

Supplementary file 1

Figure S1. Transfection and Transduction rate of mock T cells.

a) Fluorescence microscopy photograph of HEK-293 T cell transfected with mock vector. **b)** Flow cytometry analysis of transfection rate of HEK-293 T cells with mock vector after three days. The percentage of GFP-positive cells indicating successful transfection. **c)** Flow cytometry analysis of the transduction rate of mock T cells after three days. **d)** Transduction rate of mock T cells two weeks after puromycin selection. Controls cells (gray); transfected/or transduced cells (green).

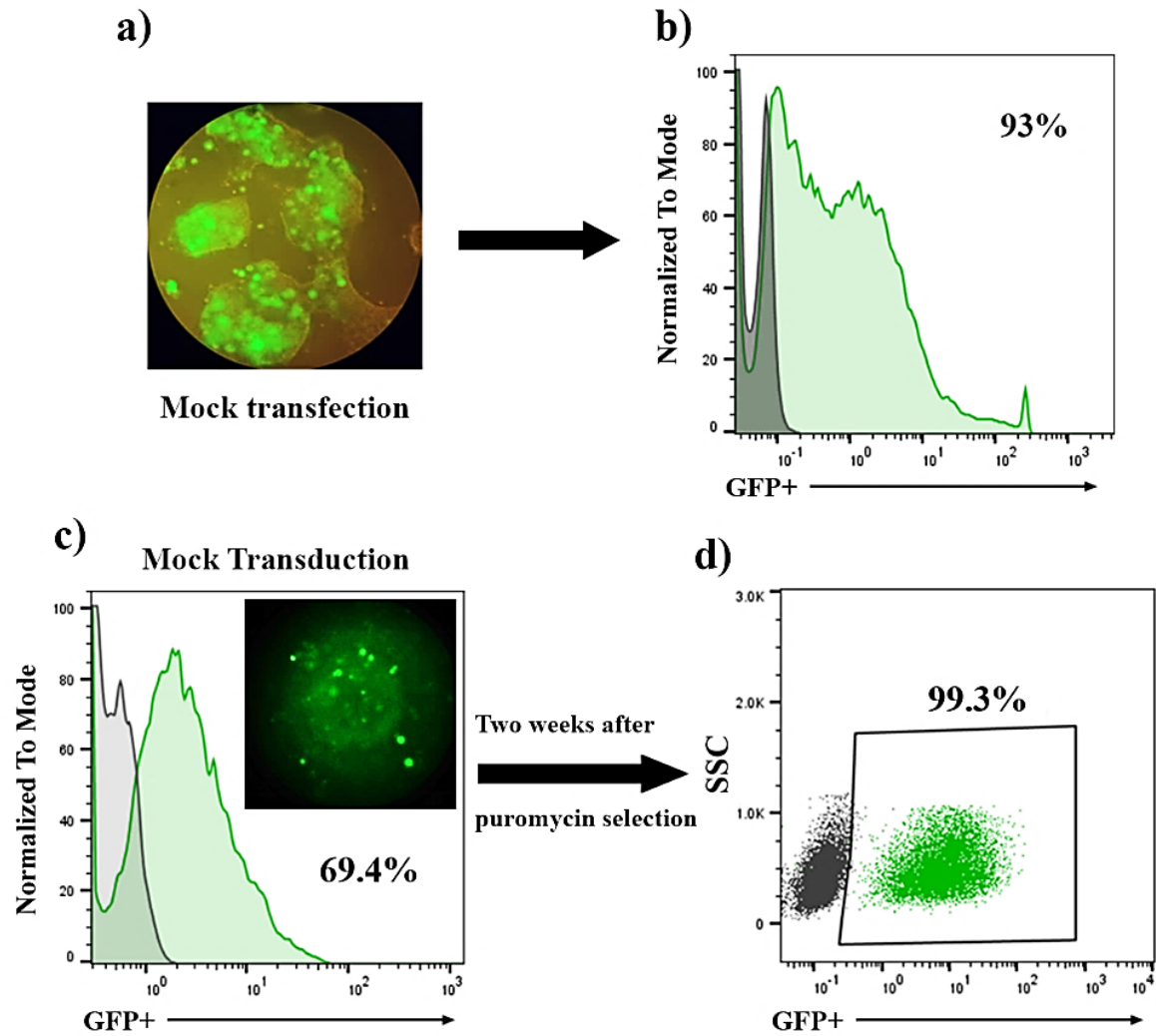


Figure S2: IL2 and IFN- γ cytokine analysis of TGF β RII CAR T cells in response to 0, 5 and 10 ng/ml TGF β .

a) IL-2 and **b)** IFN- γ production by TGF- β RII CAR T cells after 48h. Statistical significance is indicated by p-values (* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$). Data shown are the representatives of three technical replications. data are based on mean $\pm$ SD. IL-2 and IFN- γ secreted into the culture supernatants were measured by ELISA.

