

Figure 1

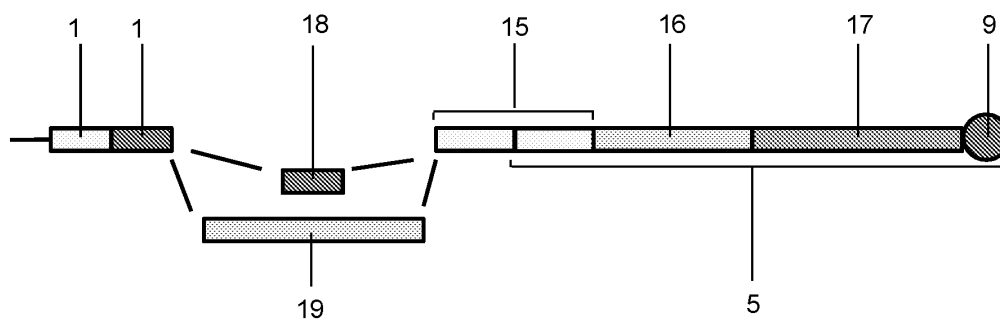
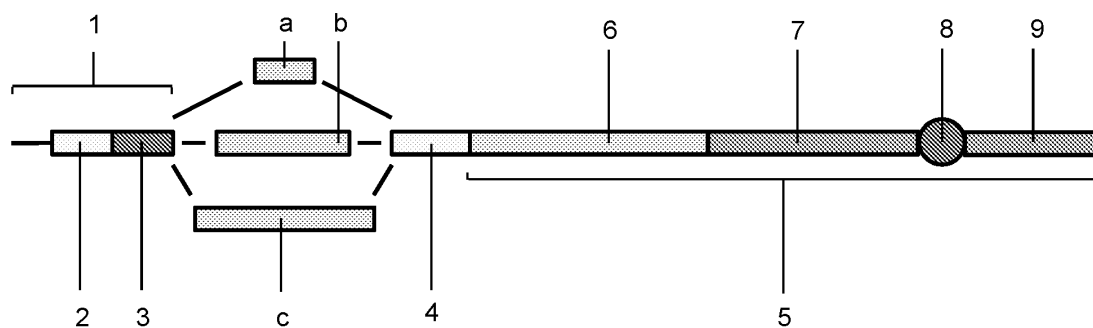


Figure 2

IgG1-Hinge	-----EPKSC
IgG2-Hinge	-----ERKCC
IgG3-Hinge	NTKVDKRVELKTPLGDTTHTCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCPEPKSC
IgG4-Hinge	-----ESKYG
CAR-T-Hinge	-----ESKYG

IgG1-Hinge	DKTHTCPPCP
IgG2-Hinge	---VECPPCP
IgG3-Hinge	DTPPPCPRCP
IgG4-Hinge	---PPCPSCP
CAR-T-Hinge	---PPCPPCP

Figure 3

IgG1-Hinge	EPKSCDKTHTCPPCP
IgG2-Hinge	ERKCC---VECPPCP
IgG4-Hinge	ESKYG---PPCPSCP
CAR-T-Hinge	ESKYG---PPCPPCP

Figure 4

IgG1-C2	APELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
IgG2-C2	APP-VAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNAKTK
IgG3-C2	APELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNAKTK
IgG4-C2	APEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSDPEVQFNWYVDGVEVHNAKTK
CAR-T-C2	-PEFDGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSDPEVQFNWYVDGVEVHNAKTK

IgG1-C2	PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK
IgG2-C2	PREEQFNSTFRVSVLTVVHQDWLNGKEYKCKVSNKGLPAPIEKTISKTK
IgG3-C2	PREEQYNSTFRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKTK
IgG4-C2	PREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAK
CAR-T-C2	PREEQFQSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAK

Figure 5

IgG1-C3	GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD
IgG2-C3	GQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDISVEWESNGQPENNYKTTTPMLD
IgG3-C3	GQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESSGQPENNYNTTTPMLD
IgG4-C3	GQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD
CAR-T-C3	GQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD

IgG1-C3	DGSFFLYSKLTVDKSRWQQGNVFSQSVMHEALHNHYTQKSLSLSPGK
IgG2-C3	DGSFFLYSKLTVDKSRWQQGNVFSQSVMHEALHNHYTQKSLSLSPGK
IgG3-C3	DGSFFLYSKLTVDKSRWQQGNIFQSVMHEALHNRTQKSLSLSPGK
IgG4-C3	DGSFFLYSRLTVDKSRWQEGNVFSQSVMHEALHNHYTQKSLSLSLGK
CAR-T-C3	DGSFFLYSRLTVDKSRWQEGNVFSQSVMHEALHNHYTQKSLSLSLGK

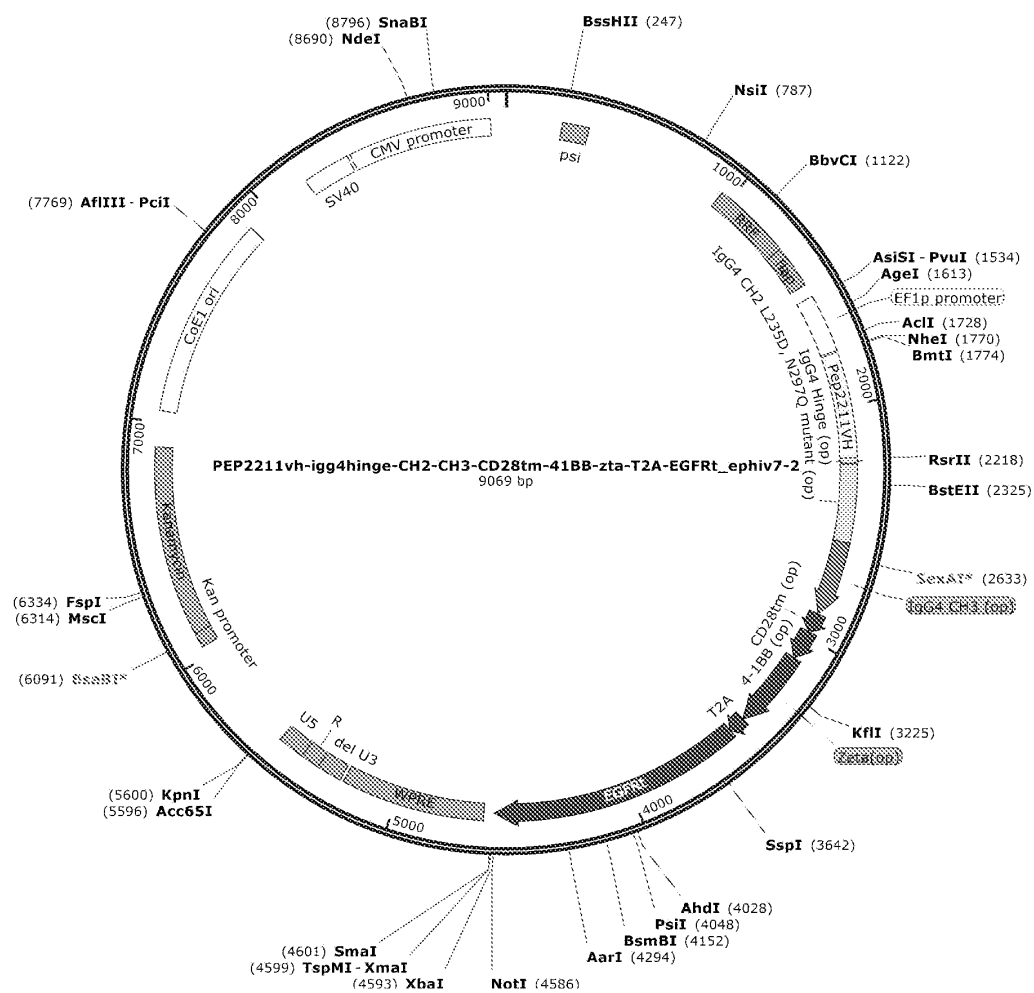
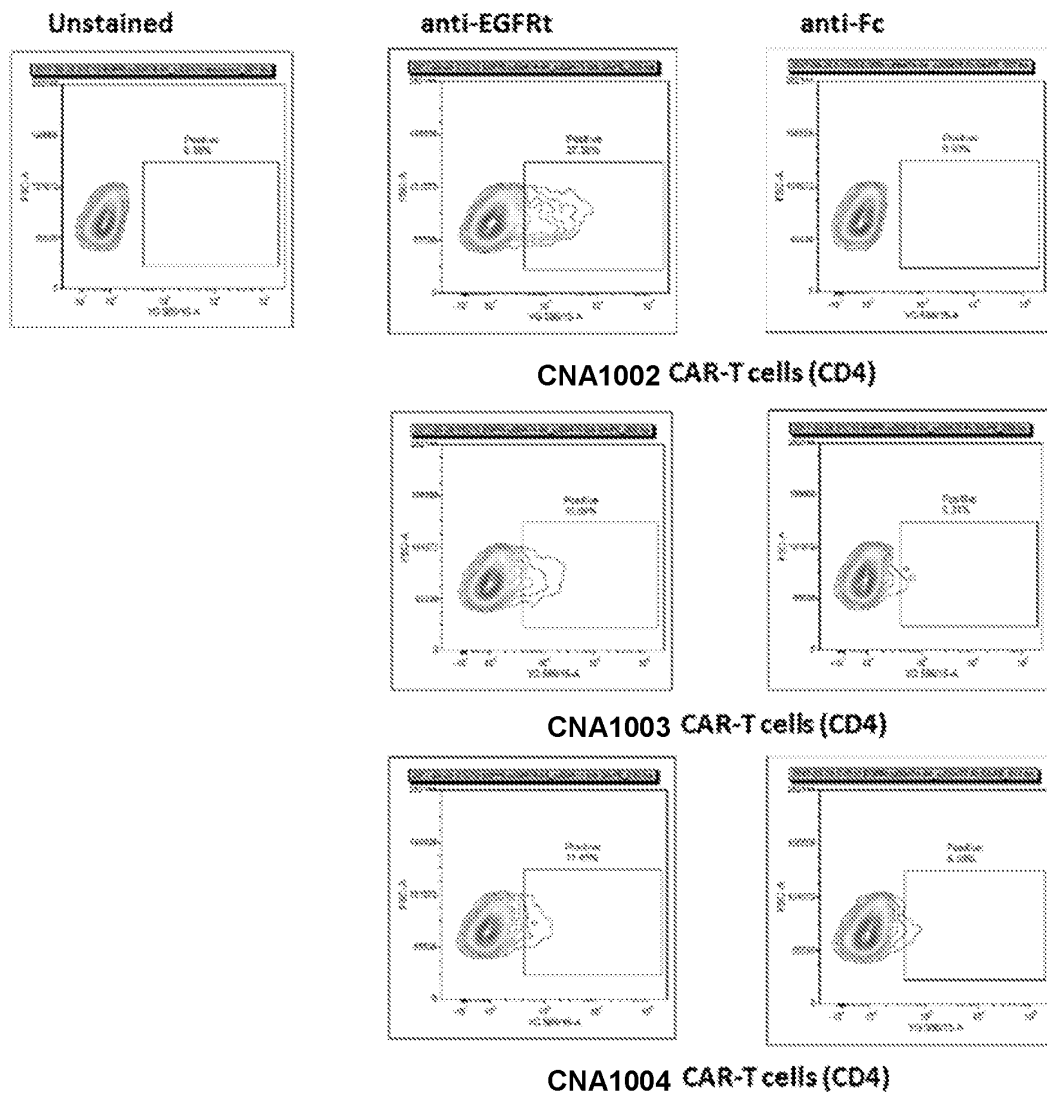
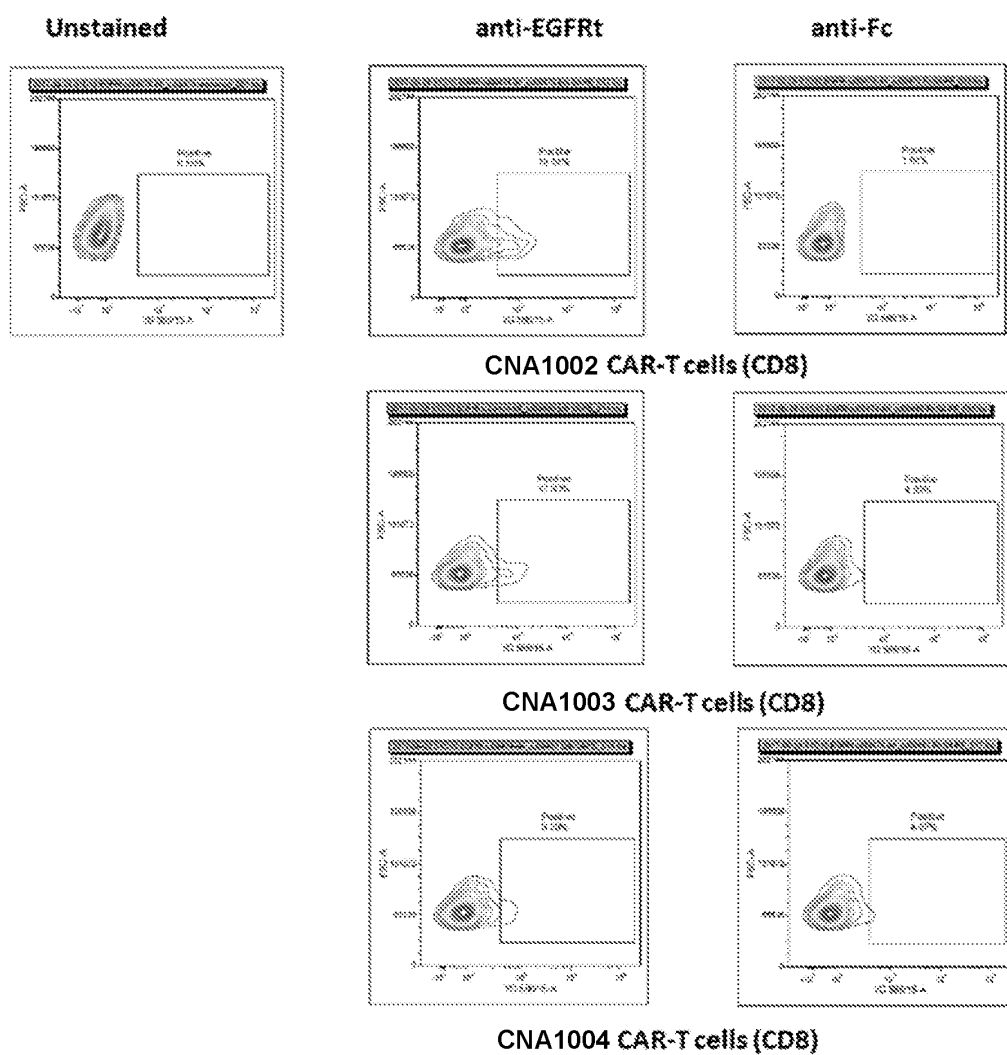


