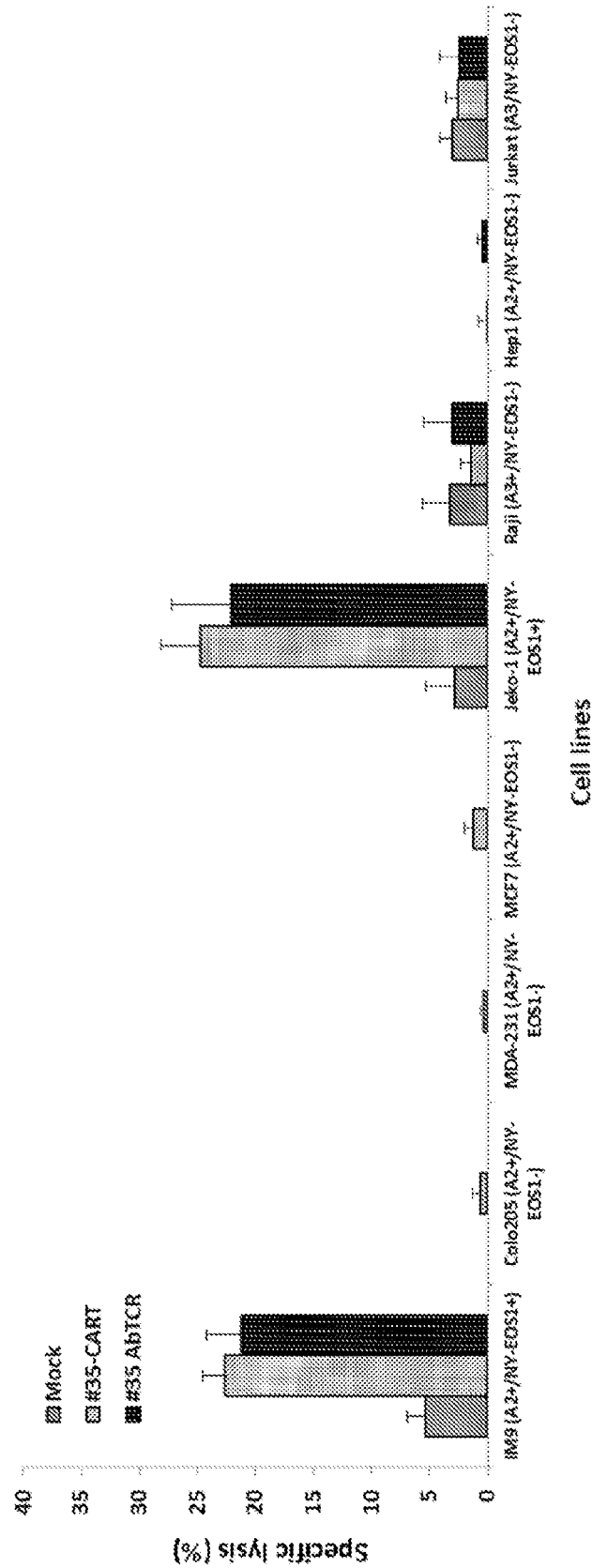


FIG. 24



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FIG. 25A

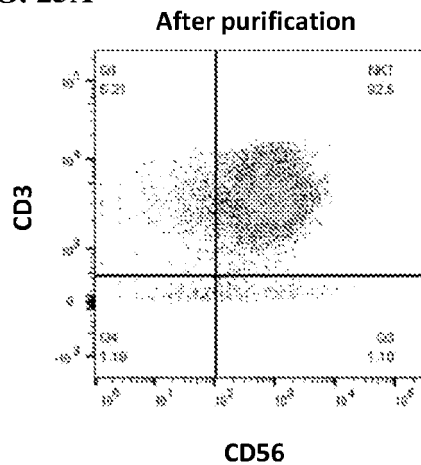
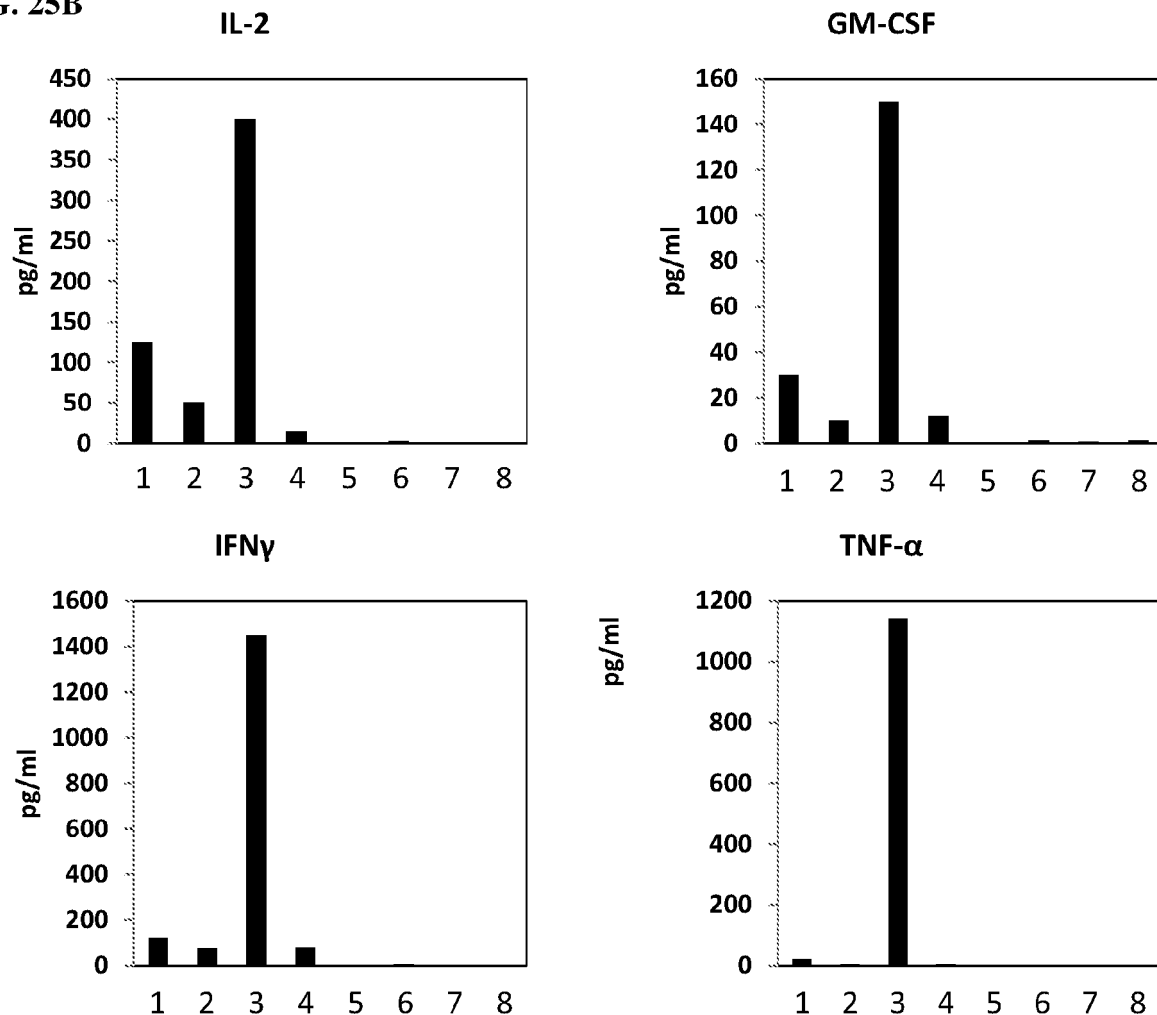


