Supplementary Materials:

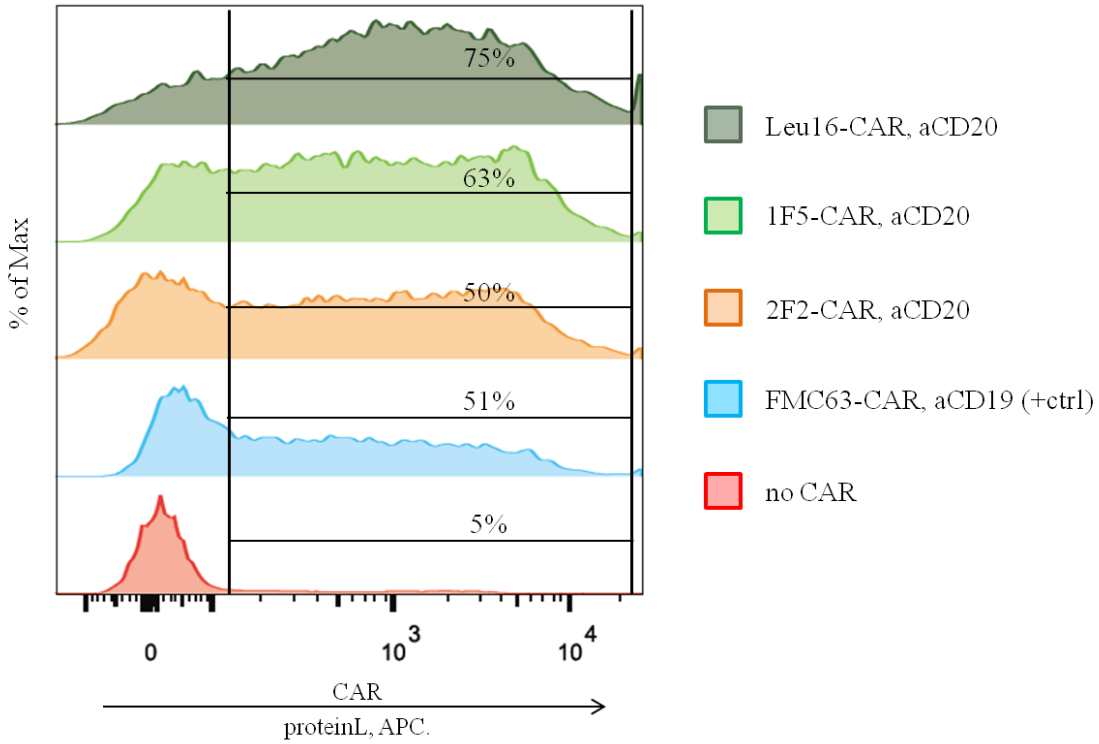


Figure S1. Similar surface expression of all the CARs tested was achieved following transduction of primary human T cells, as assayed by proteinL staining and flow cytometry

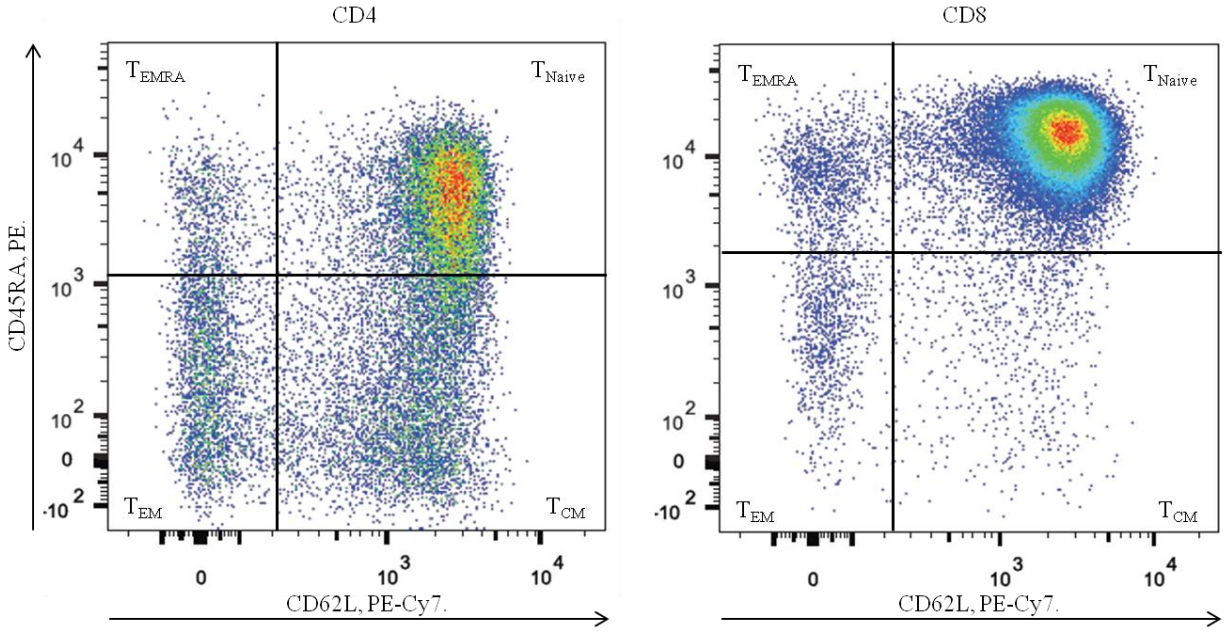


Figure S2. Strategy of T_N, T_{CM}, T_{EM} and T_{EMRA} cell subpopulations gating among CD4+ and CD8+ CAR T cells on day 21 after isolation.