Figure 7



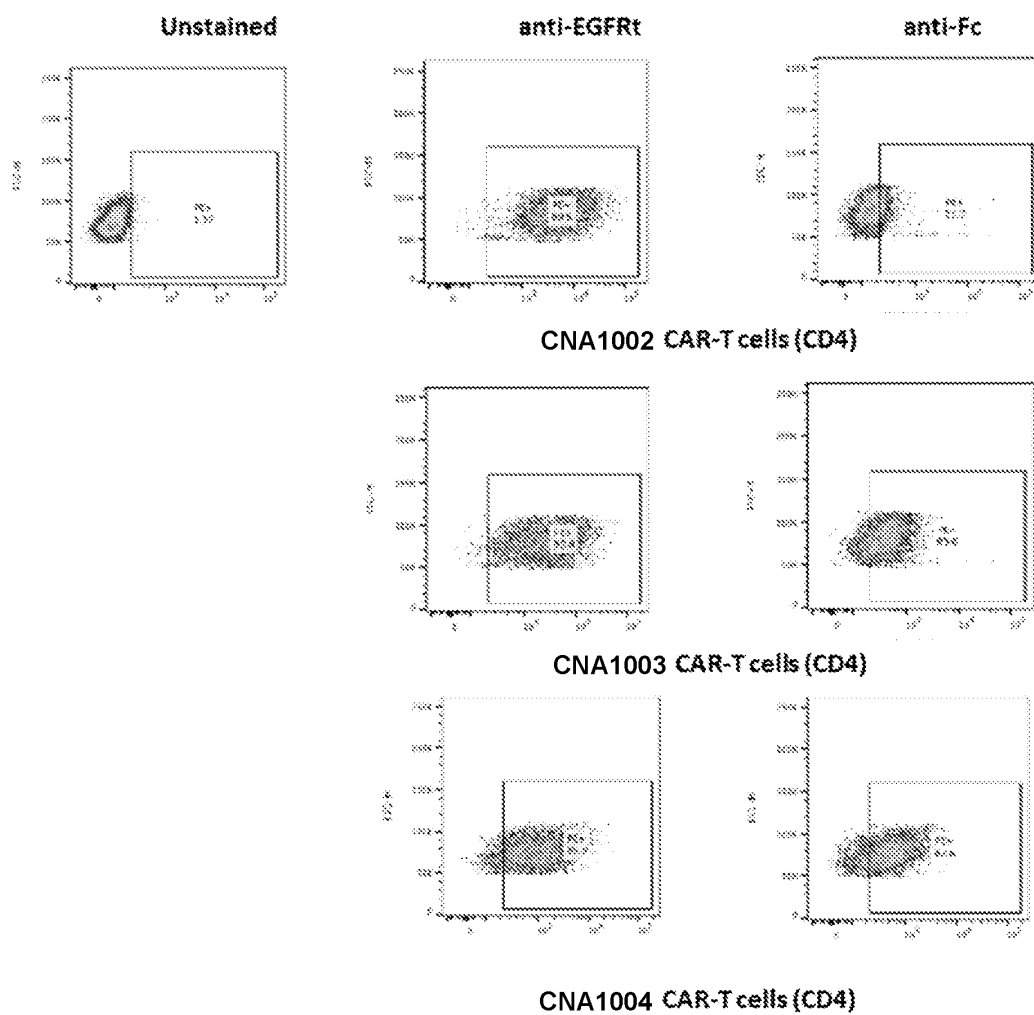
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Figure 8



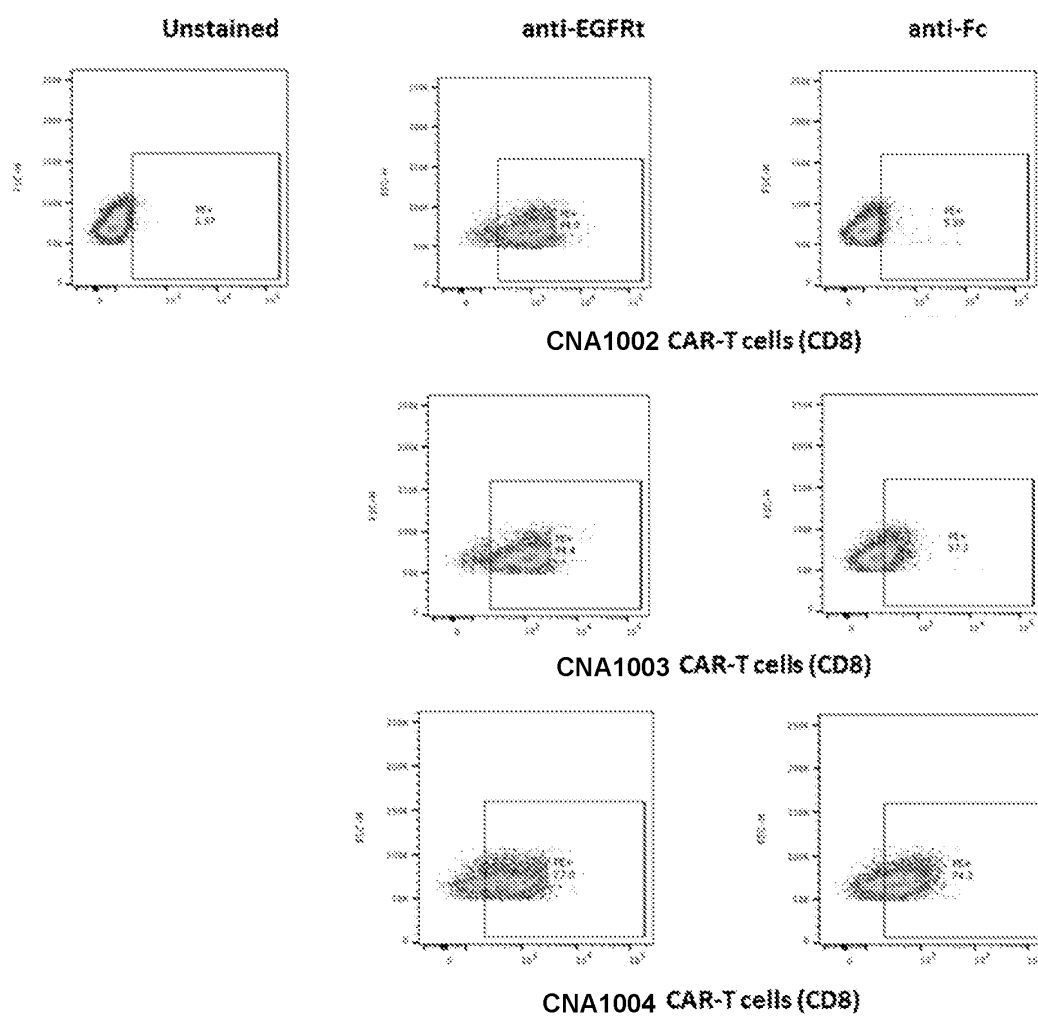
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Figure 9