FIG. 25B



1: Mock + Raji

2: Mock + Raji-CD19ko

3: abTCR + Raji

4: abTCR + Raji-CD19ko

5: Mock alone

6: abTCR alone

7: Raji alone

8: Raji-CD19ko alone

FIG. 26A

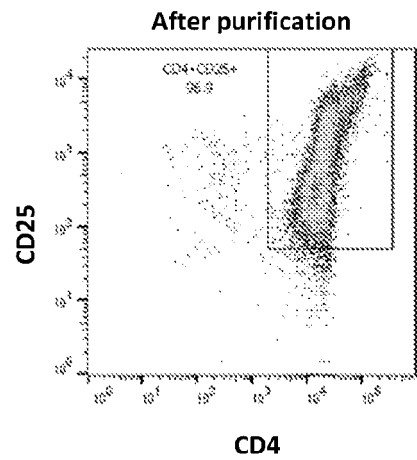
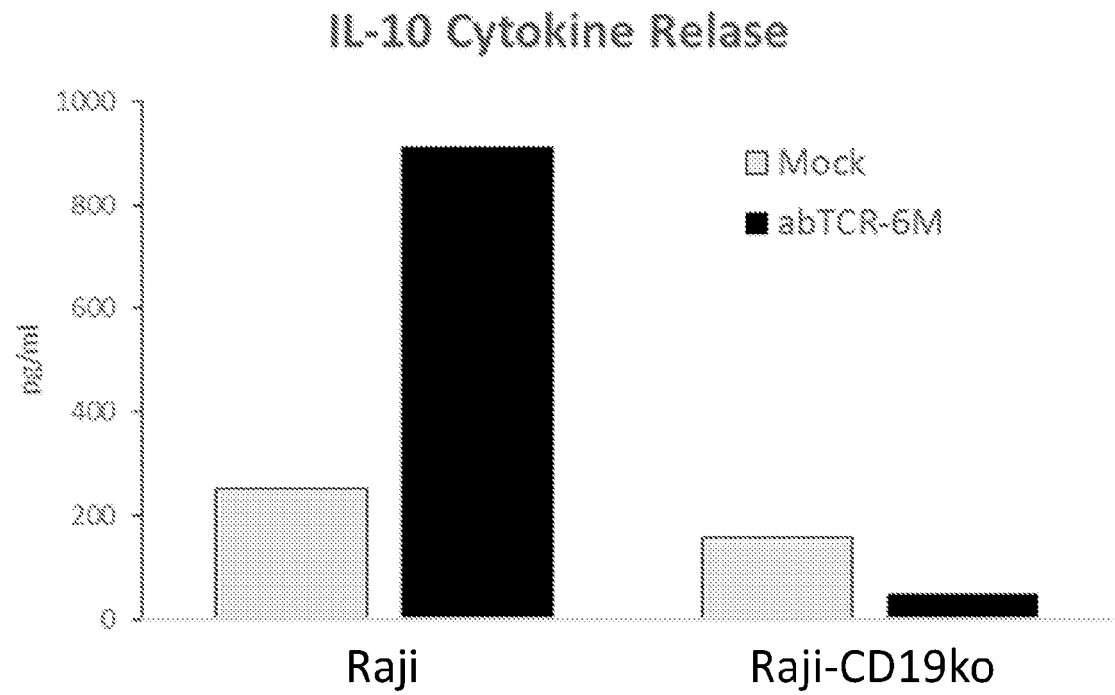