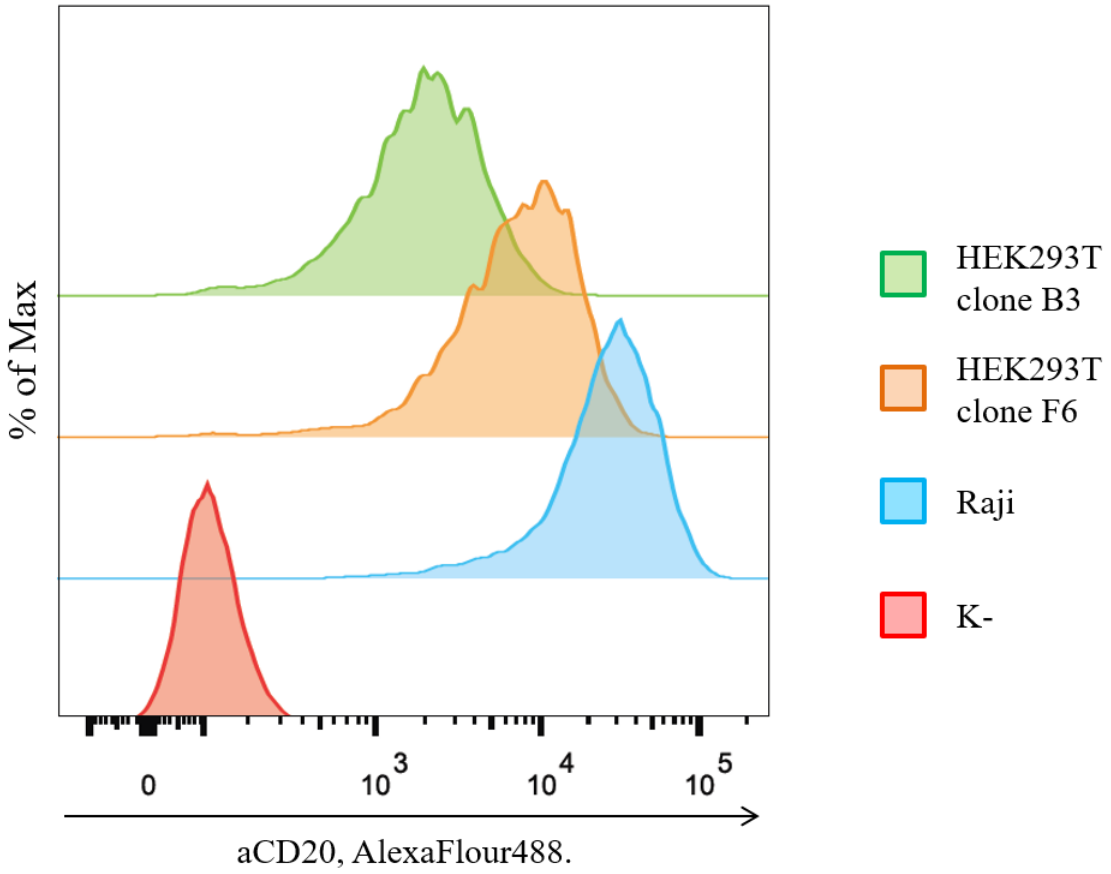


Figure S3. Monoclones of HEK293T-CD20 show lower CD20 expression compared to the CD19+ CD20+ lymphoma Raji cell line, as assayed by anti-CD20 staining and flow cytometry.

