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Supplemental information

Simultaneous engineering of natural killer cells for CAR transgenesis and CRISPR-Cas9 knockout using retroviral particles

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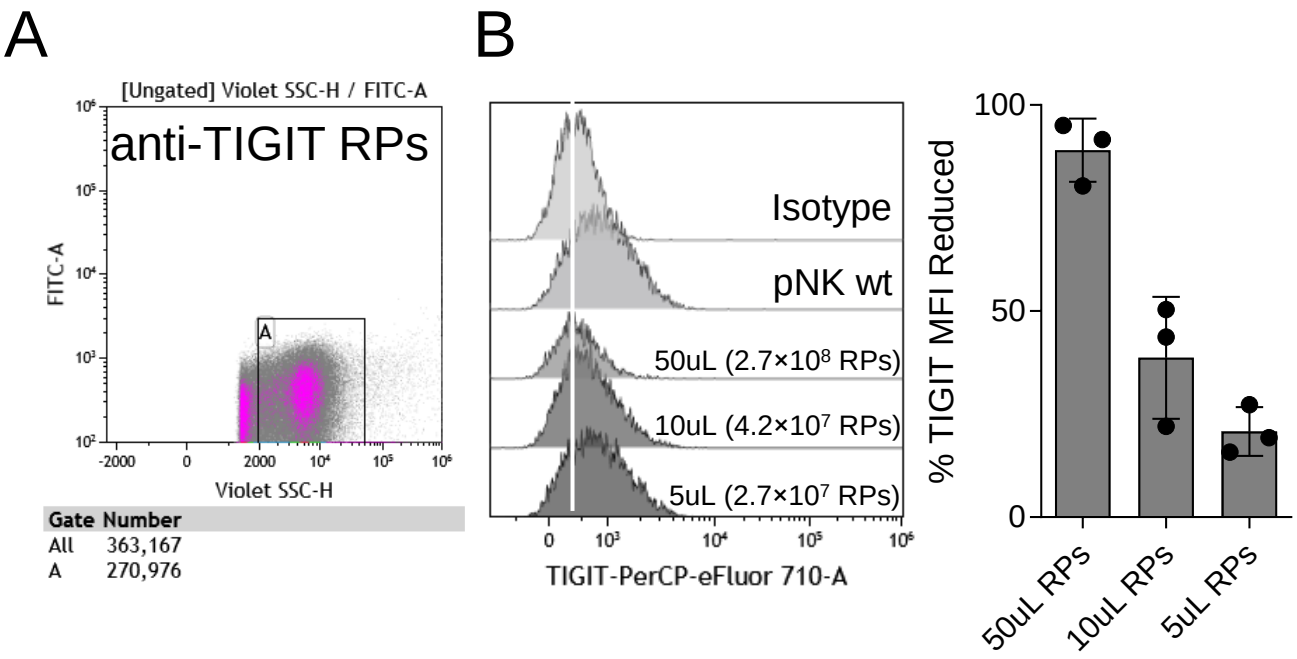
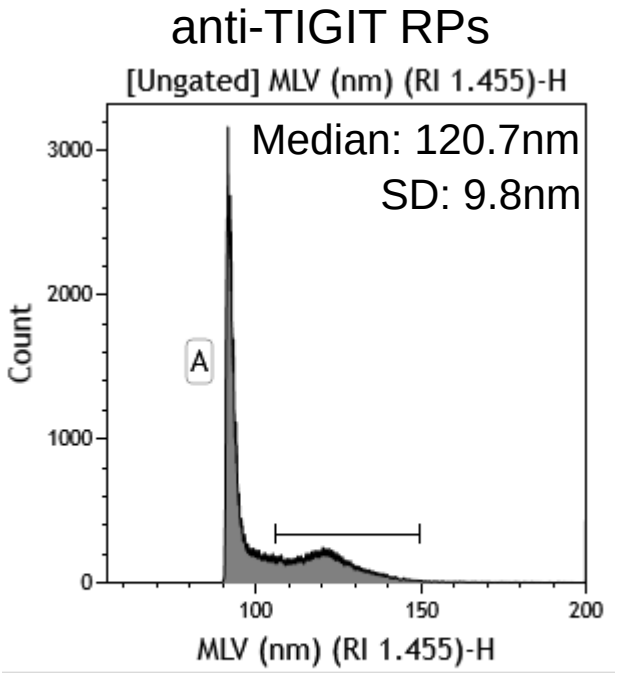


Figure S1. The number of retroviral particles (RPs) for human primary NK cell TIGIT knockout

(A) Representative dot-plot to gate RPs **(B)** Volume-based TIGIT knockout in NK cells and the number of particles in each volume.



Gate	X-Med	X-Stdev	X-Min	X-Max
All	95.99	69.36	88.70	1,918.90
A	120.77	9.80	106.00	149.80

Figure S2. Size of the RPs calculated by FCMPASS based on polystyrene standard beads and MLV refractive index, 1.455. X-Med; Median, X-Stdev (SD); Standard deviation, X-Min; Minimum, X-Max, Maximum.

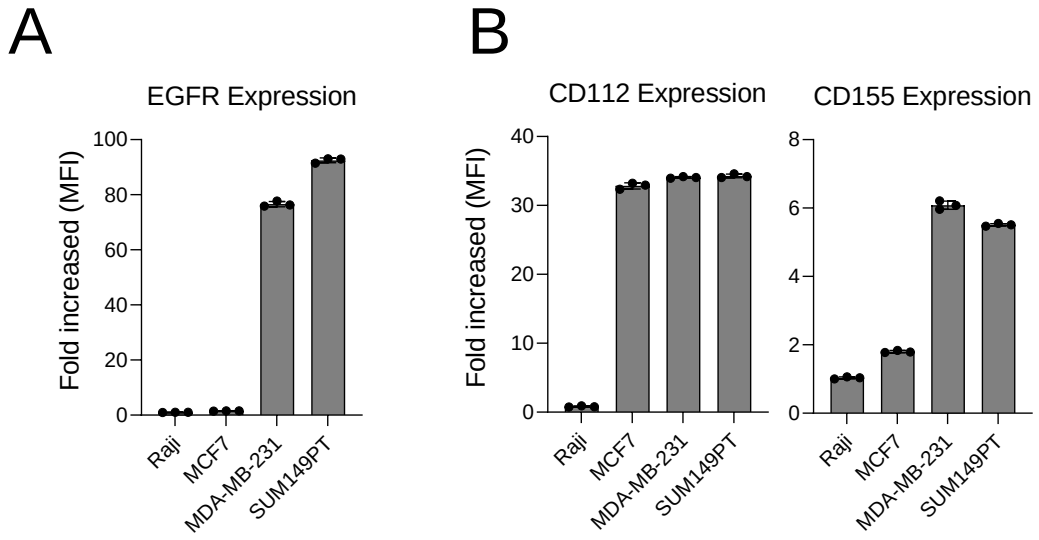


Figure S3. Determination of EGFR and TIGIT-ligand expression, CD112 and CD155, on various cancer cells. (A) Surface EGFR expression on the B cell, estrogen receptor-positive, and triple-negative breast cancer cell lines. **(B)** Surface expression of TIGIT ligand, CD112 and CD155, on the cancer cell lines.