FIG. 26B



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FIG. 27

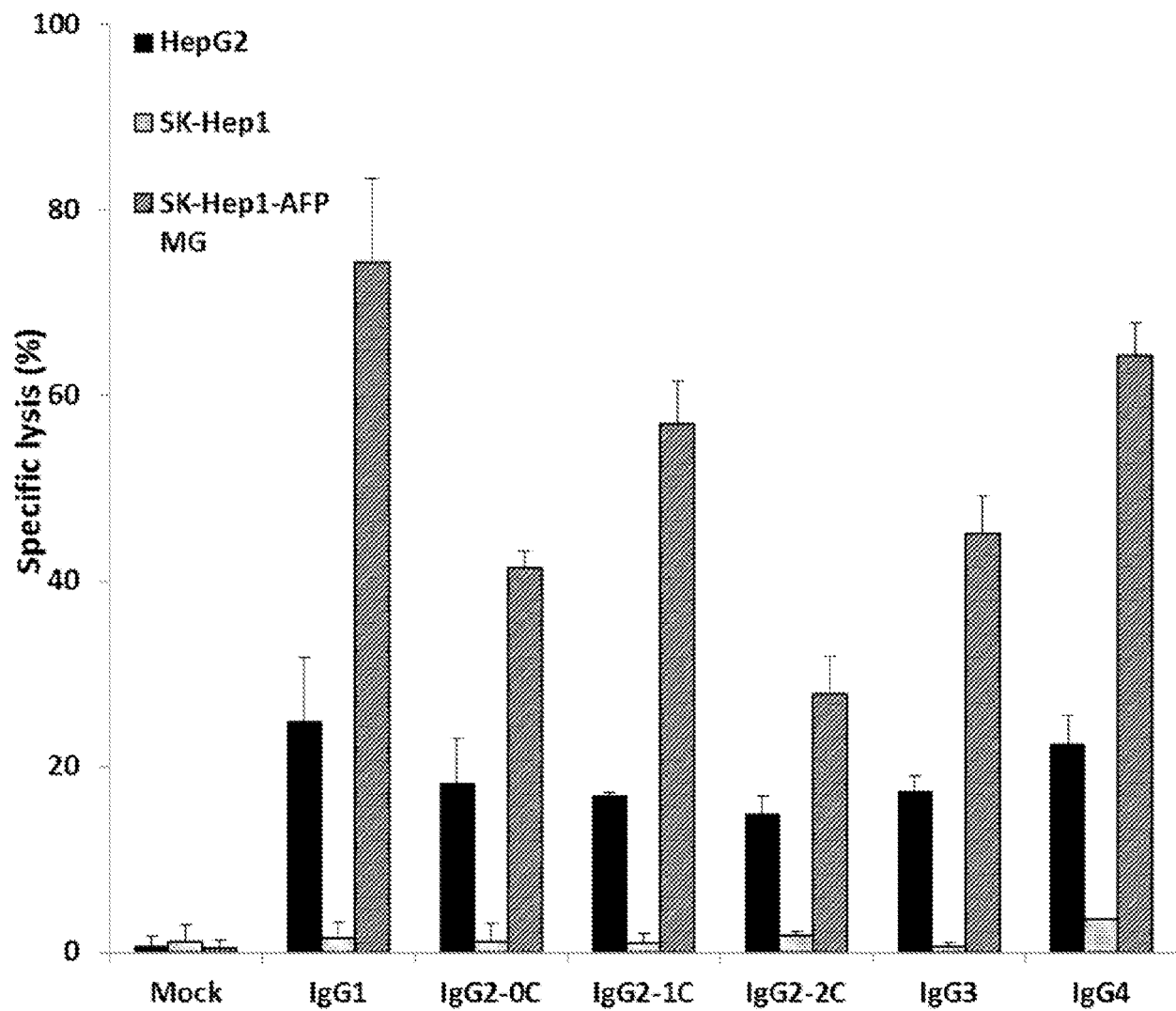


FIG. 28

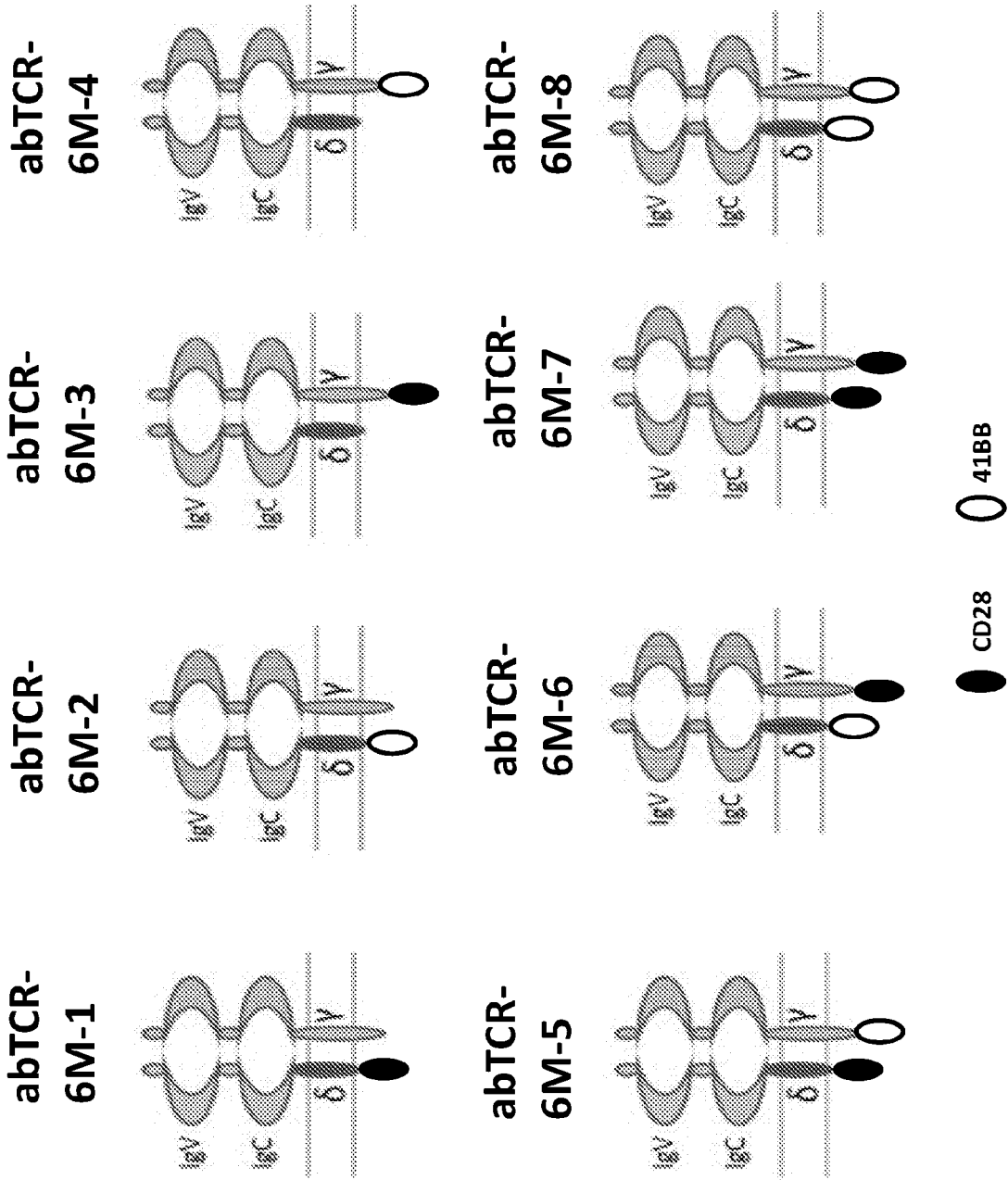
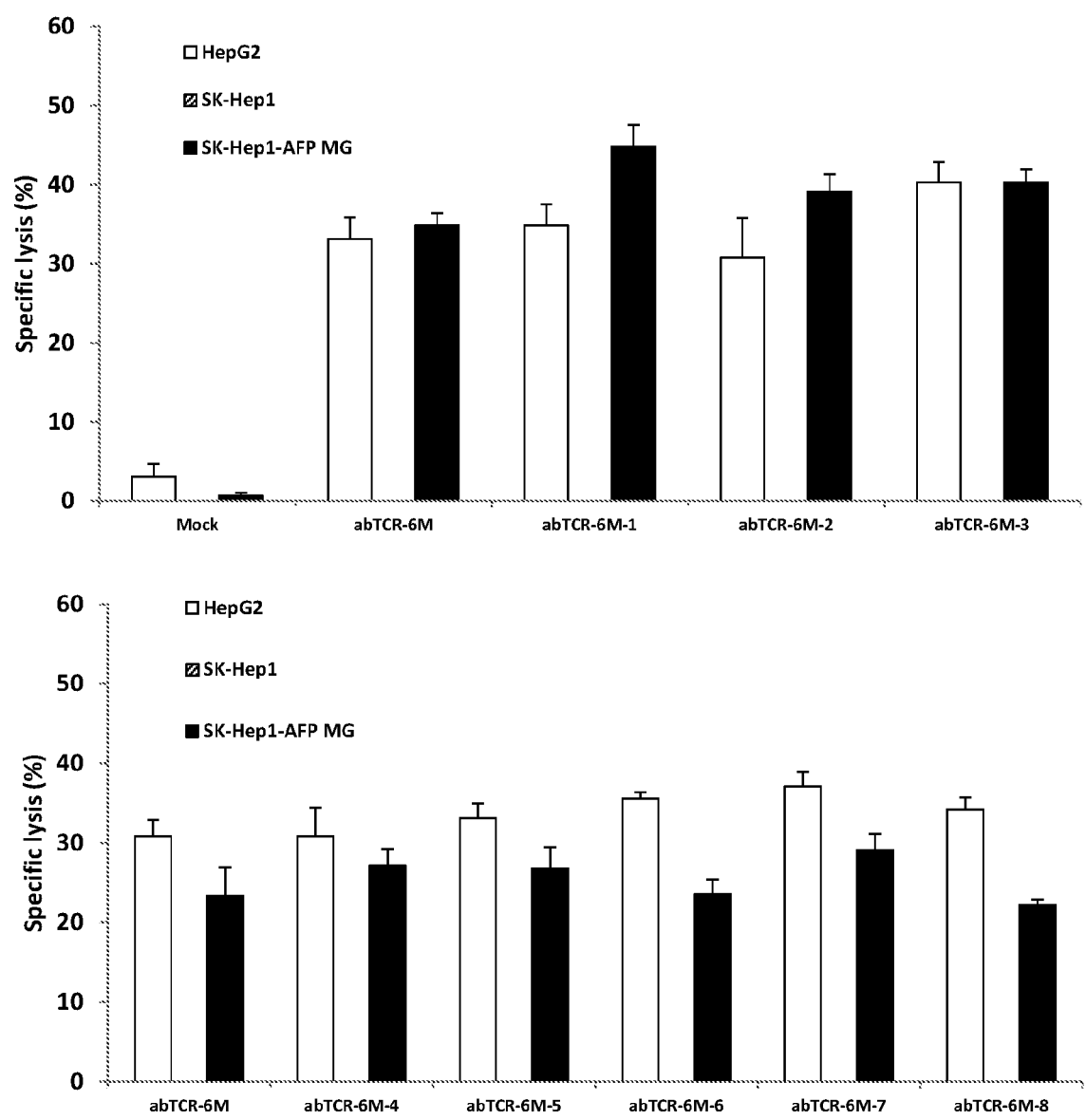
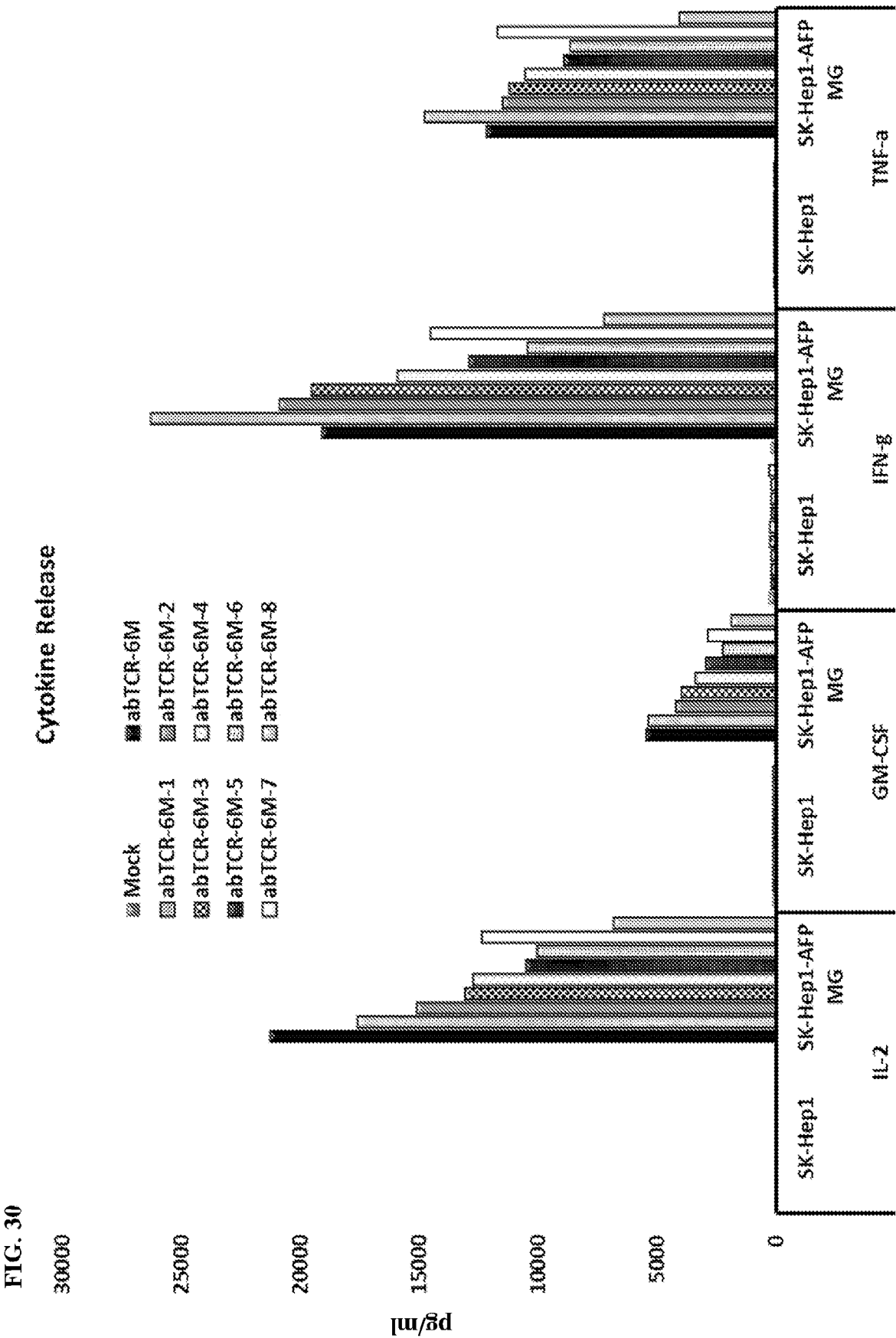