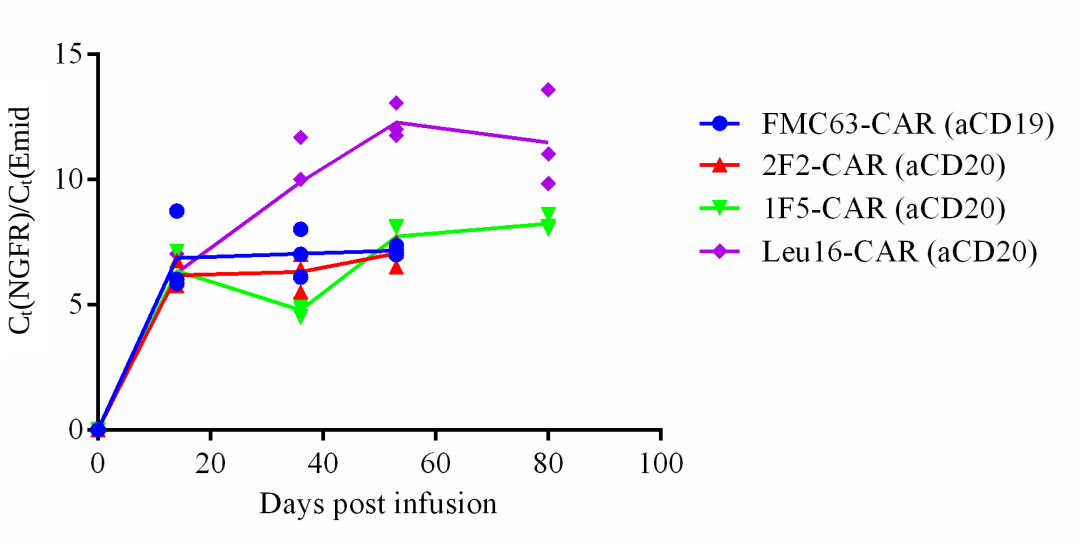


Figure S4. Q-PCR analysis of CAR T cell dynamics in vivo.

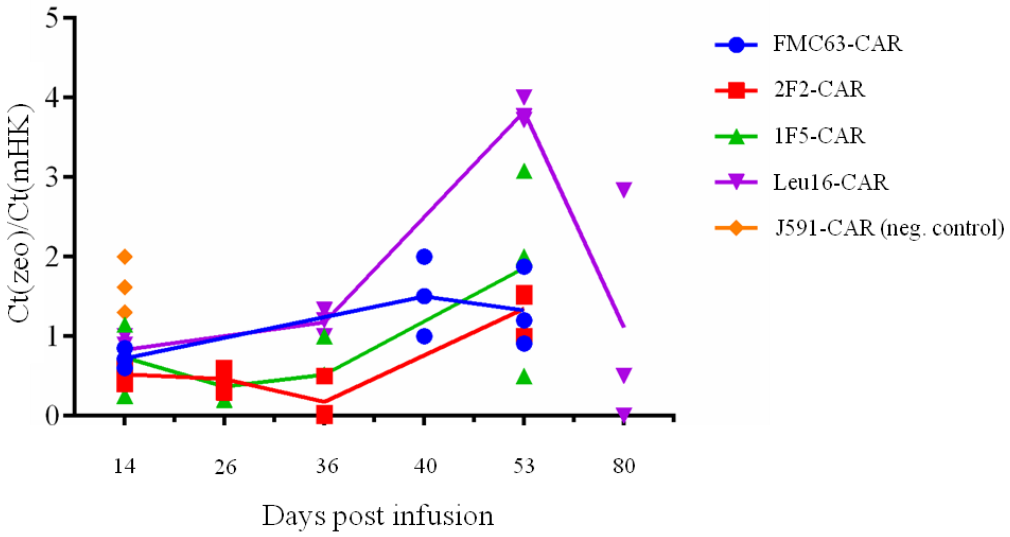


Figure S5. Indirect assessment of tumor cell numbers via qPCR detection of tumor cell DNA in blood samples of Nalm6-CD20 xenotransplanted mice.

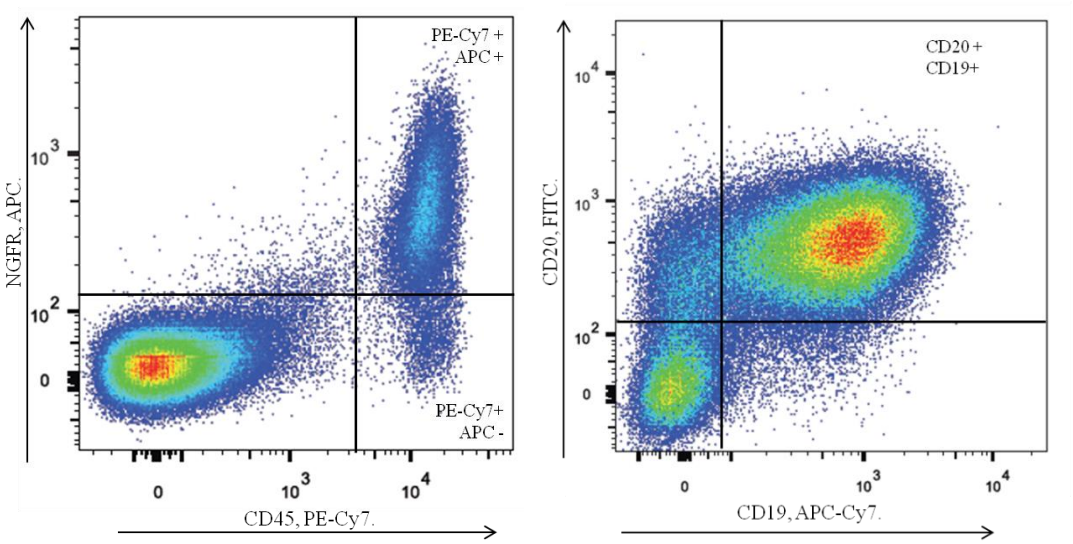


Figure S6. Simultaneous presence of CAR T-cells (left, anti-CD45 and -NGFR staining) and tumor cells (right, anti-CD19 and -CD20) in the bone marrow sample from an euthanized mouse (representative image).