

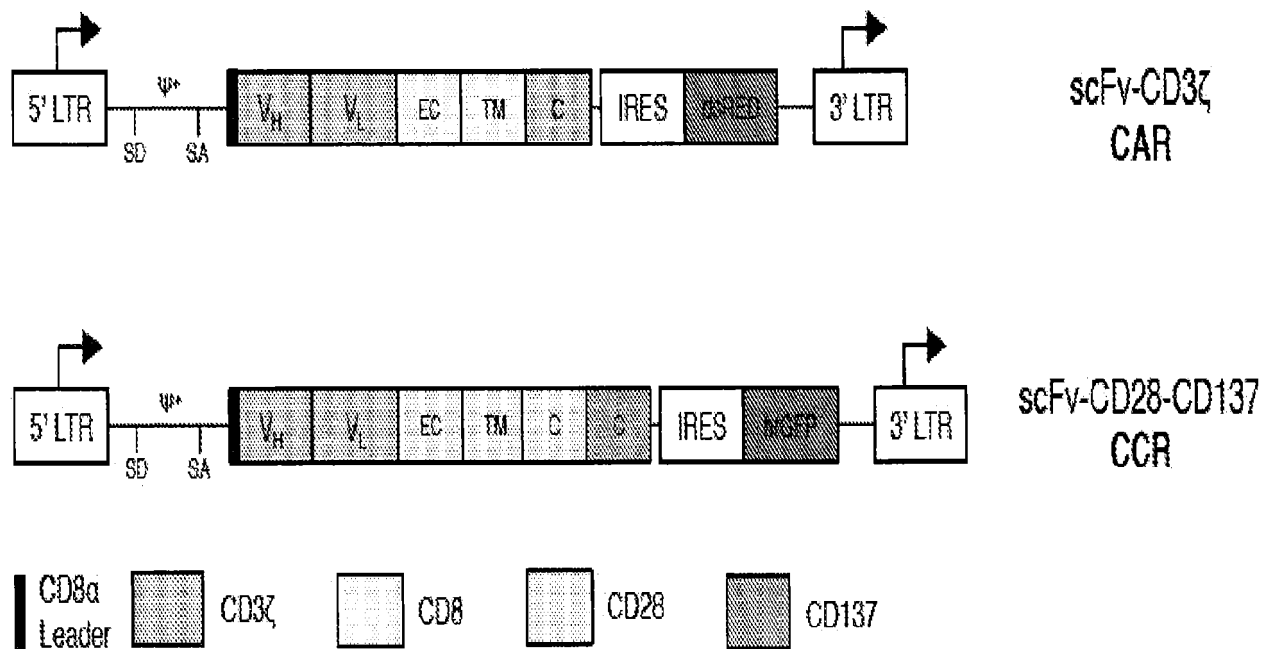


Figure 1A

T Cell Groups

1. Mock

2. 19z1

3. P28BB

4. 19z1 +
P28BB

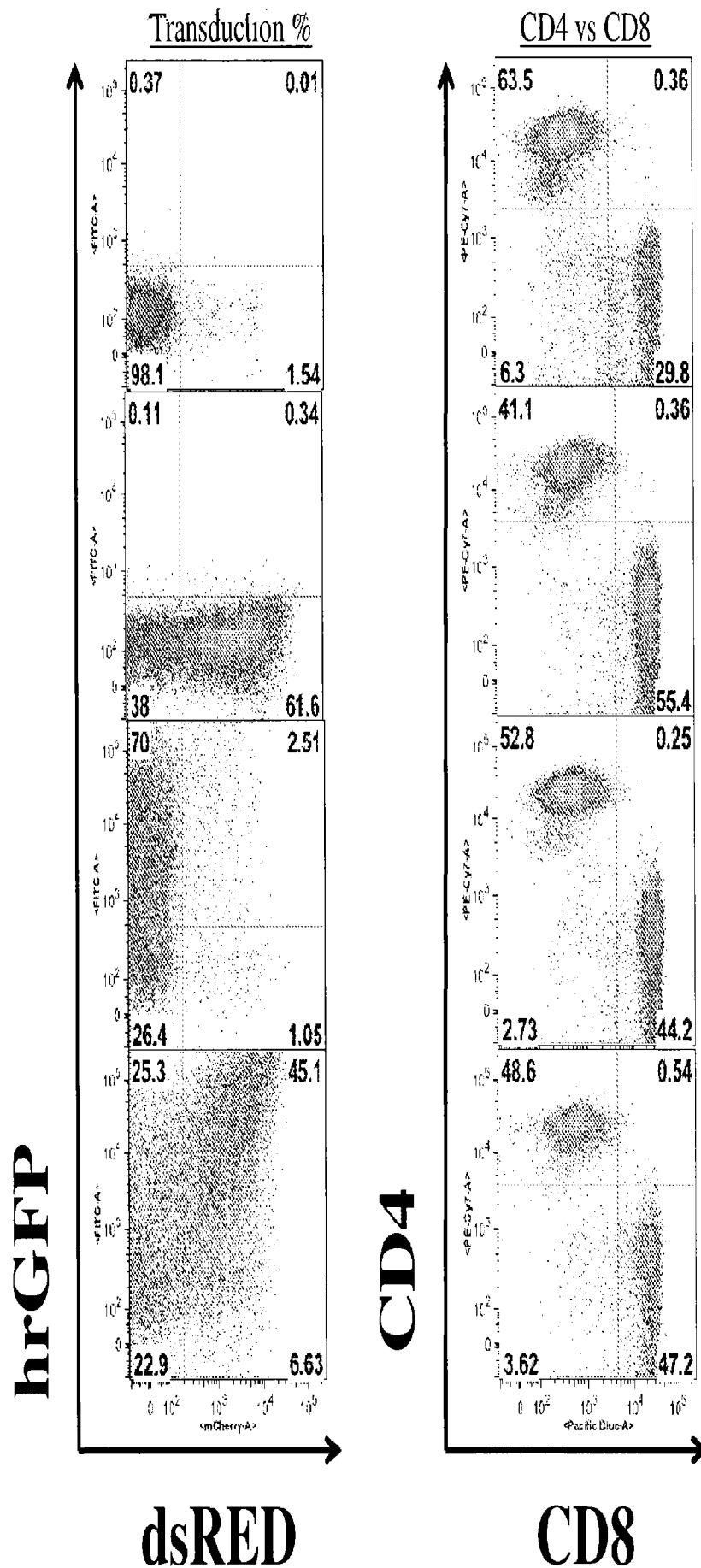