FIG. 29





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FIG. 31

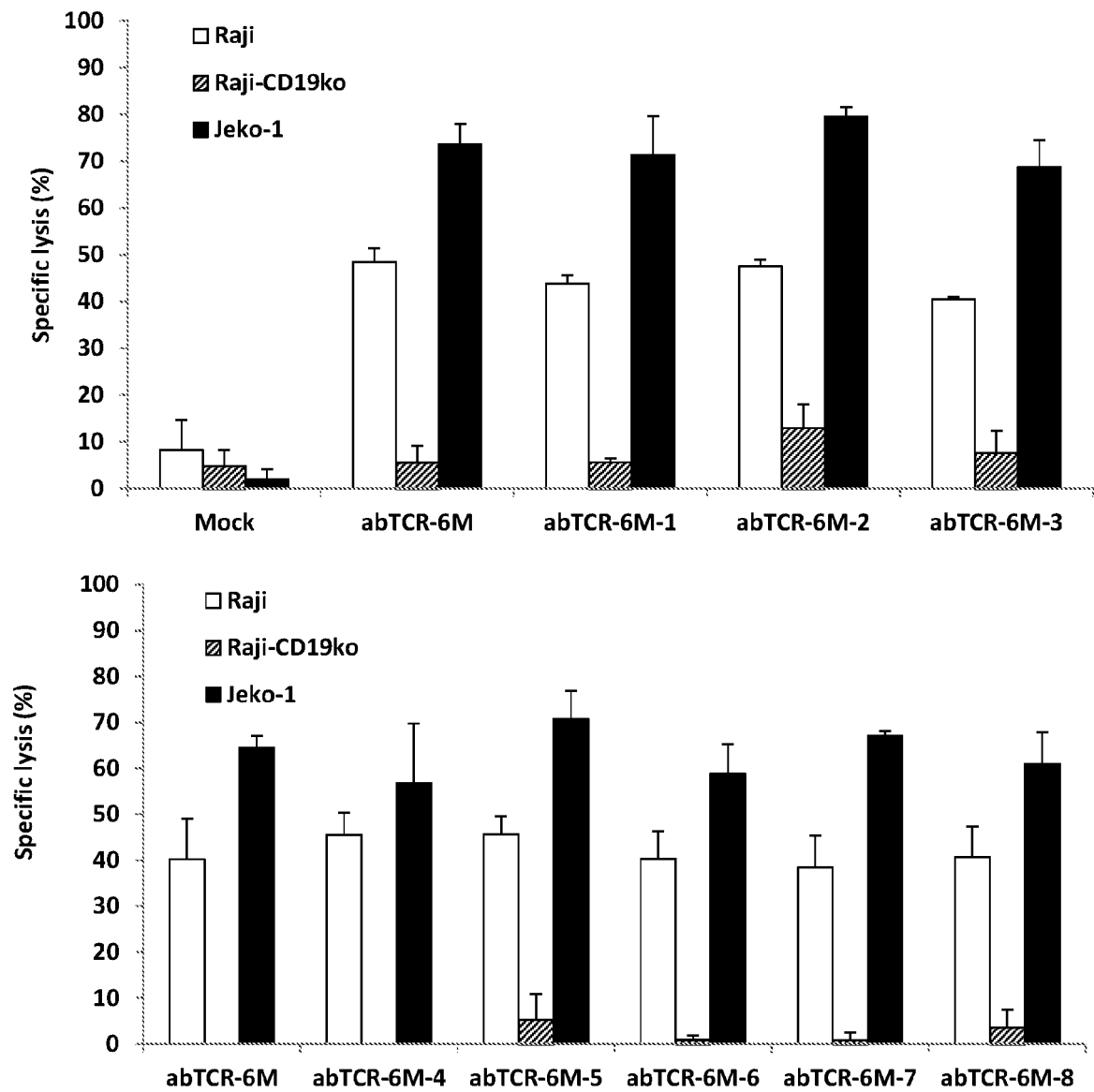
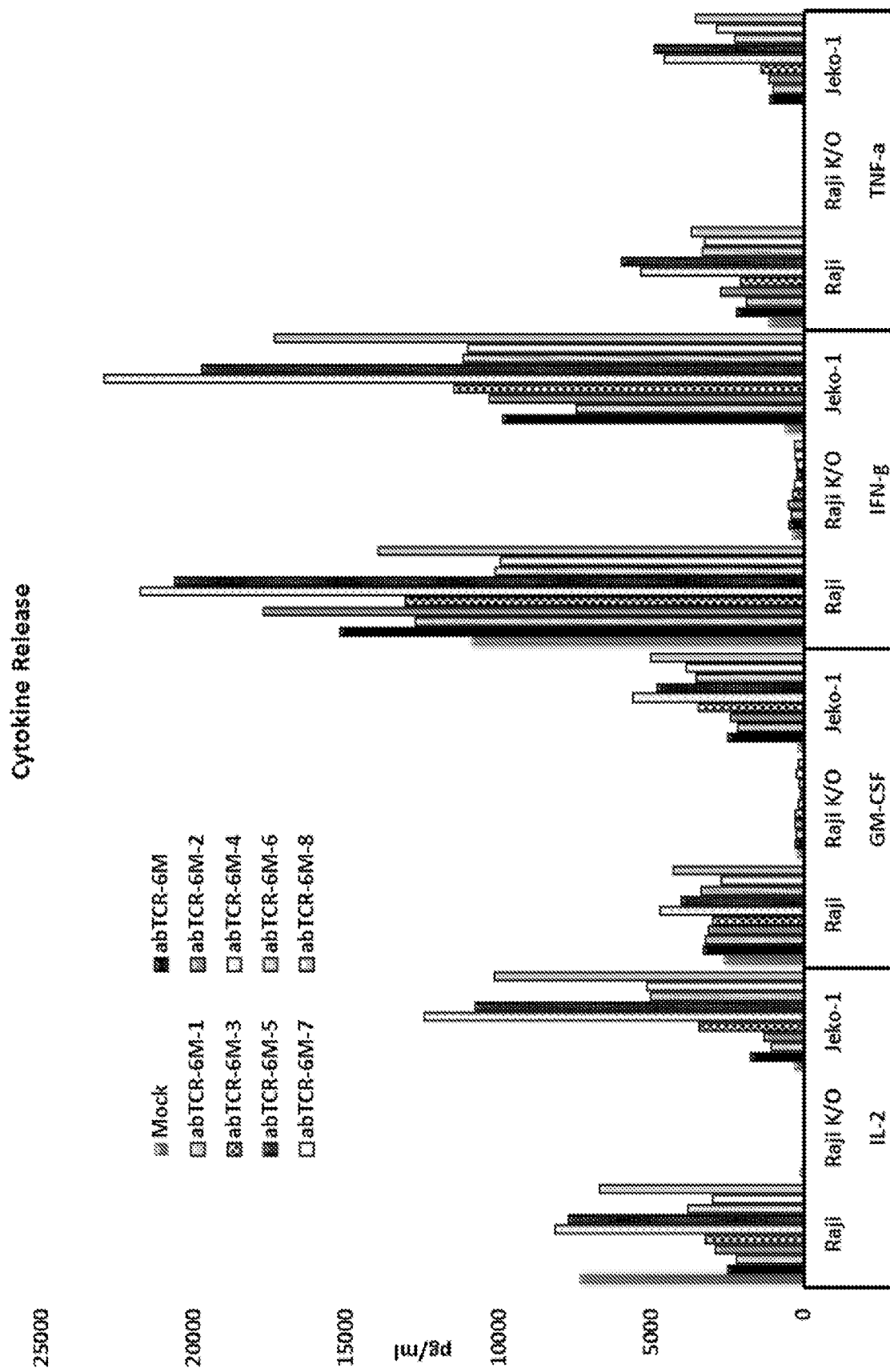
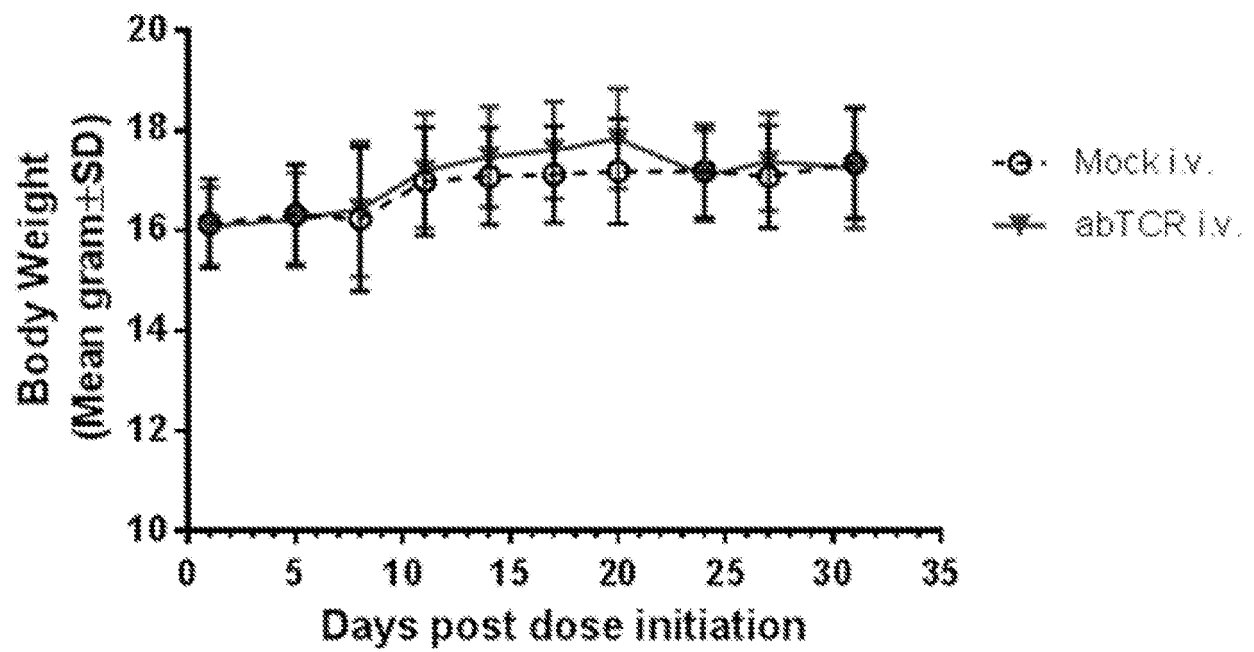