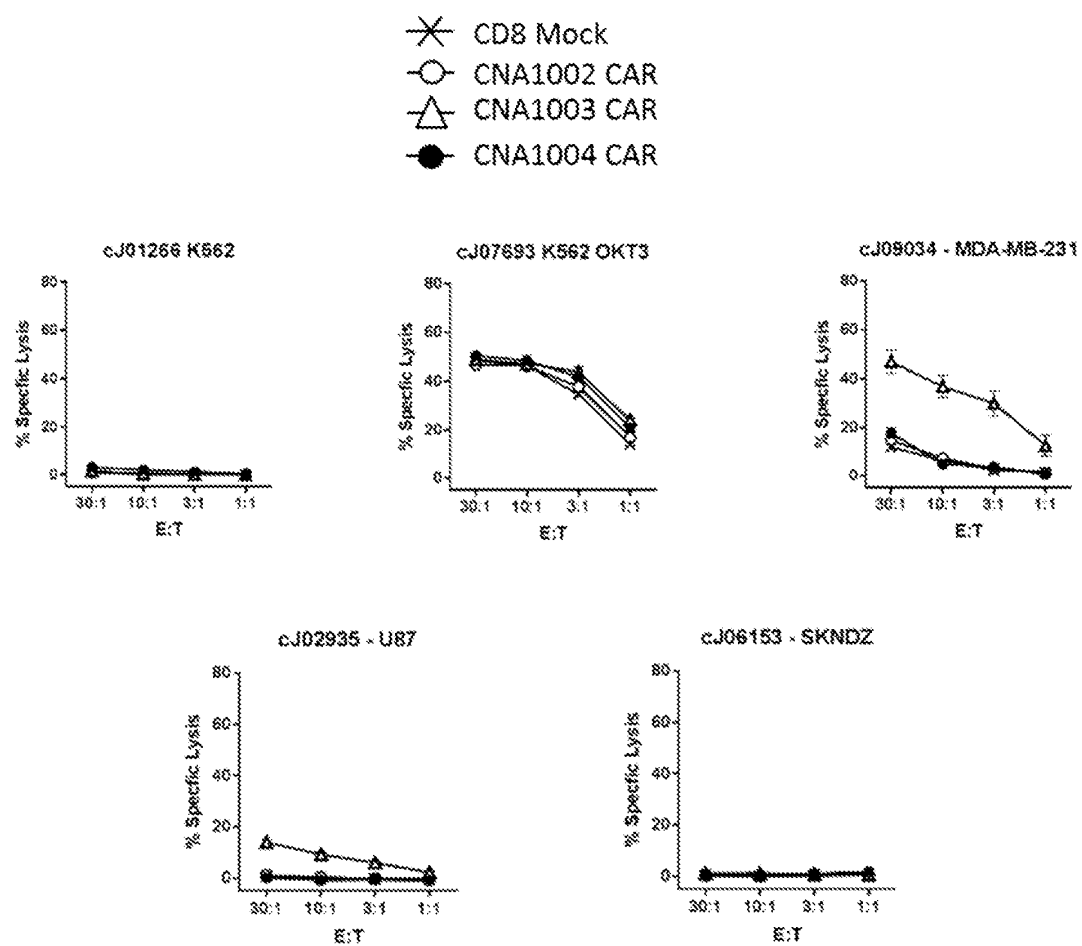
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Figure 10



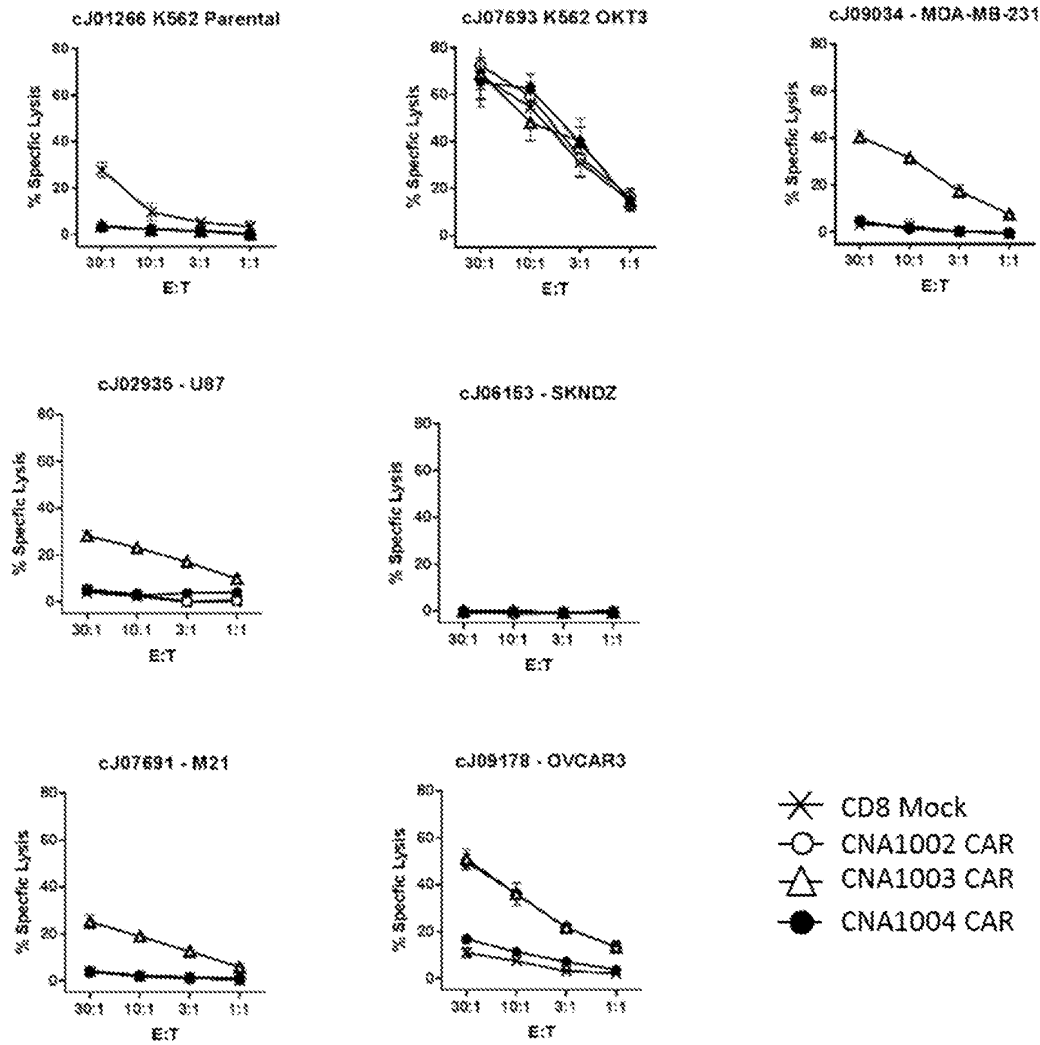
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Figure 11



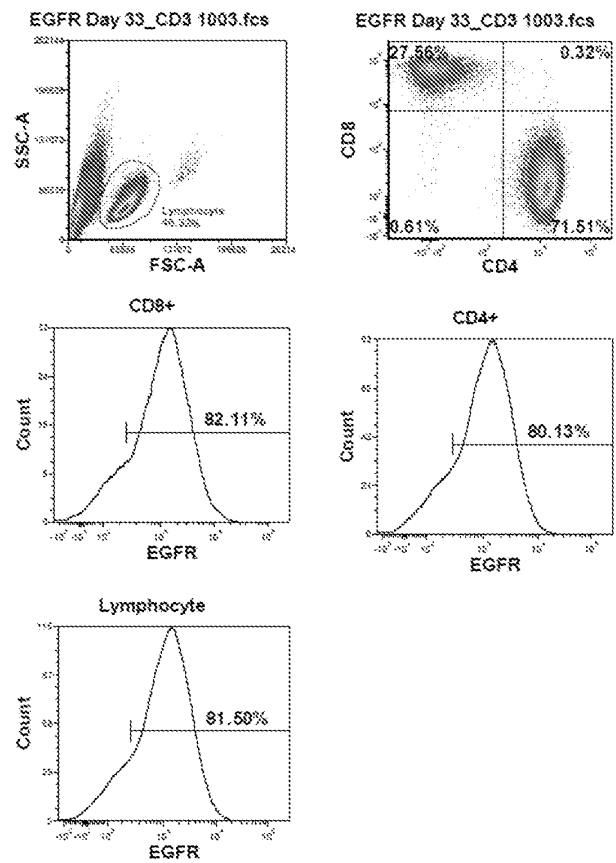
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Figure 12