Figure 1B

Transduction of CTLs with Different and Multiple CARs

T Cell Groups

SFG Retroviral Transduction

1. Mock

N/A

2. 19z1

α -CD19 – CD8-CD3zeta	IRES	dsRED
------------------------------	------	-------

3. P28BB

α -PSMA – CD28 – 4-1BB	IRES	hrGFP
-------------------------------	------	-------

4. 19z1 +
P28BB

α -CD19 – CD8-CD3zeta	IRES	dsRED
+		
α -PSMA – CD28 – 4-1BB	IRES	hrGFP

Figure 1C

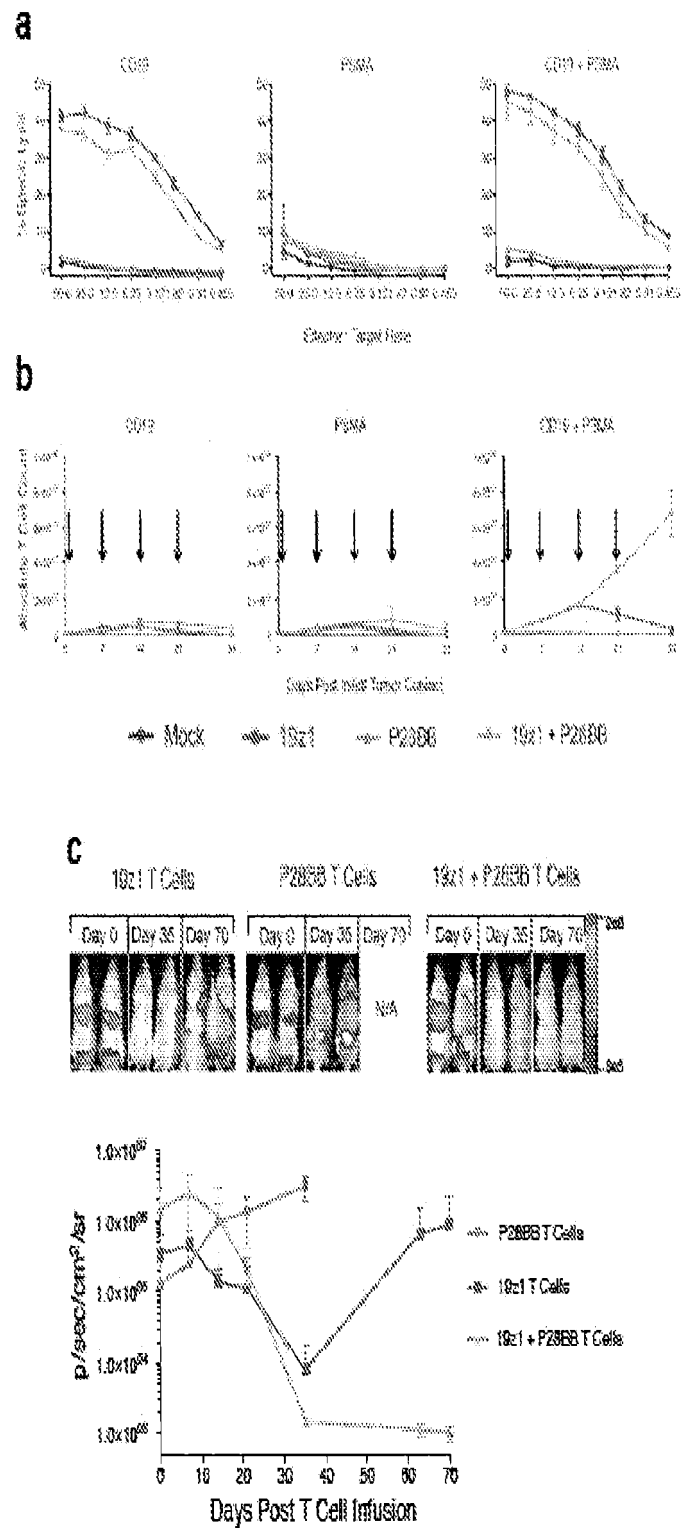