FIG. 32



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FIG. 33



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FIG. 34A

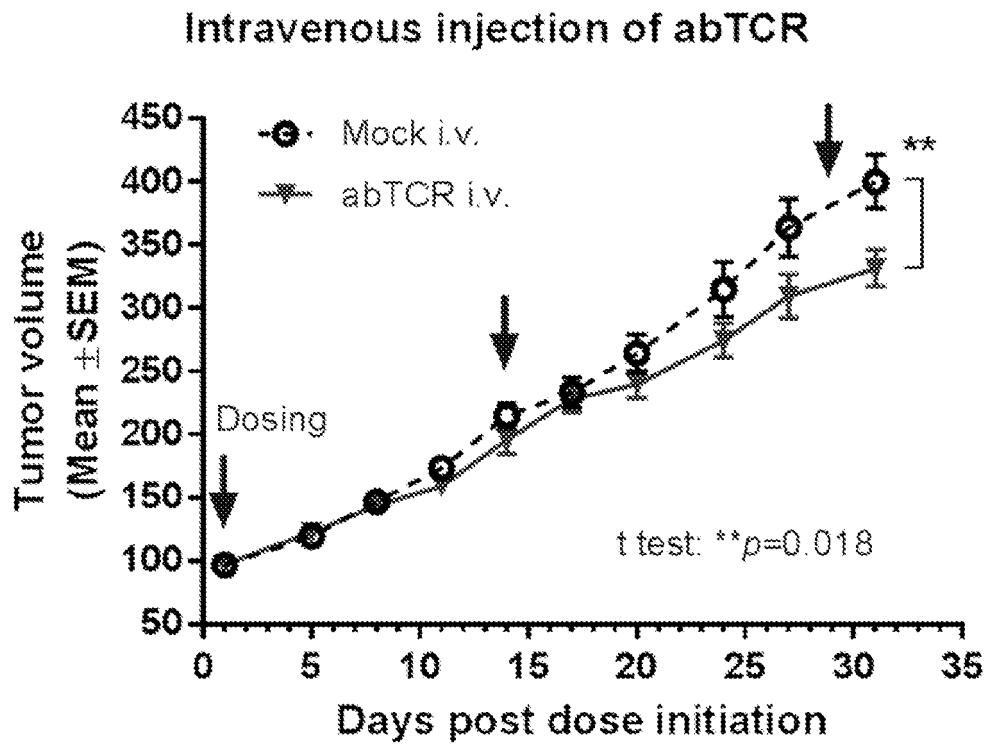
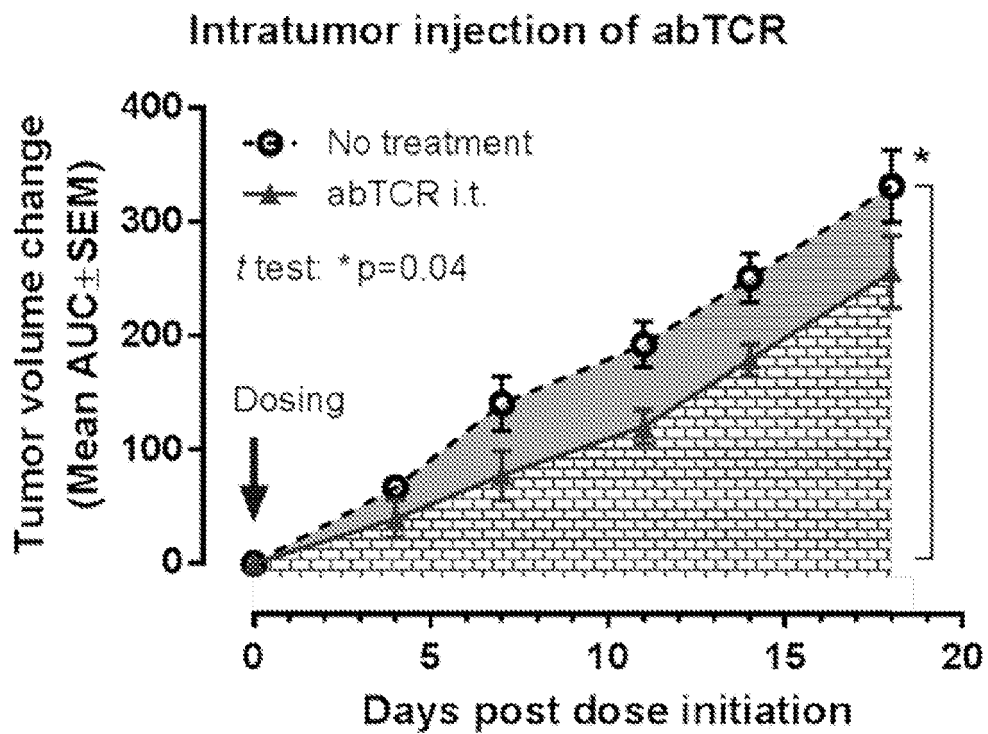
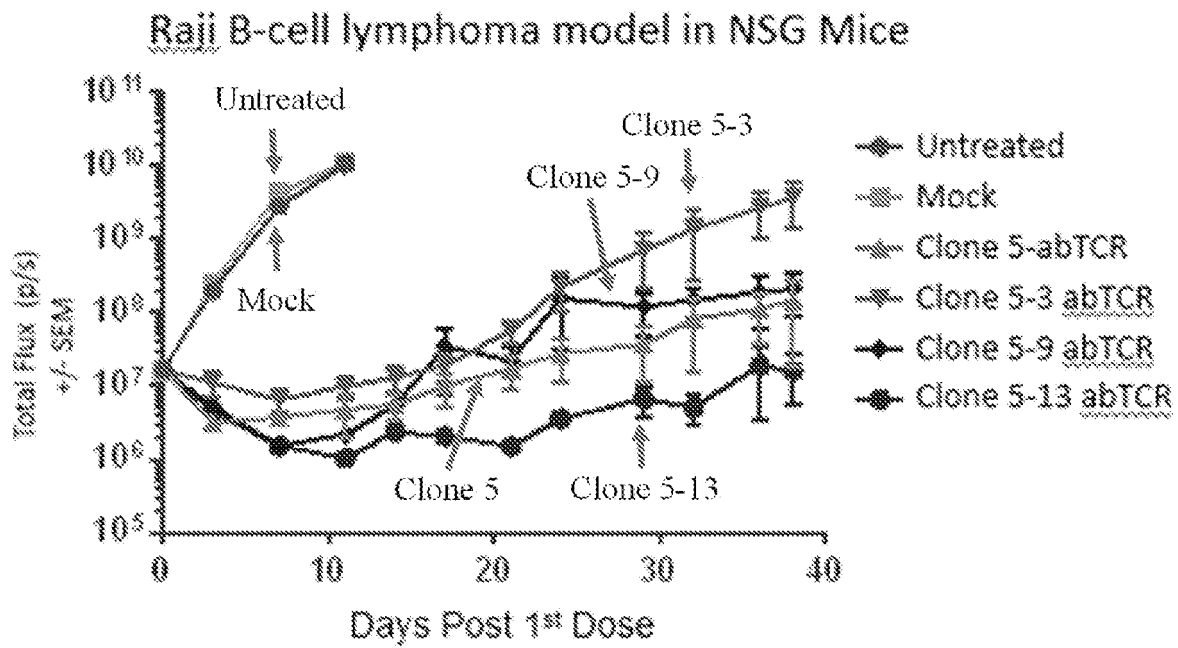