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Figure 13



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Figure 14

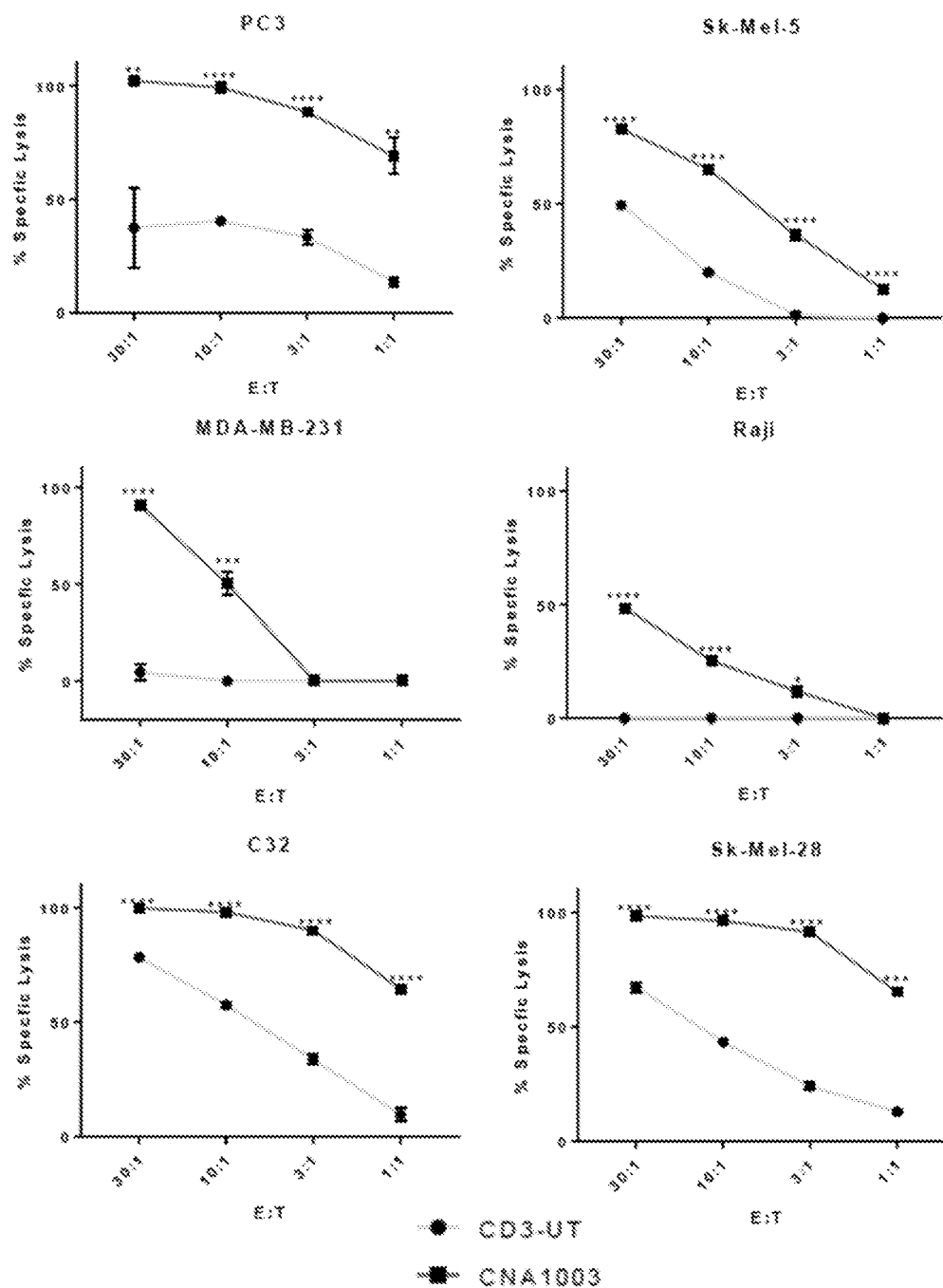
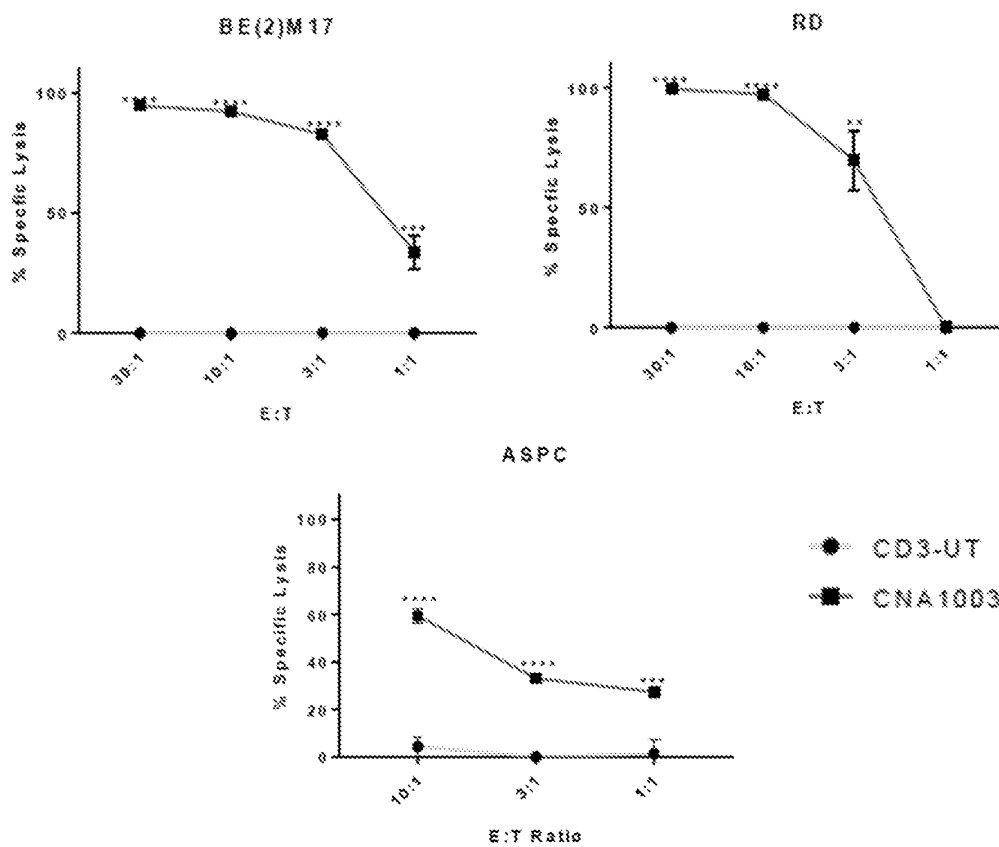
**** $P < 0.0001$, *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$

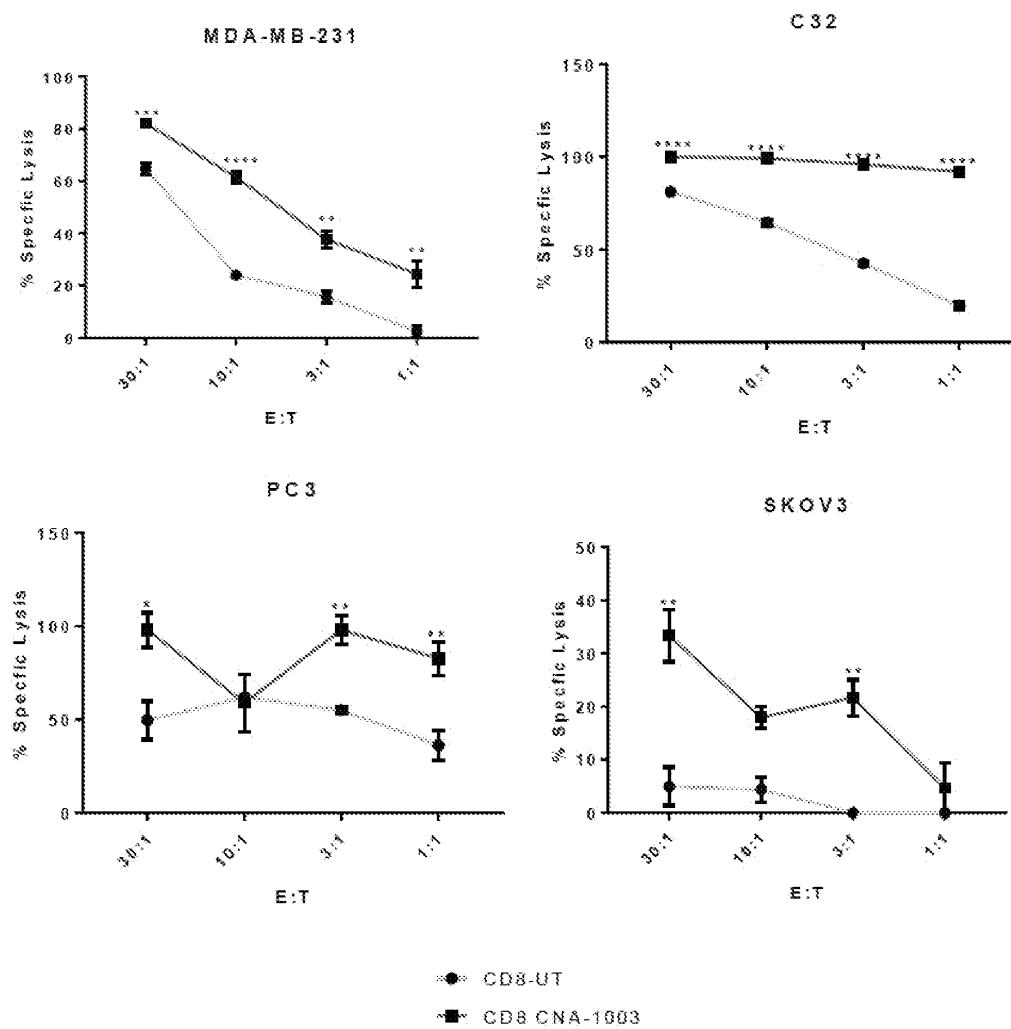
Figure 15



**** $P < 0.0001$, *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$

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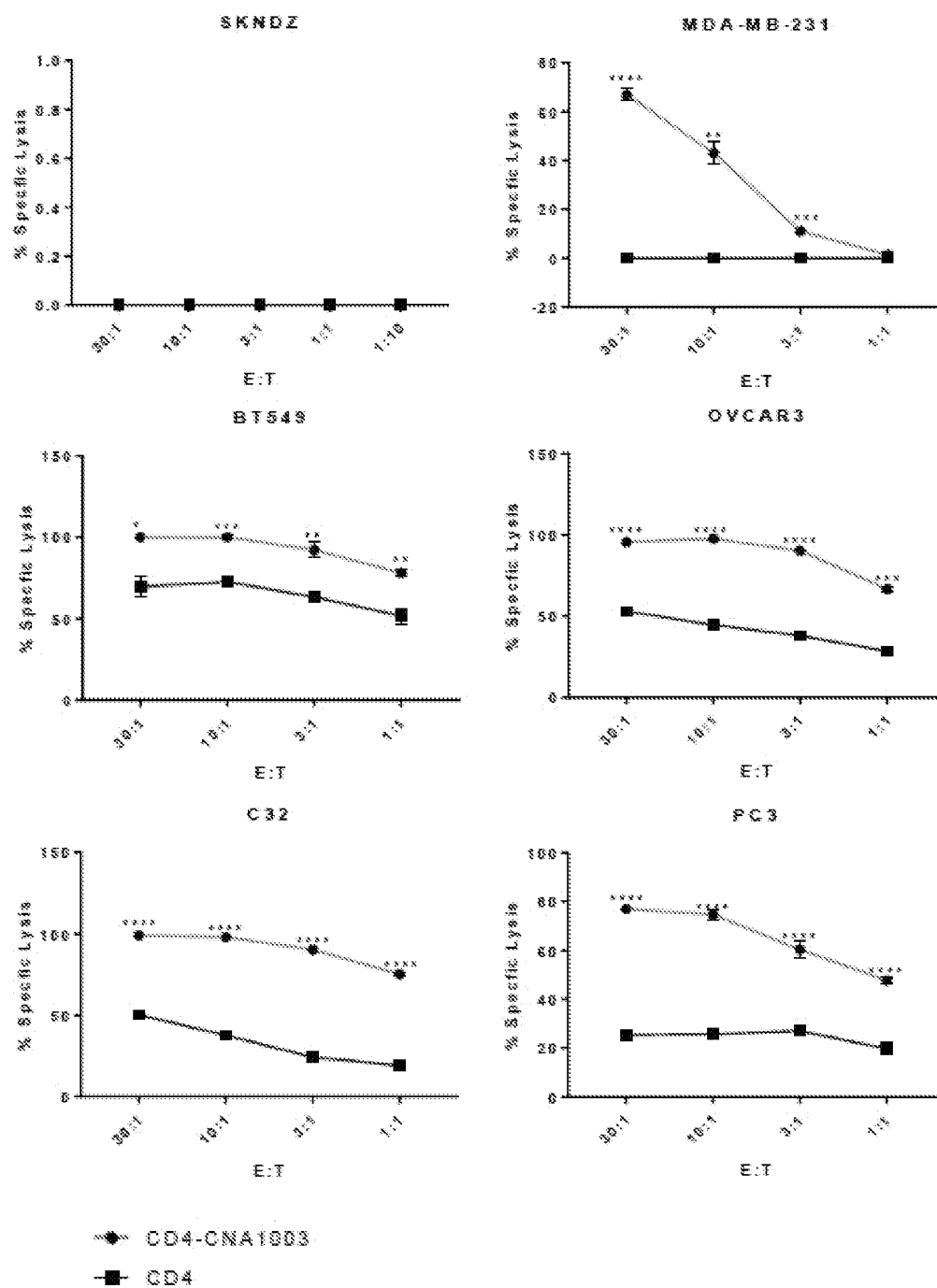
Figure 16