Figure 2

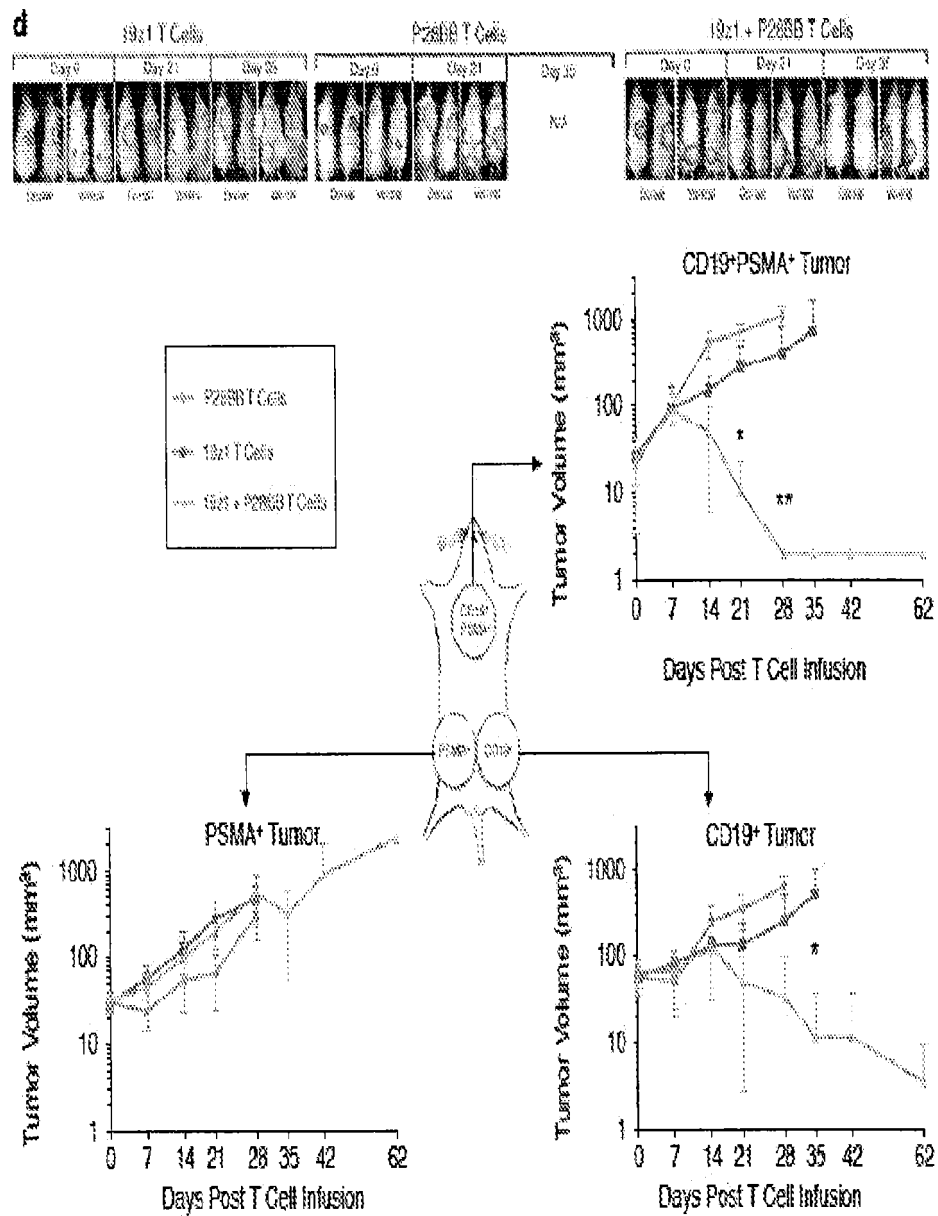


Figure 2
continued

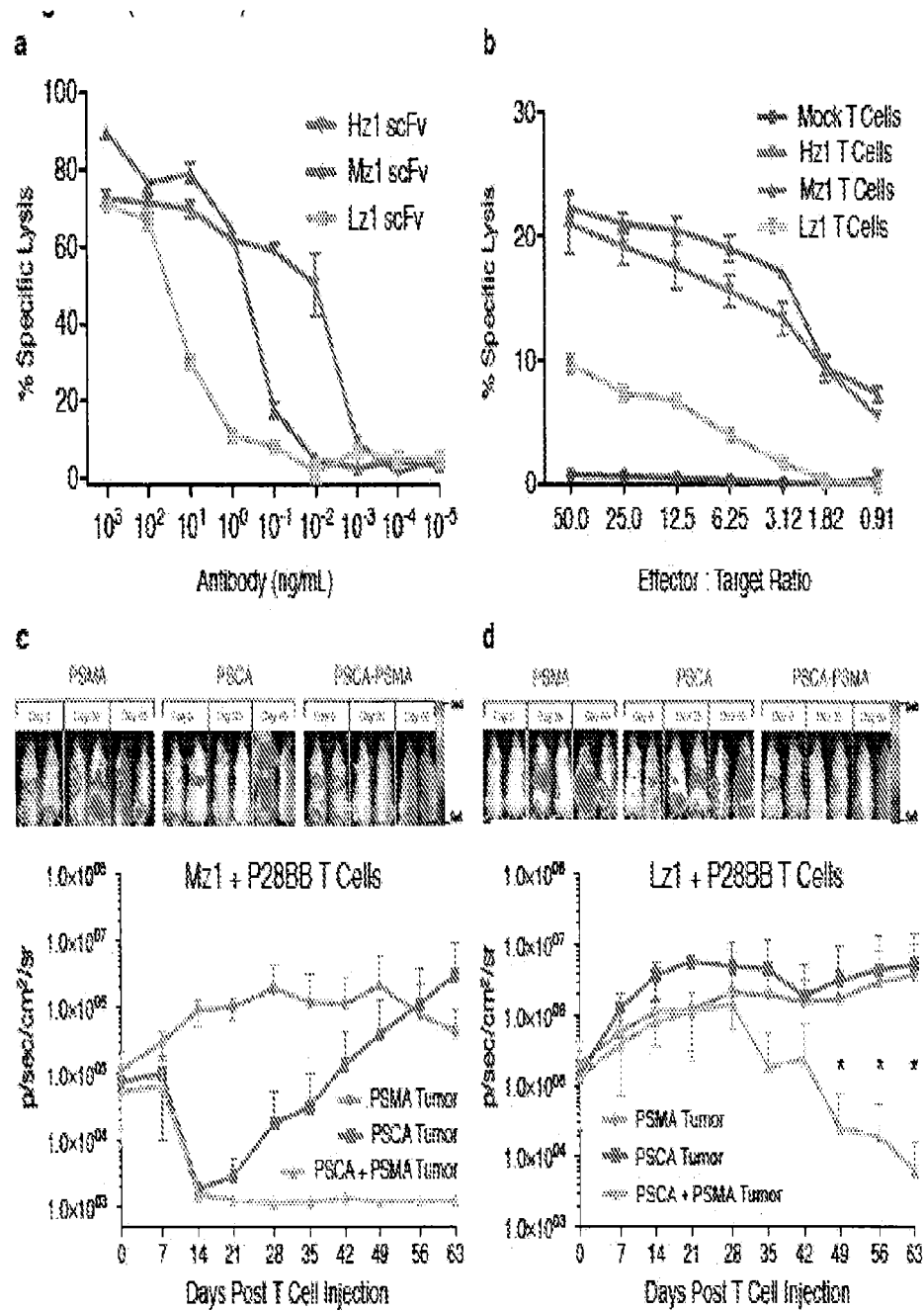


Figure 3