FIG. 34B



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FIG. 35



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FIG. 36

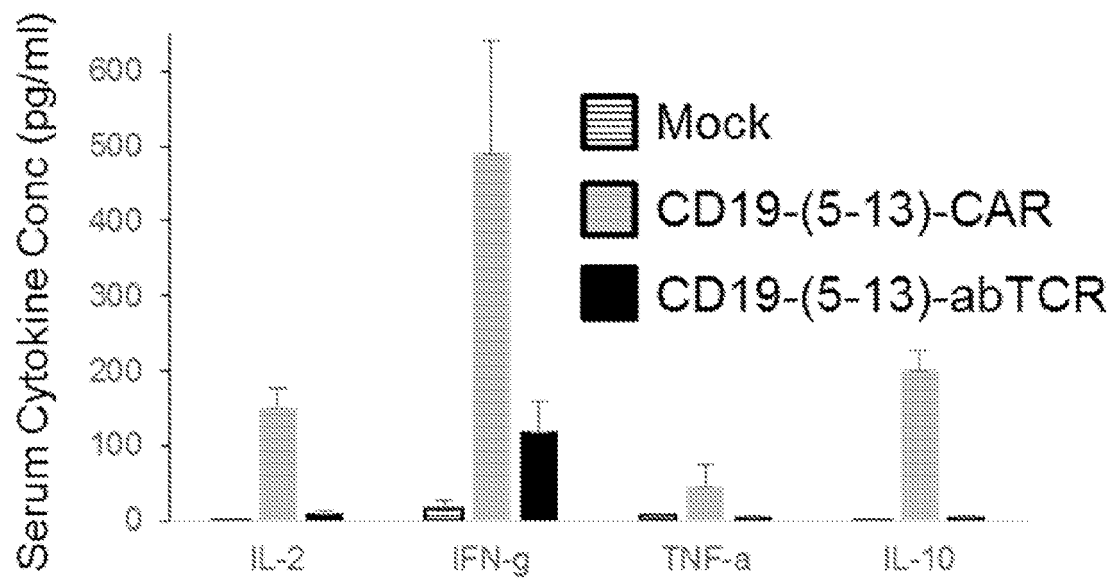
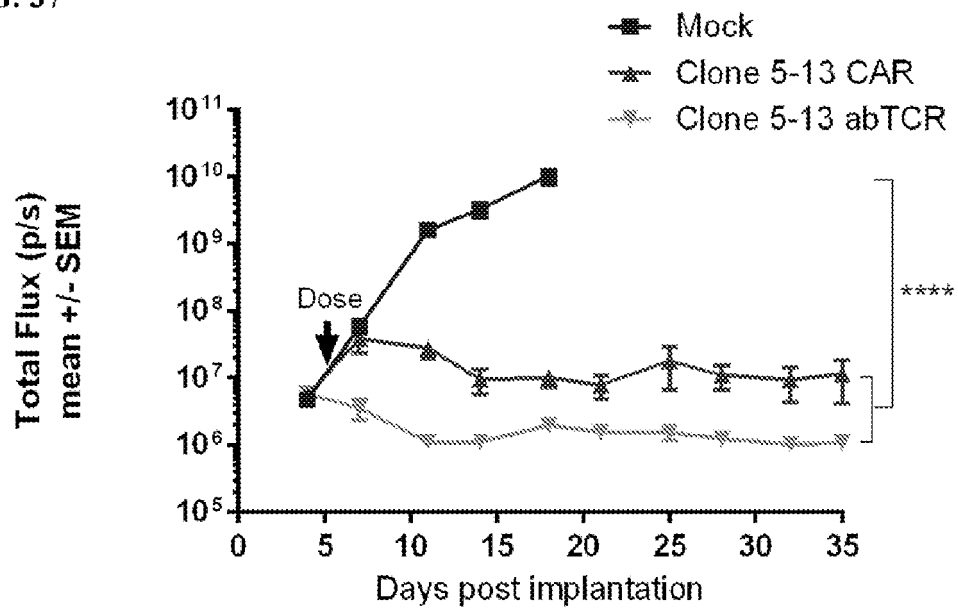
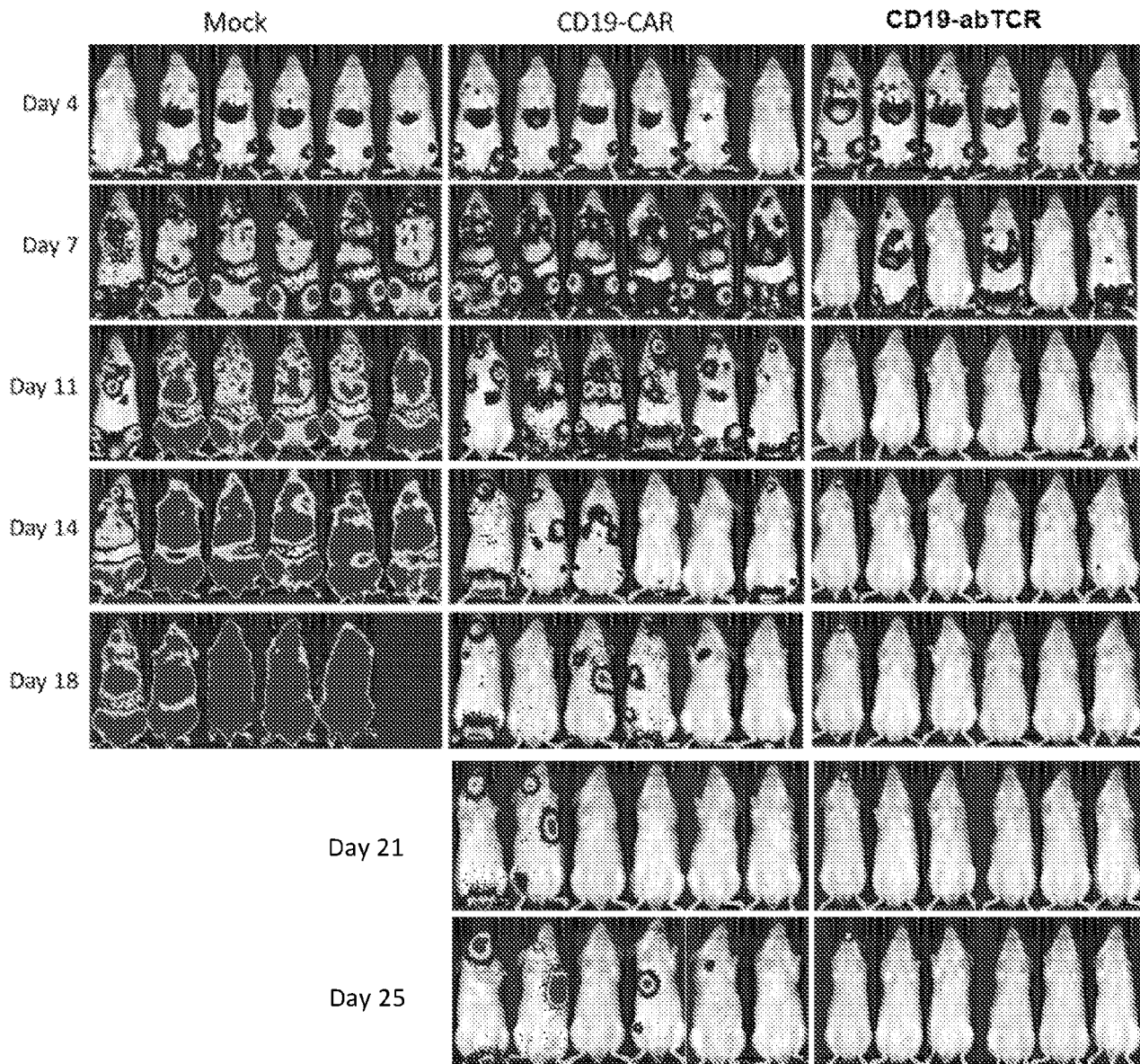