****P < 0.0001, ***P < 0.001, **P < 0.01, *P < 0.05

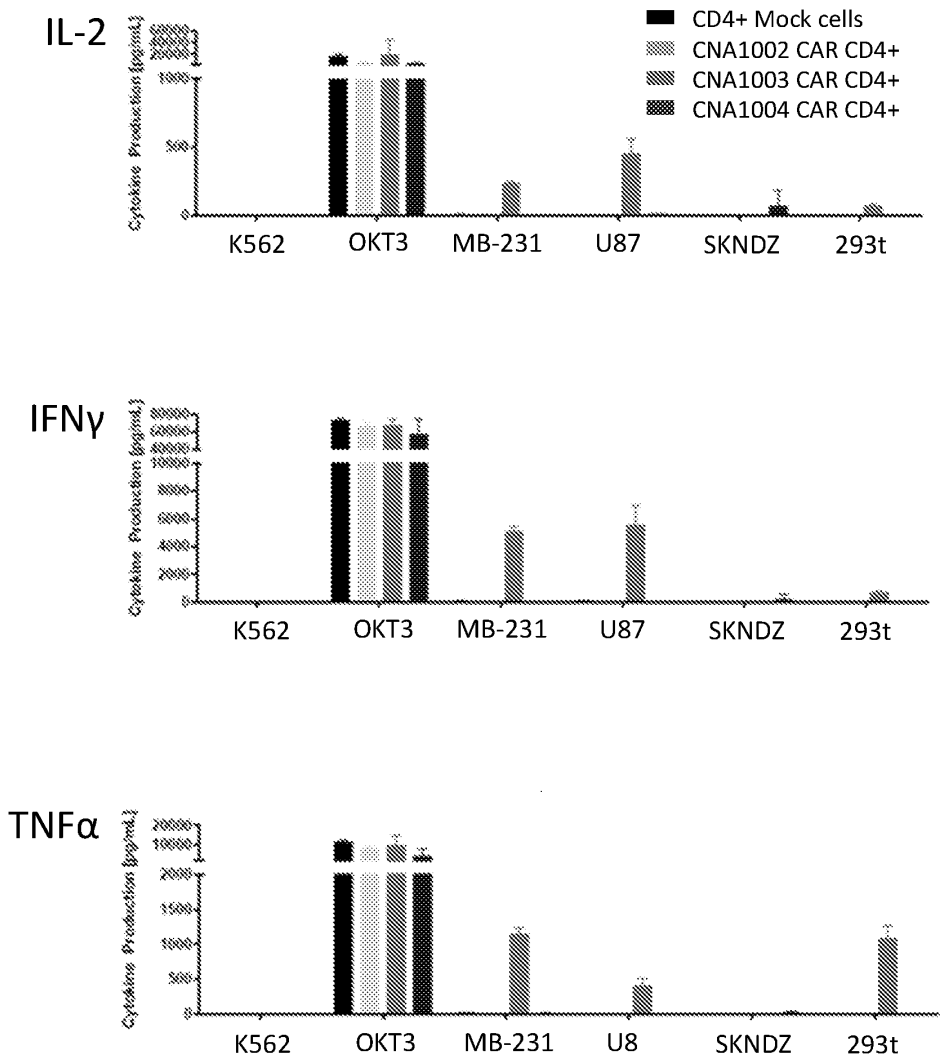
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Figure 17