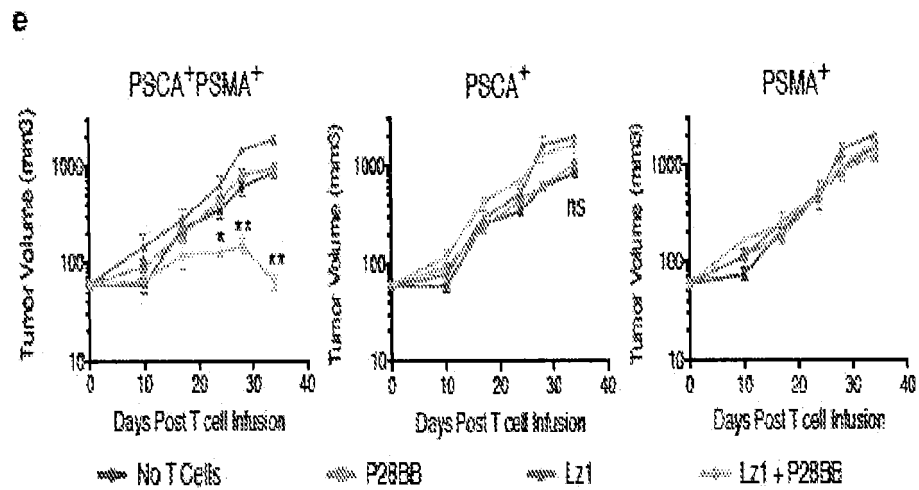


Figure 3
continued

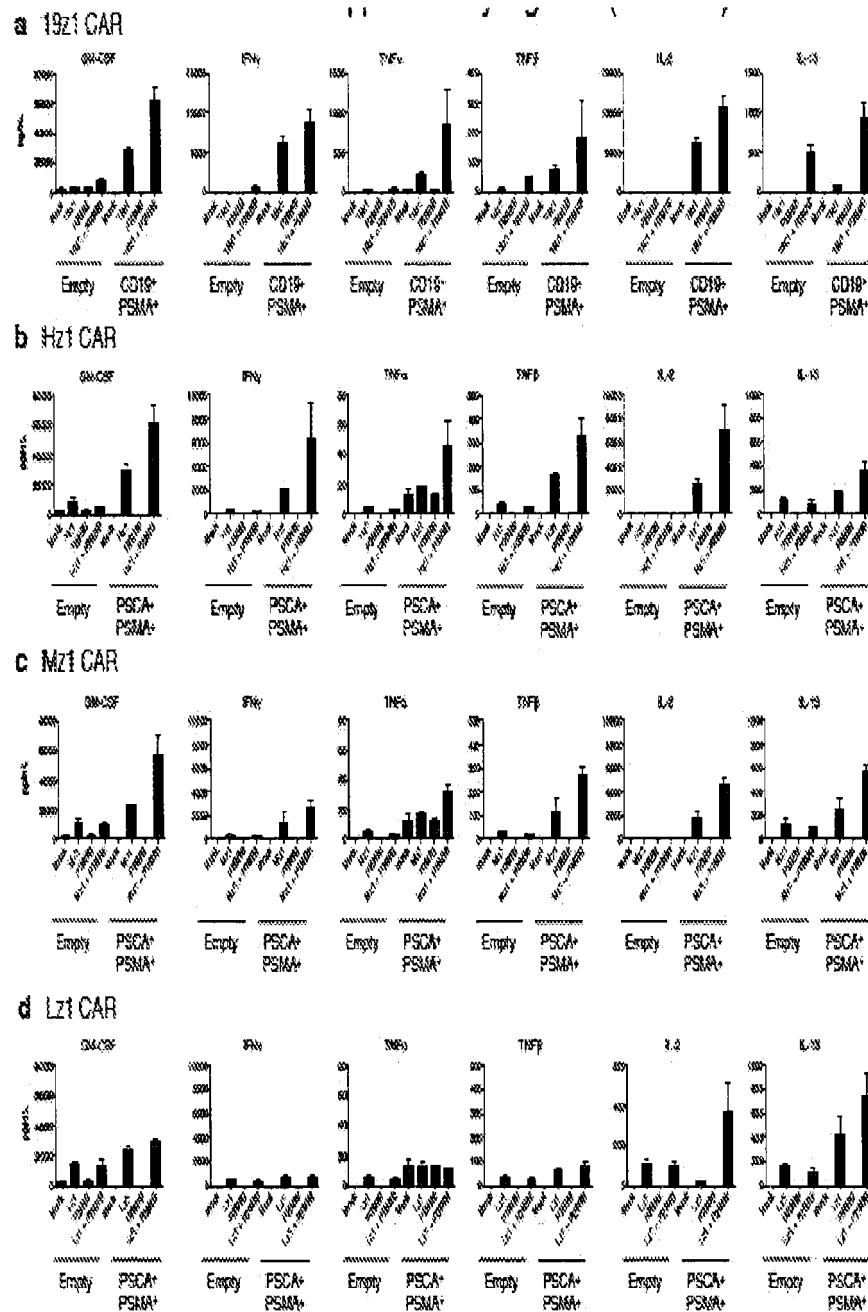


Figure 4

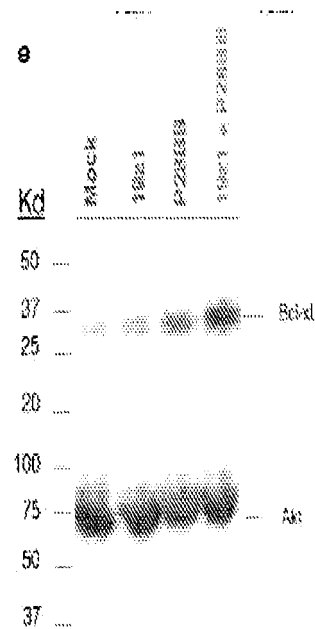


