Fig. S4

A

CAR3 T cells   CAR9 T cells   CAR23 T cells

CAR1 T cells   CAR6 T cells   CAR24 T cells

CD70 Expression ⟶

Staining reagents

CAR3 fab   class 1a
CAR9 fab   class 1a
CAR23 fab   class 1b

CAR1 fab   class 2a
CAR6 fab   class 2a
CAR24 fab   class 2b

isotype control

B

786-O   ACHN   T cells

CD70 Expression ⟶

Staining reagents

CAR3 fab   class 1a
CAR9 fab   class 1a
CAR23 fab   class 1b

CAR1 fab   class 2a
CAR6 fab   class 2a
CAR24 fab   class 2b

isotype control
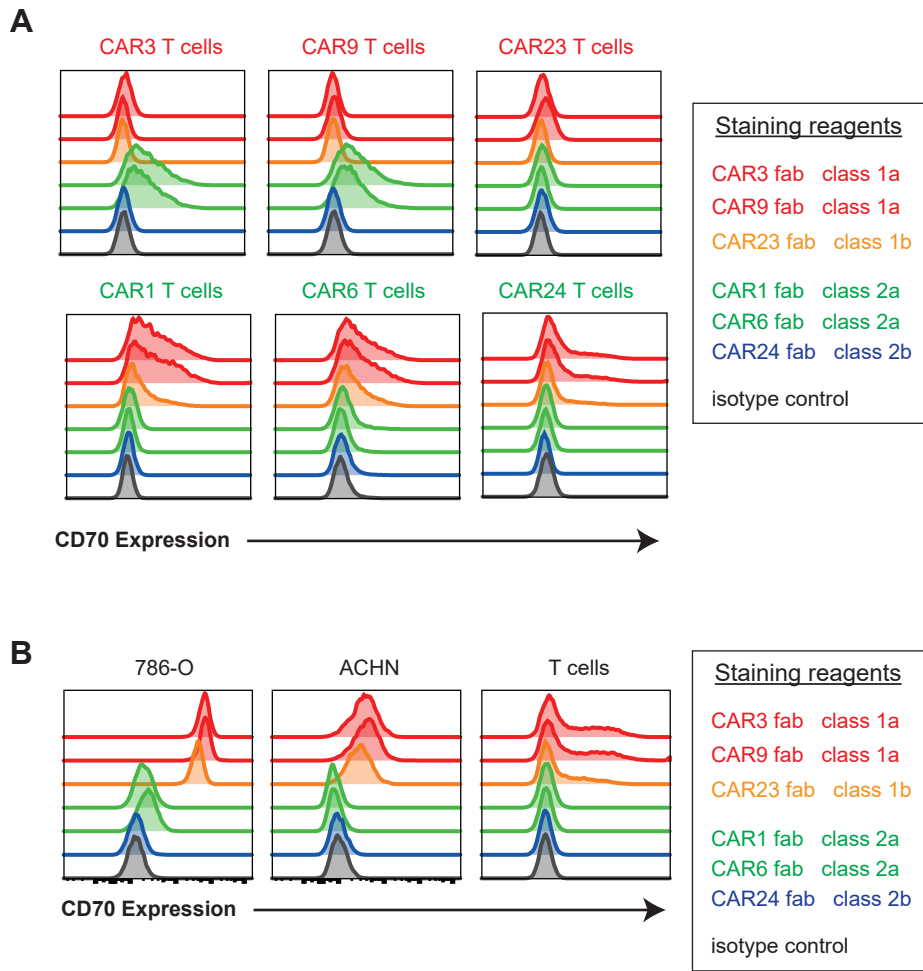
Figure S3. CD70 expression on CAR T cells can only be detected by Fabs of the opposite class. **A,** Class 1 (CAR 3, 9, 23) and class 2 (CAR1, 6, 24) CD70 CAR T cells were generated and stained with either class 1 or 2 Fabs and analyzed by flowcytometry. **B,** CD70 expression on RCC cell lines and T cells is detected clearly with class 1 Fabs, but minimally with class 2 Fabs as determined by flowcytometry.