****P < 0.0001, ***P < 0.001, **P < 0.01, *P < 0.05

Figure 18



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Figure 19

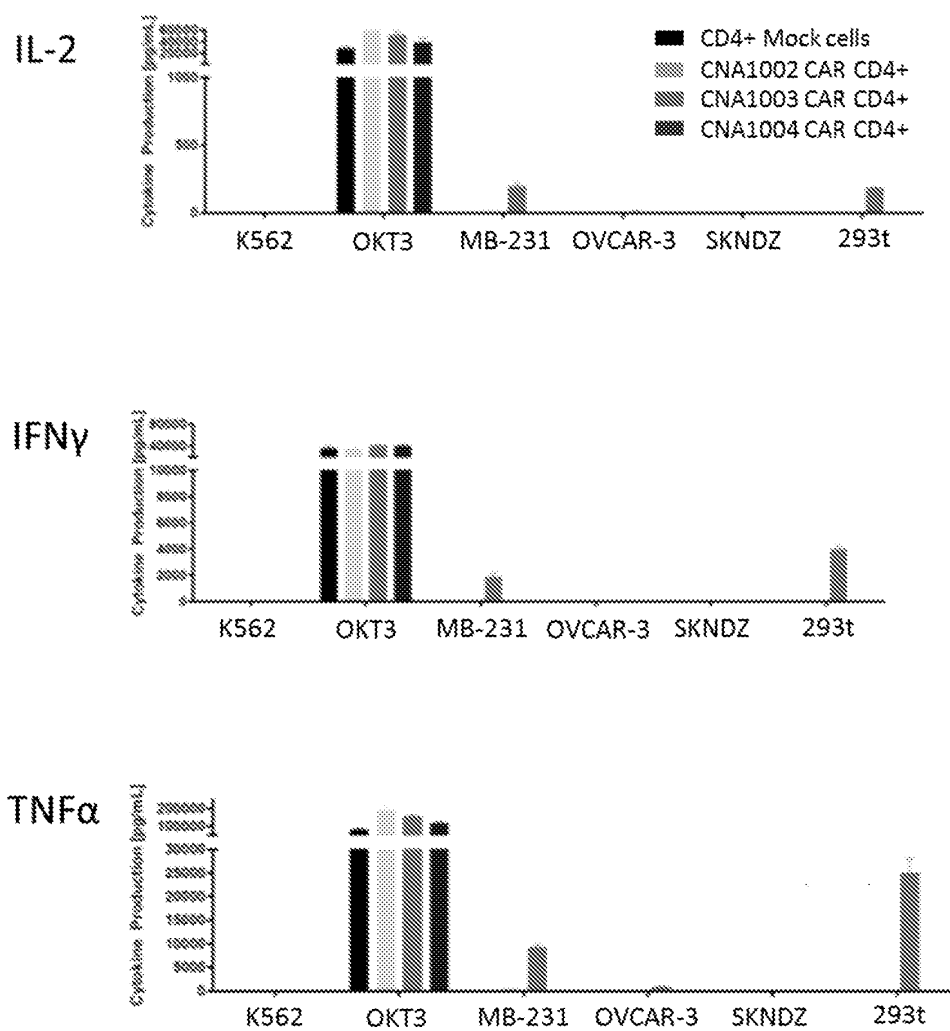


Figure 20

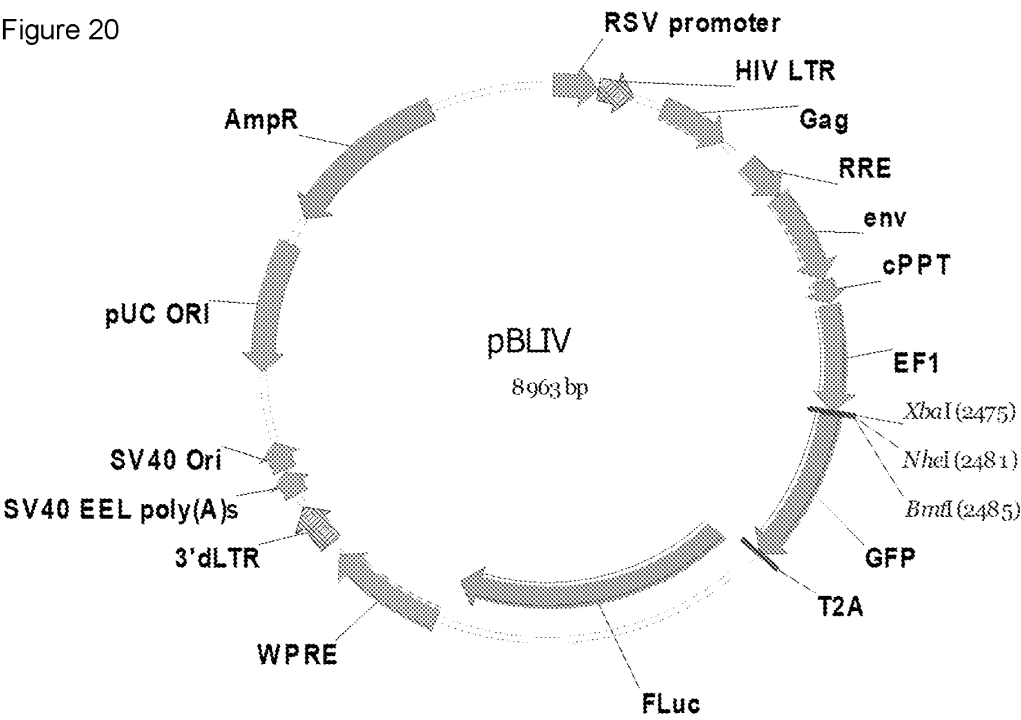


Figure 21

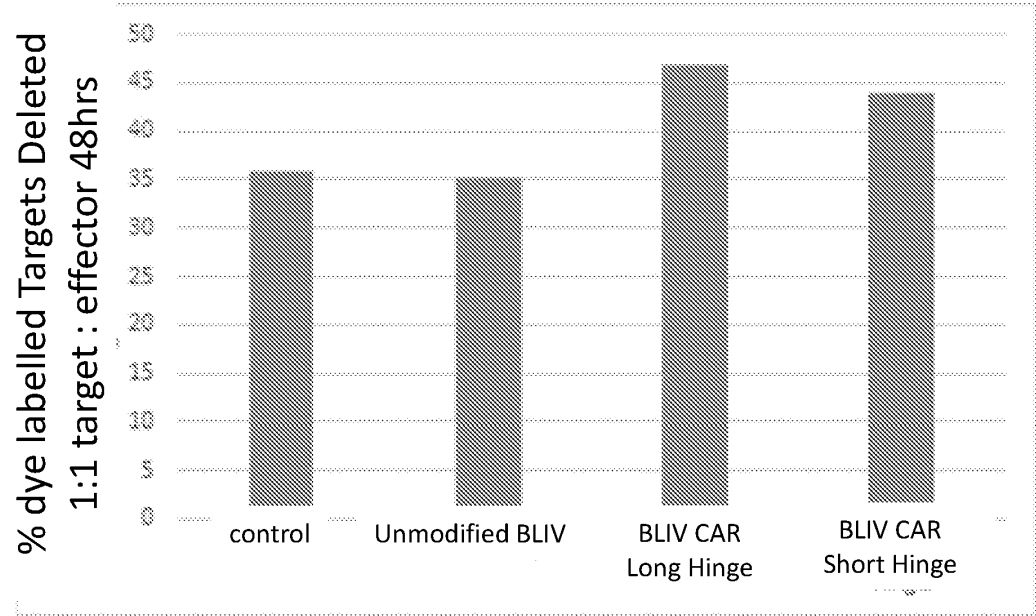
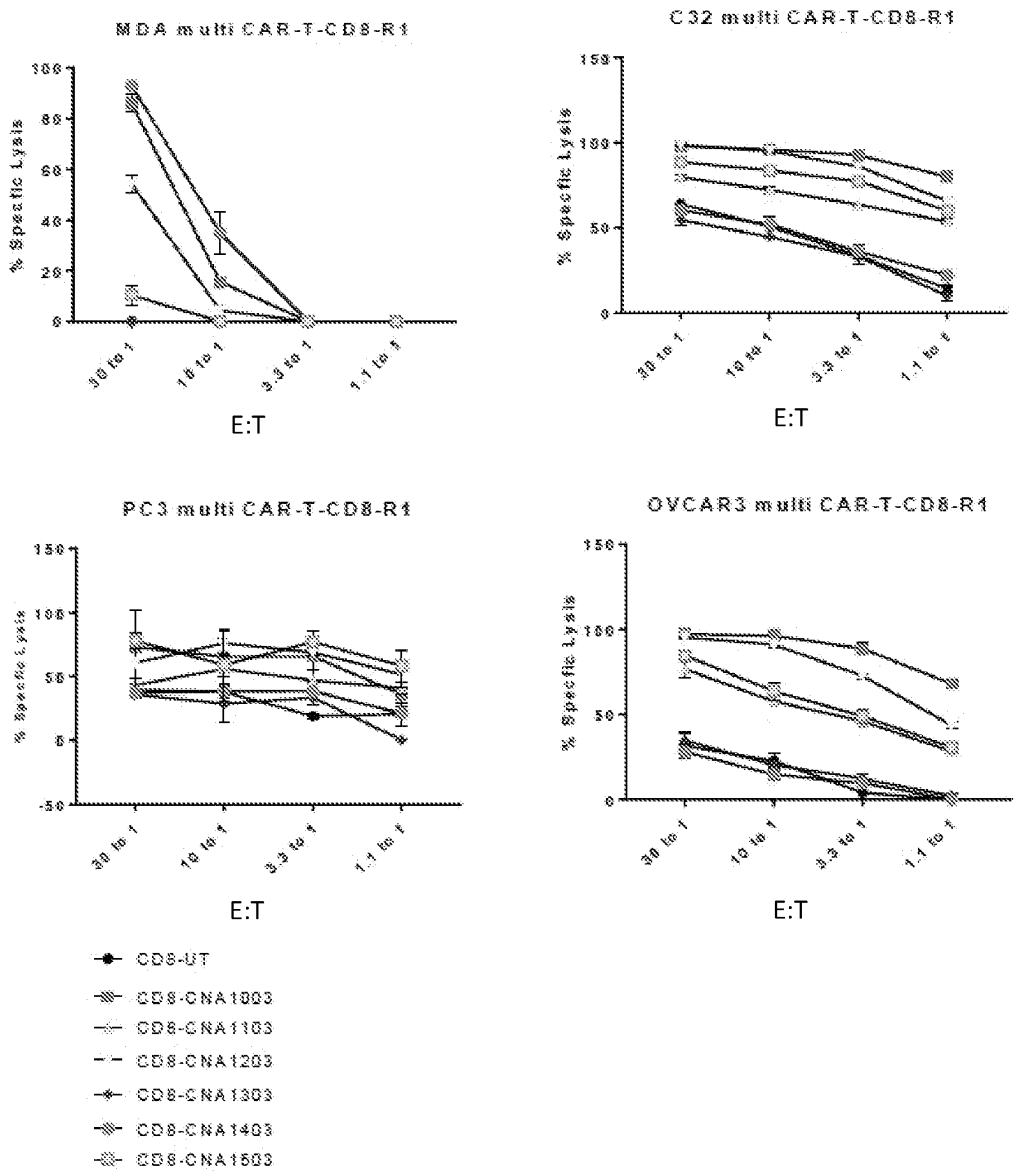