Figure 4
continued

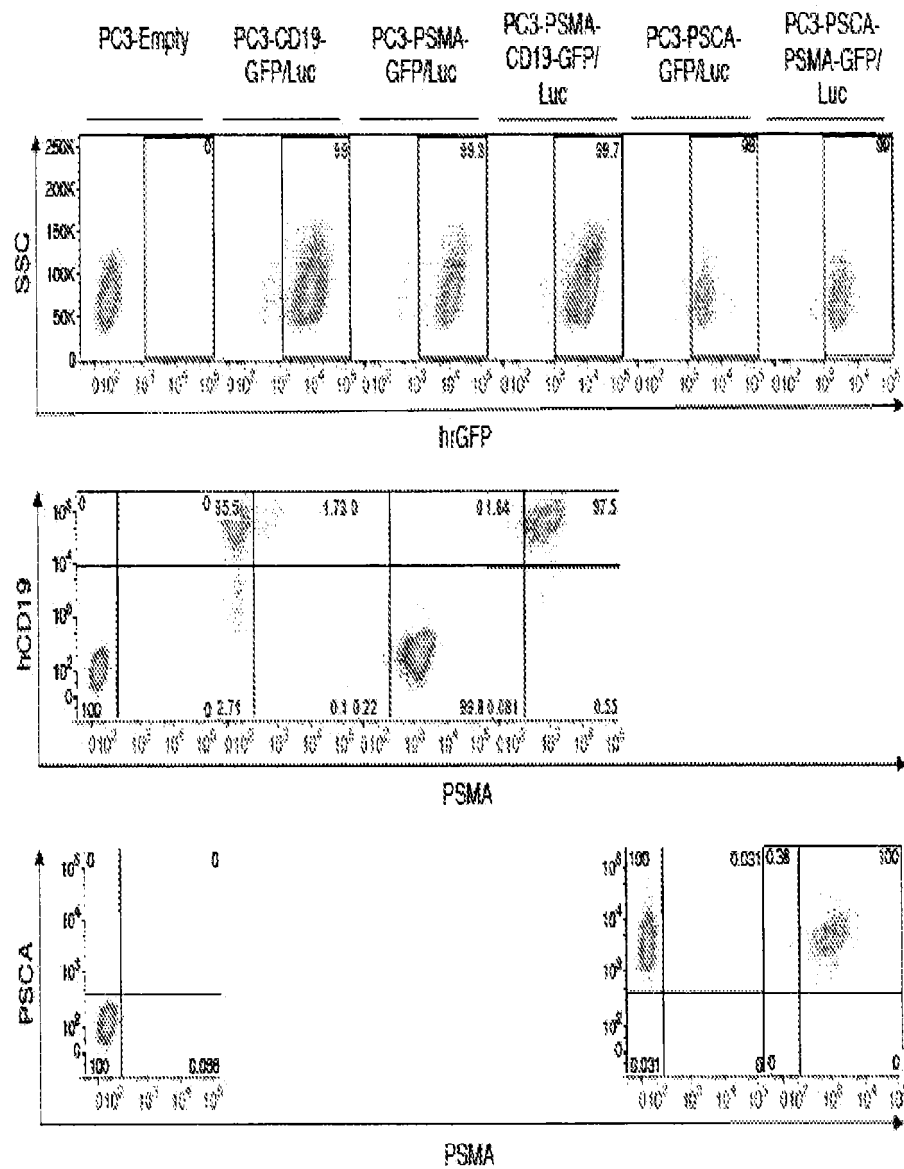


Figure 5

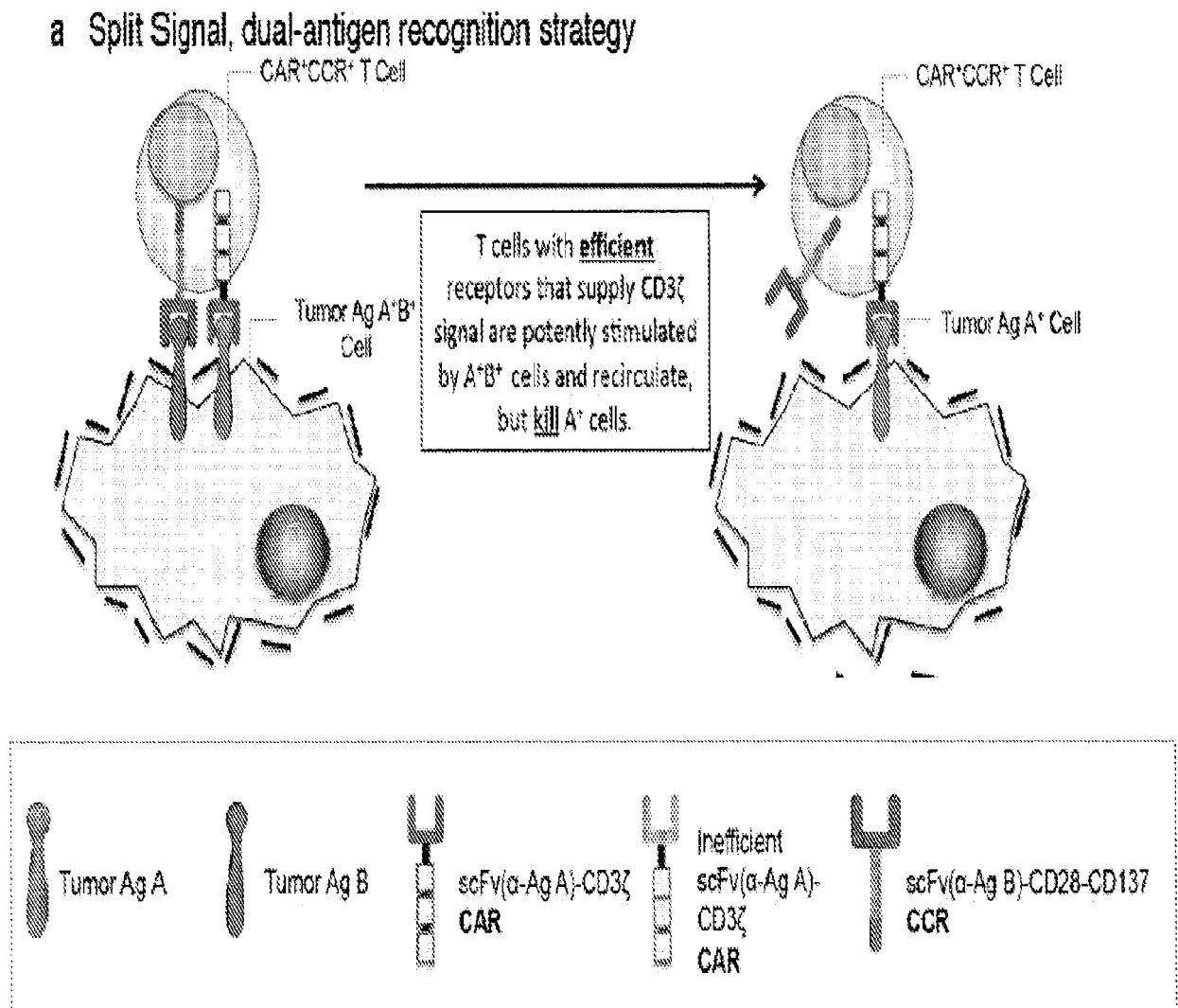


Figure 6A

b Tumor-Sensing T cell Strategy