FIG. 37



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FIG. 38



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FIG. 39

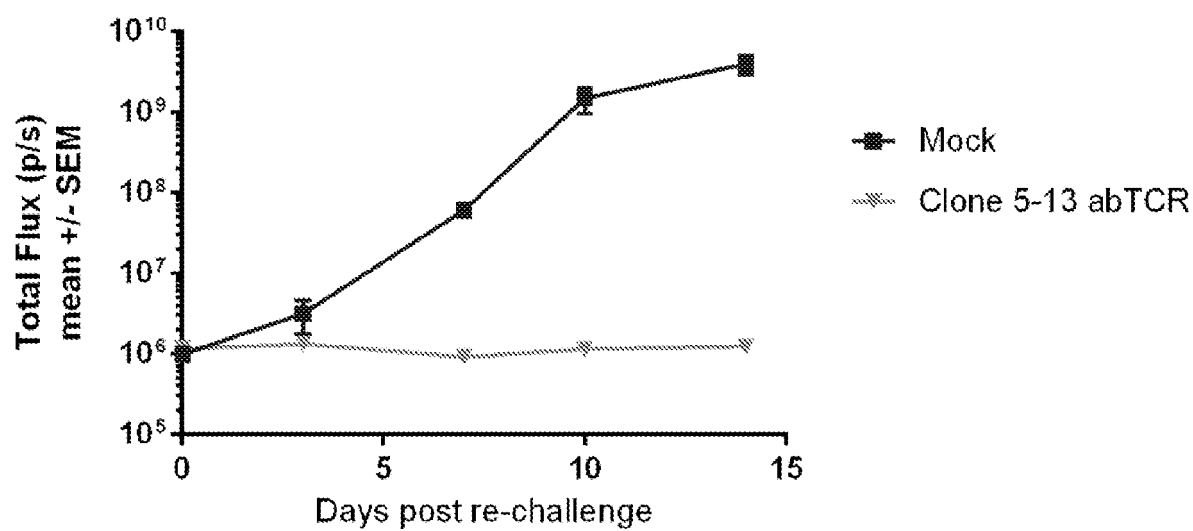
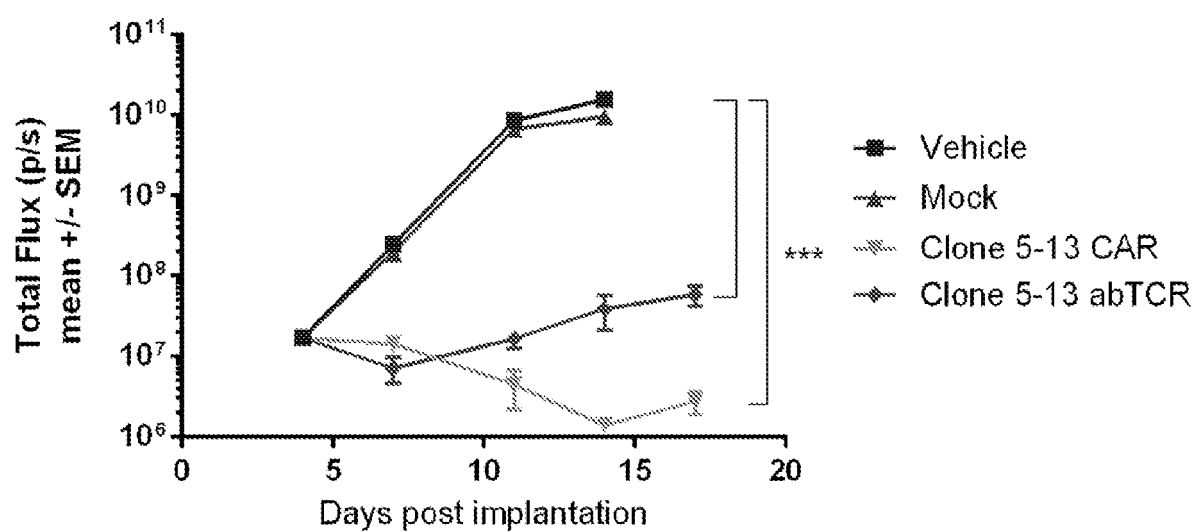