Figure 22



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Figure 23

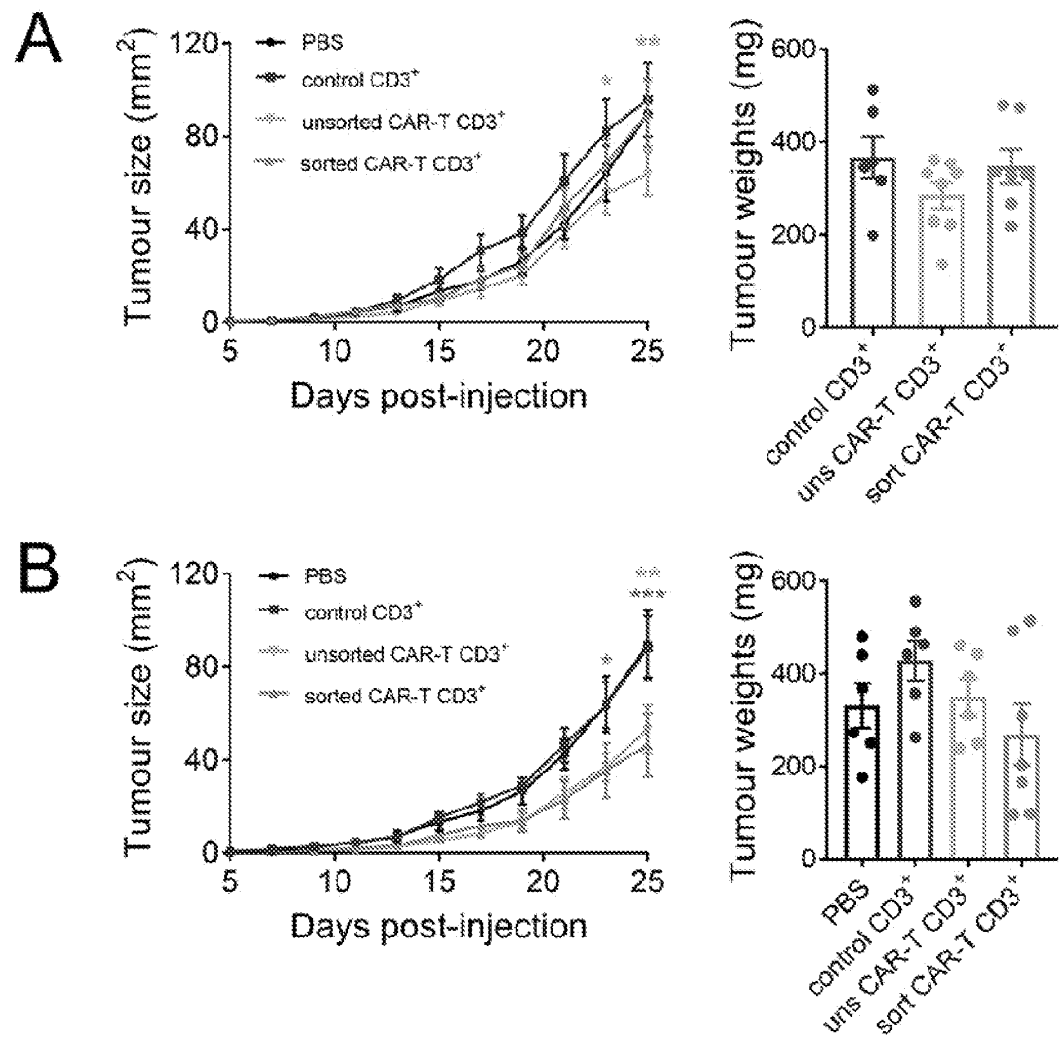


Figure 24

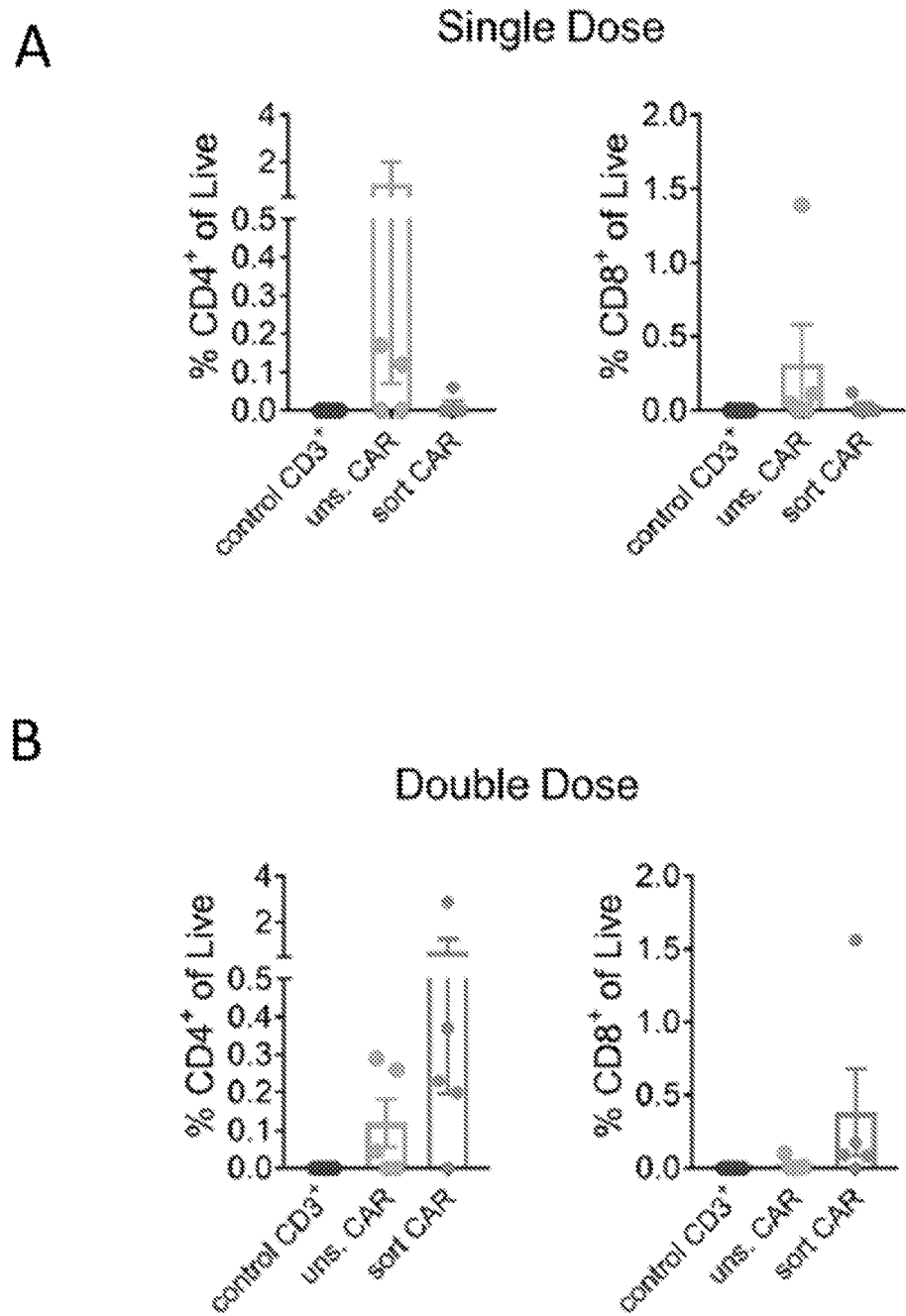


Figure 25

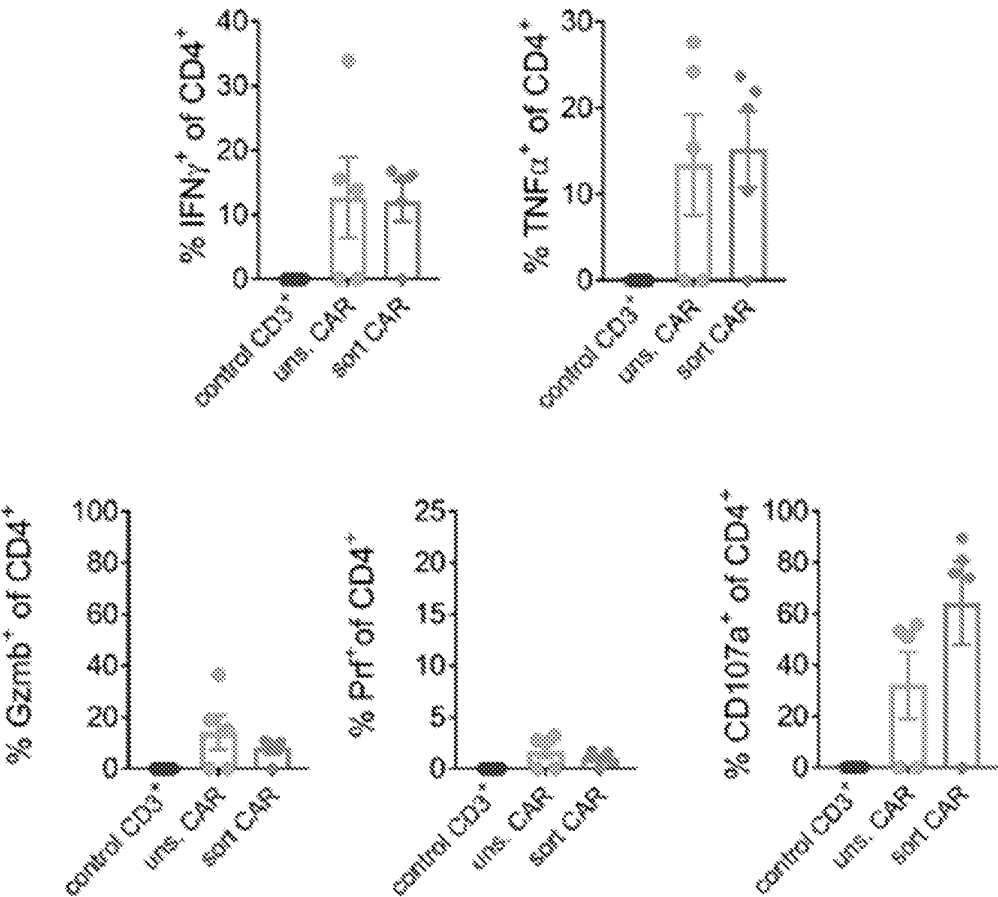


Figure 26

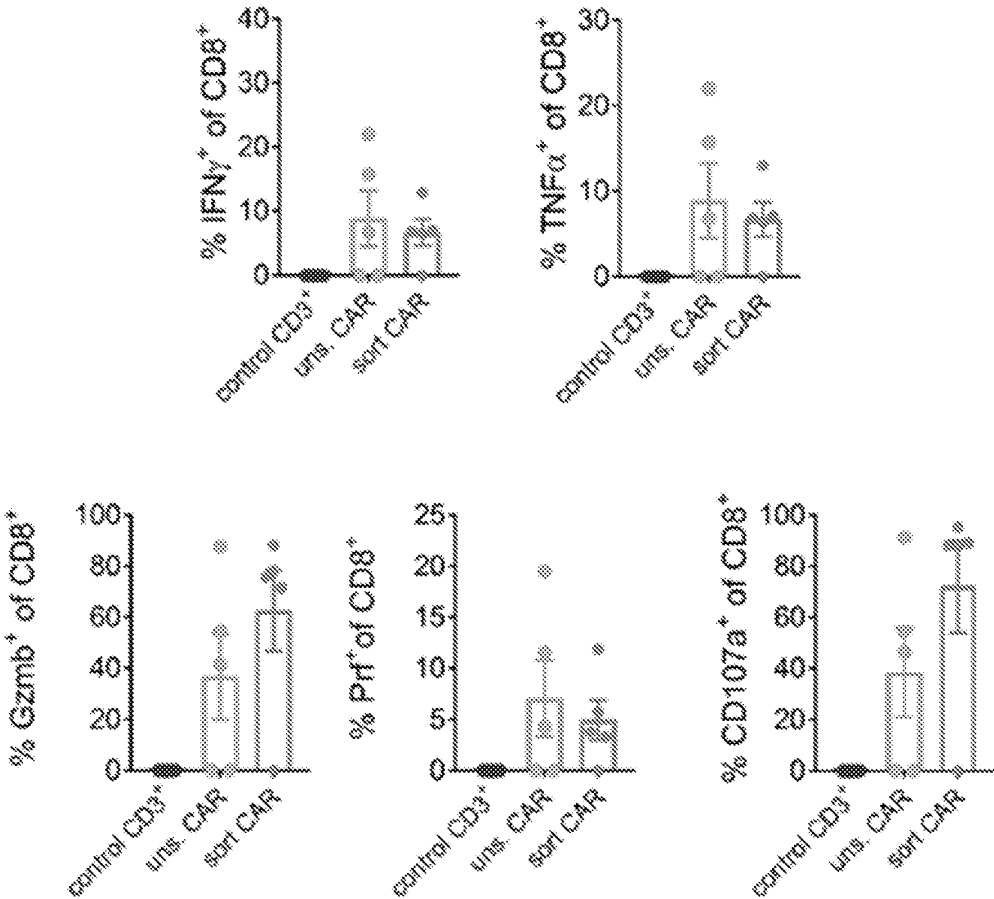