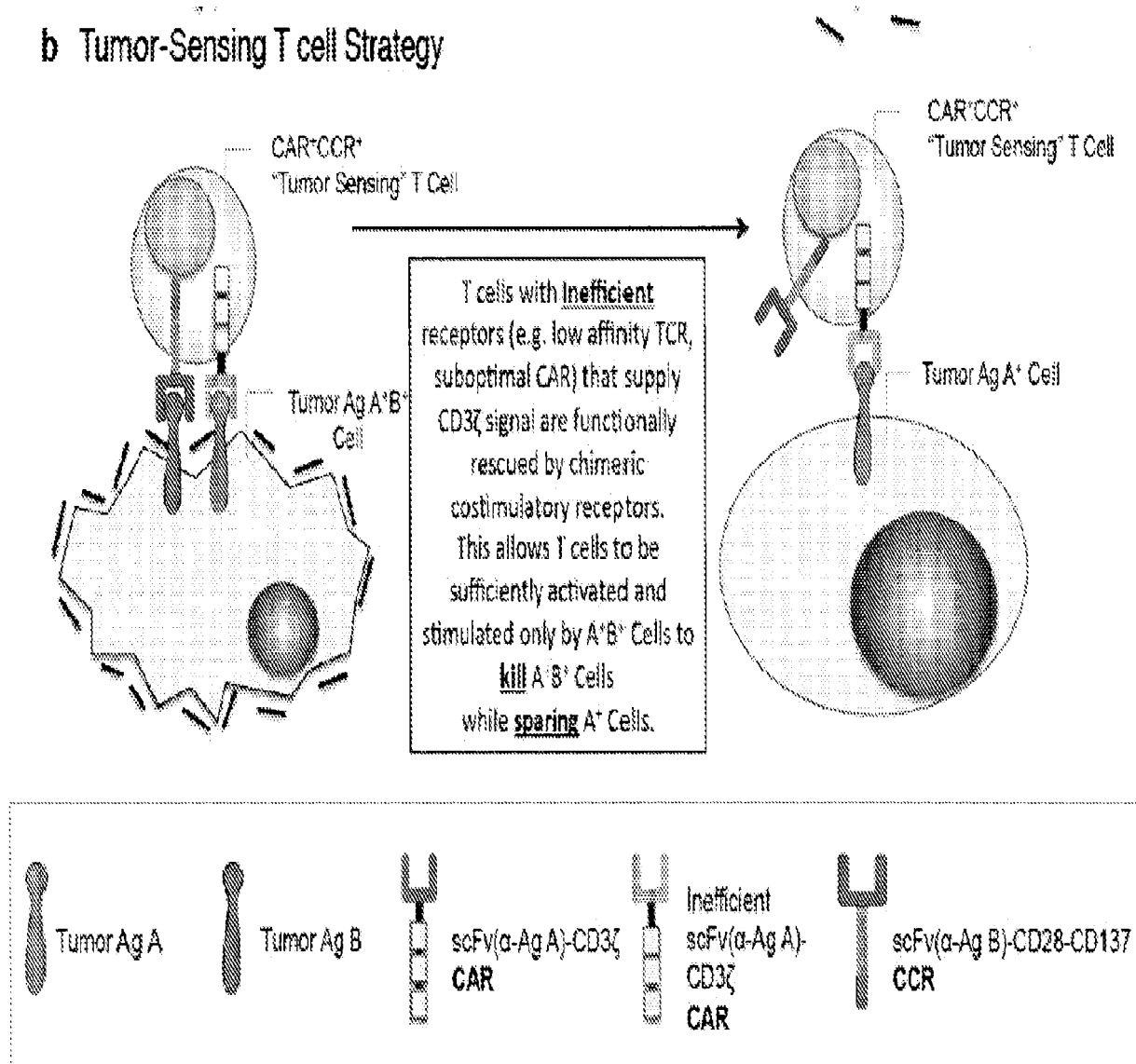


Figure 6B

Dual-CAR Stimulation and Activation

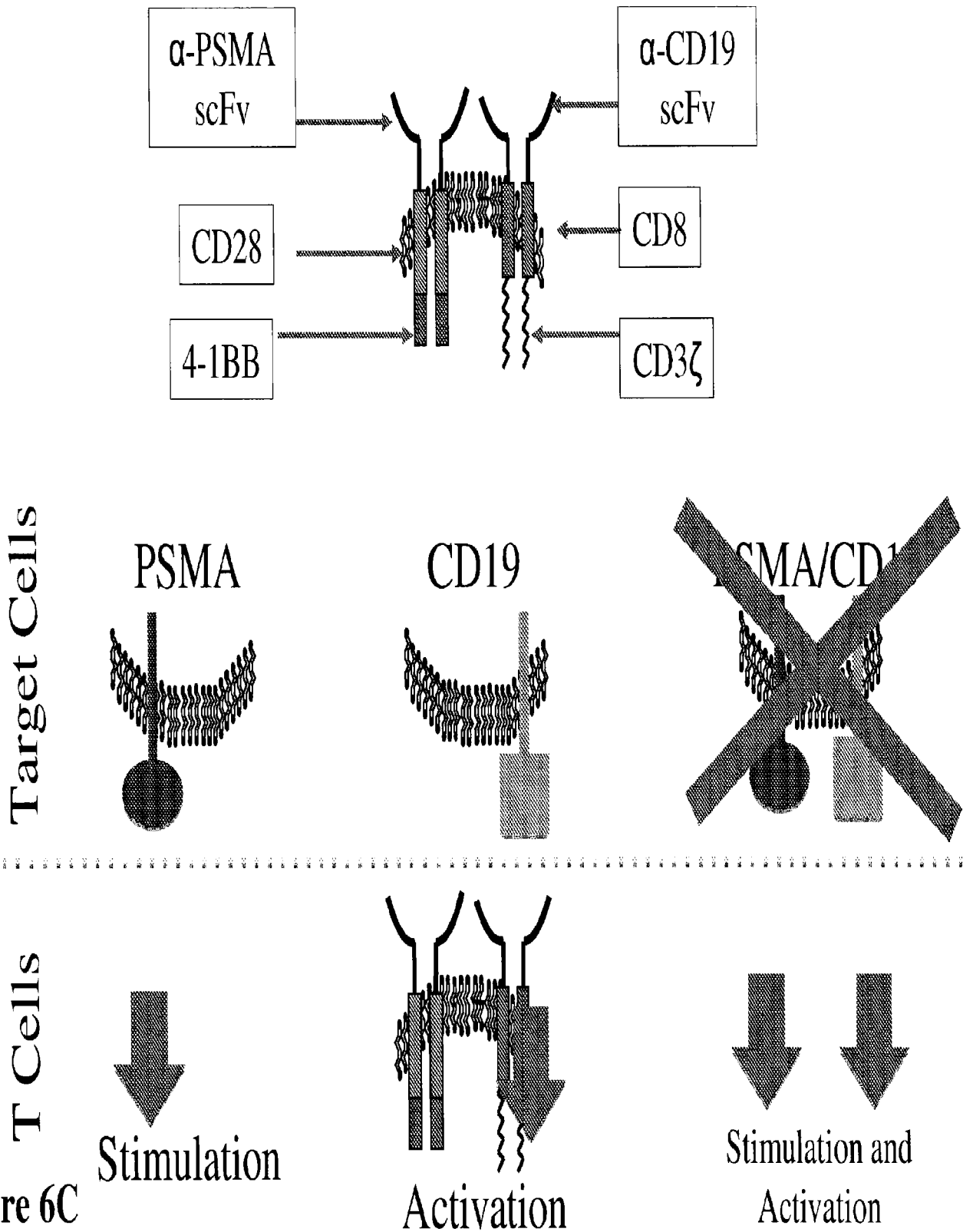


Figure 6C