FIG. 40



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FIG. 41

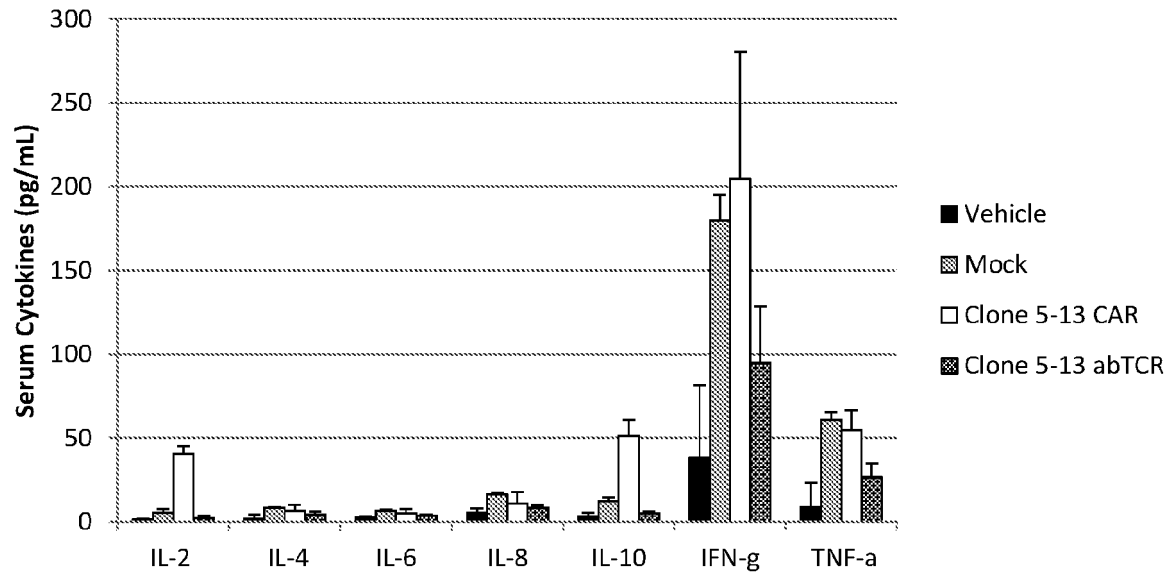


FIG. 42

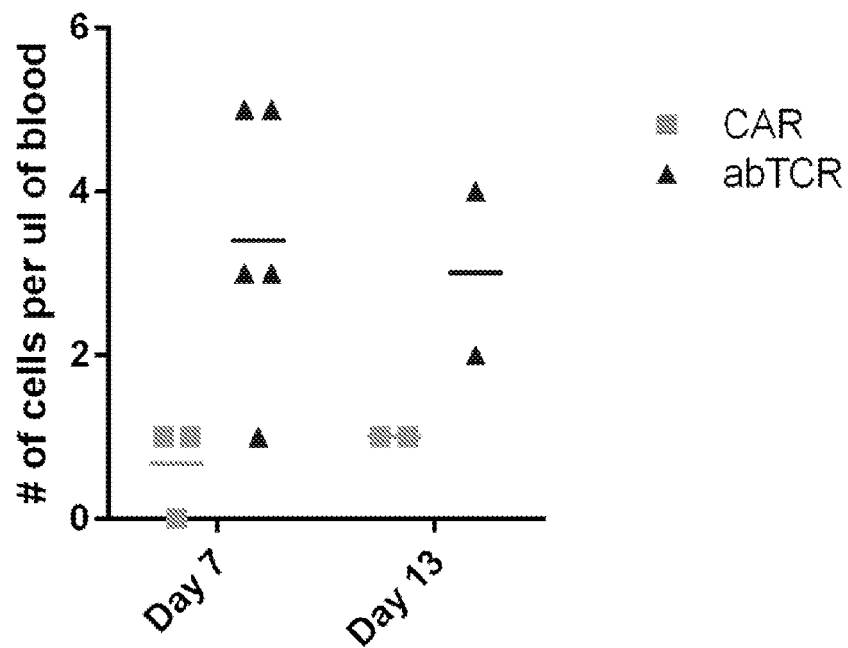


FIG. 43

Peripheral Blood

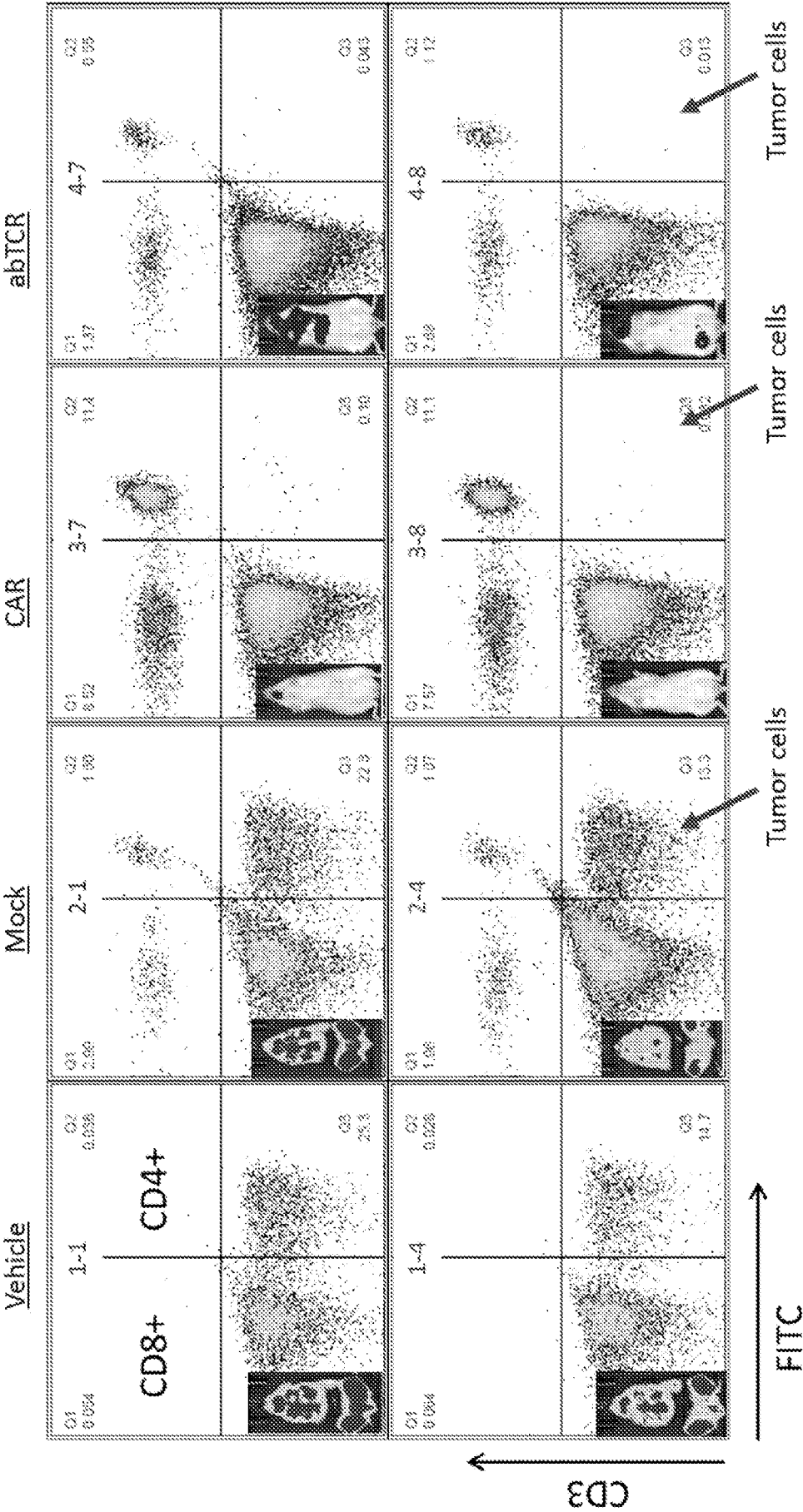
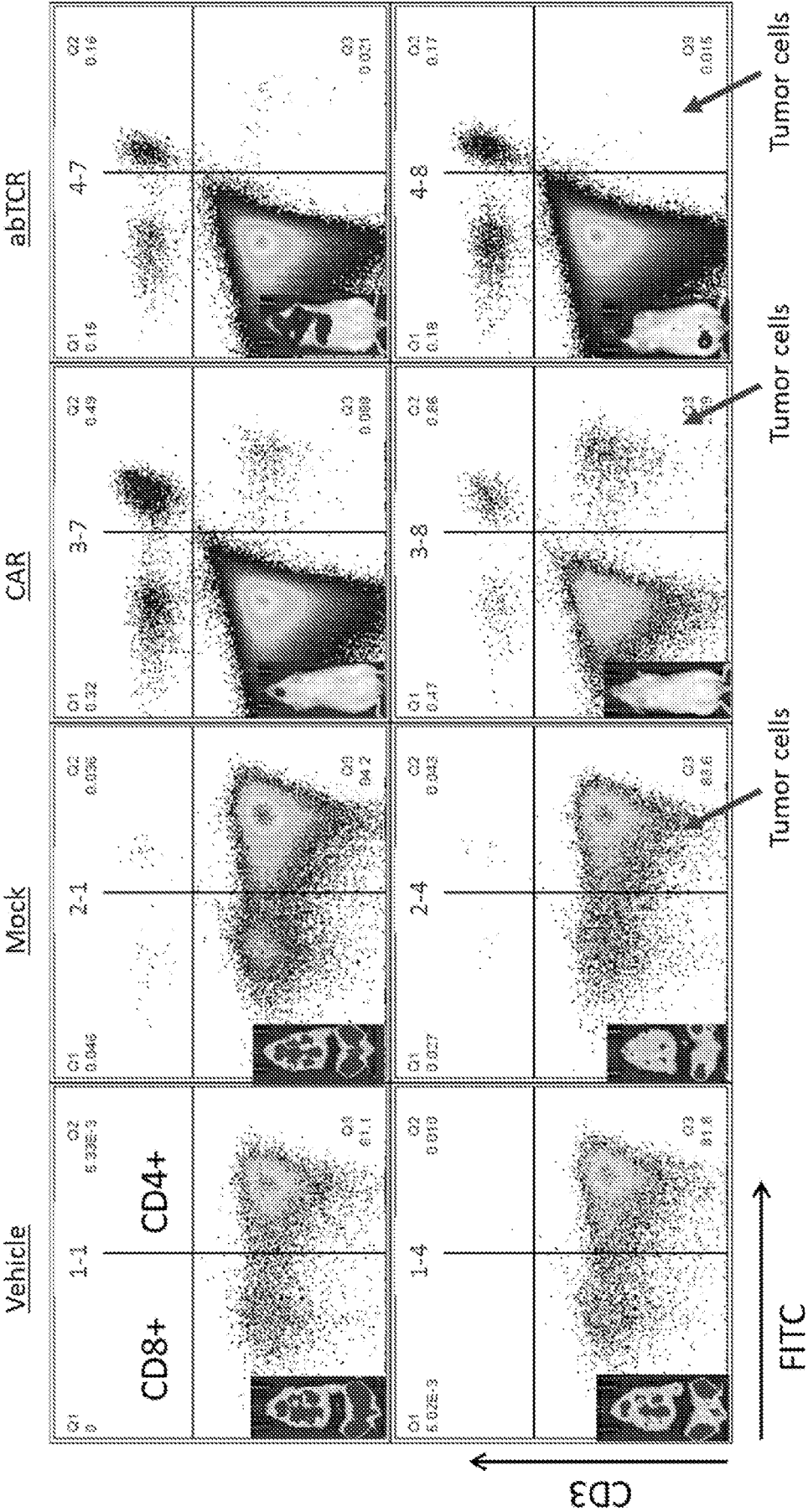


FIG. 44

Bone Marrow



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FIG. 45

Peripheral Blood, CD3+ T cells

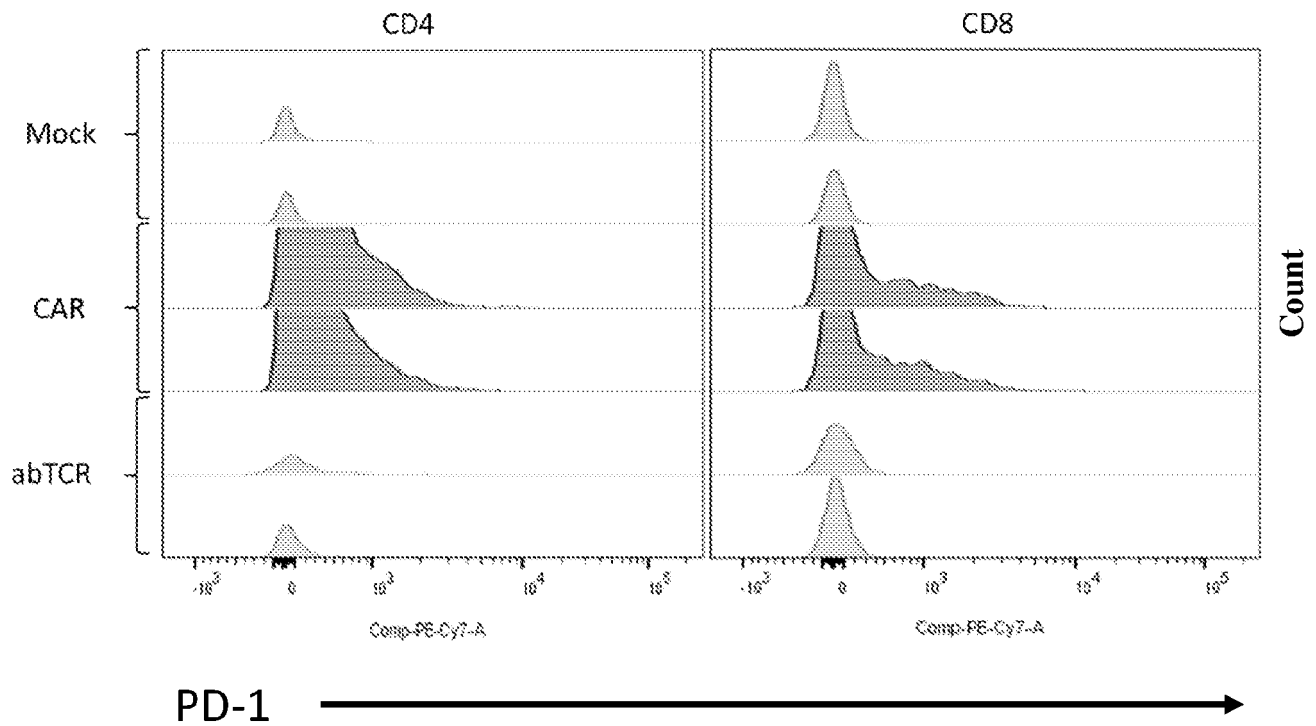


FIG. 46

Bone Marrow, CD3+ T cells