Figure 27

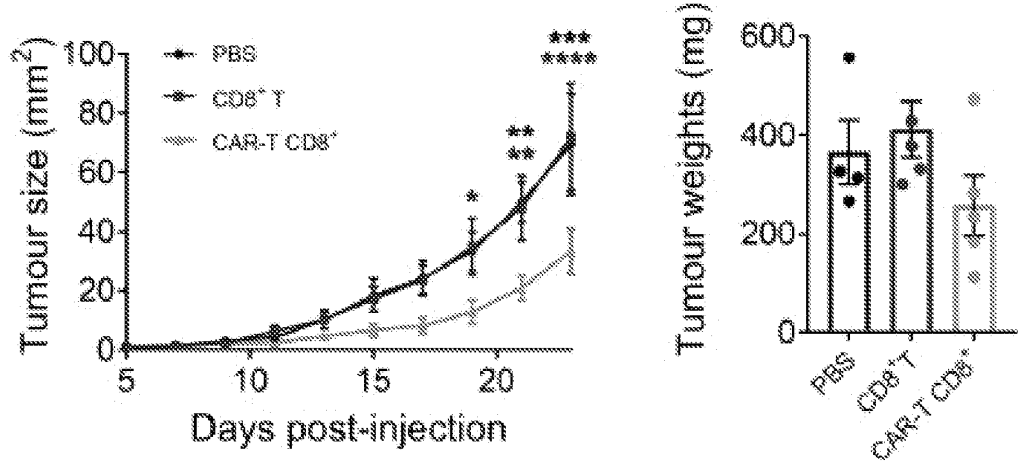


Figure 28

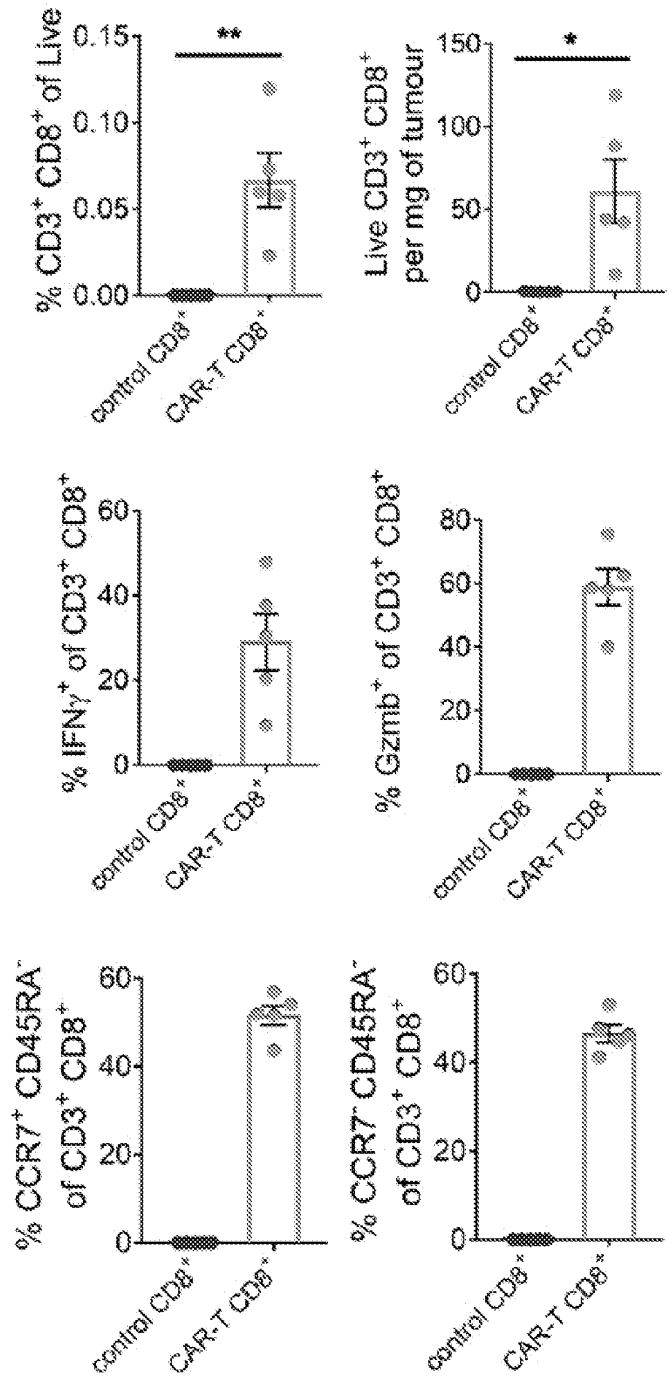


Figure 29

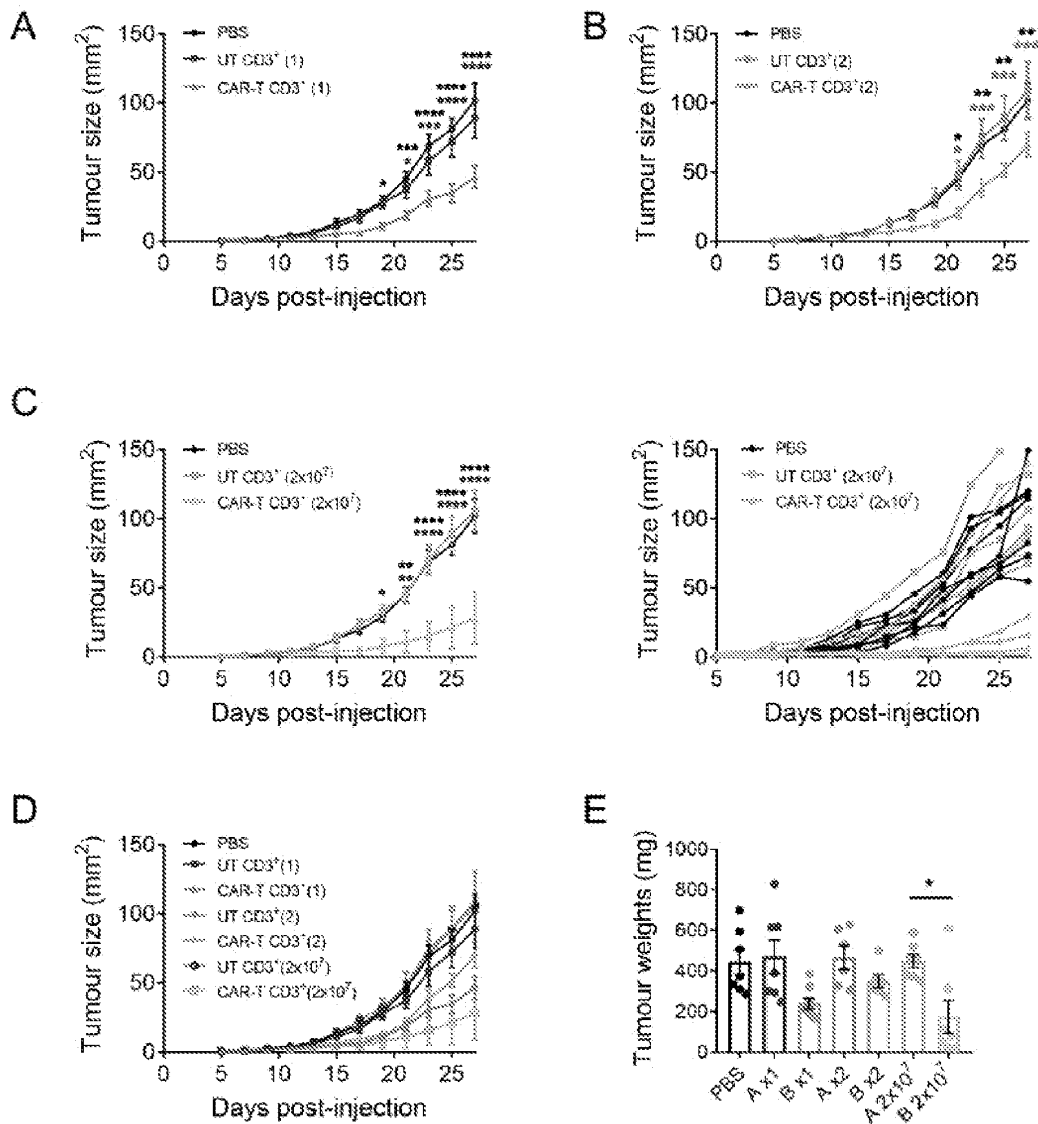


Figure 30

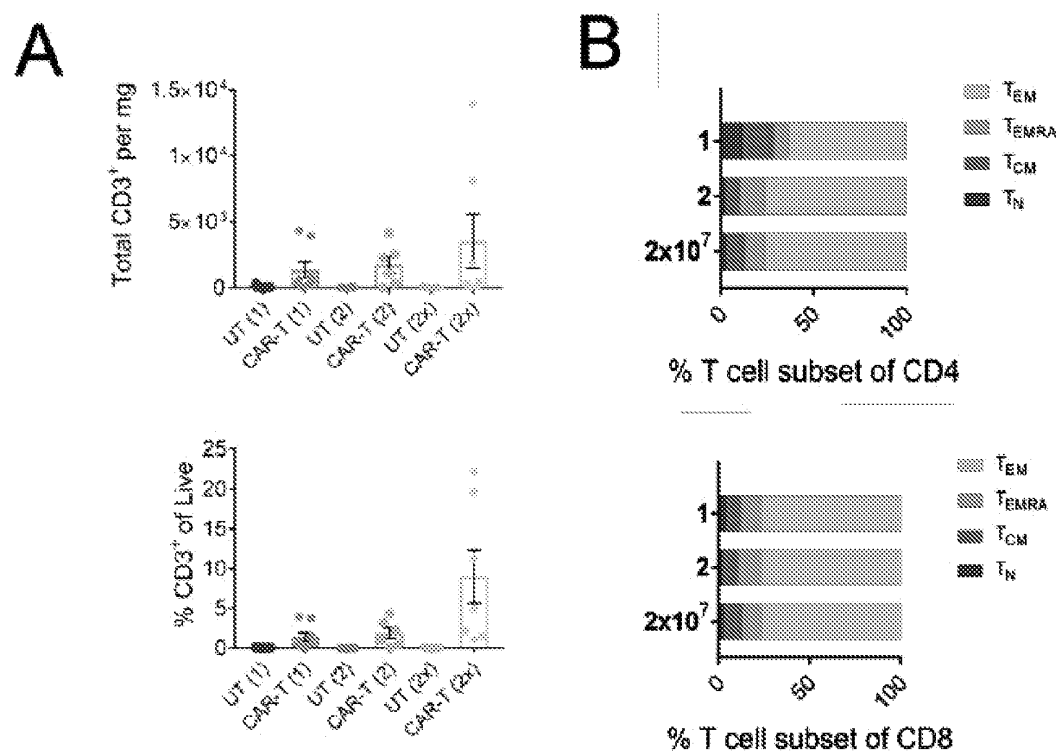


Figure 31

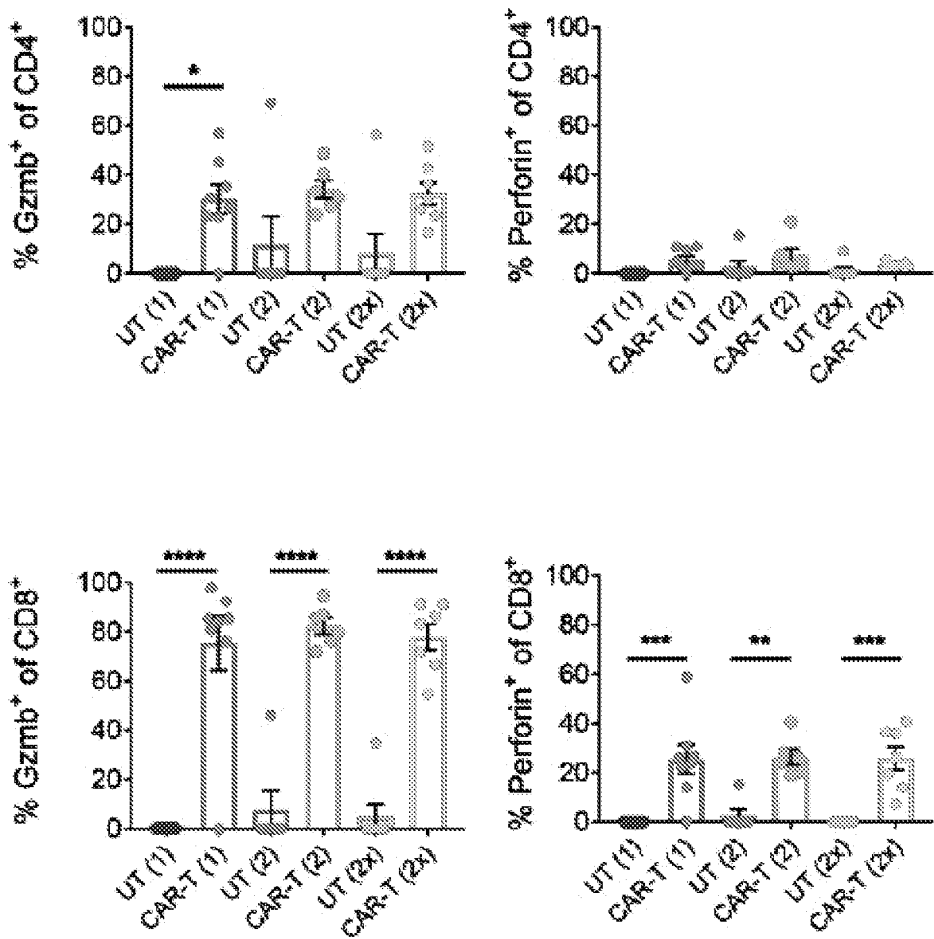


Figure 32

