

NK-Cell-Mediated Targeting of Various Solid Tumors Using a B7-H3 Tri-Specific Killer Engager In Vitro and In Vivo

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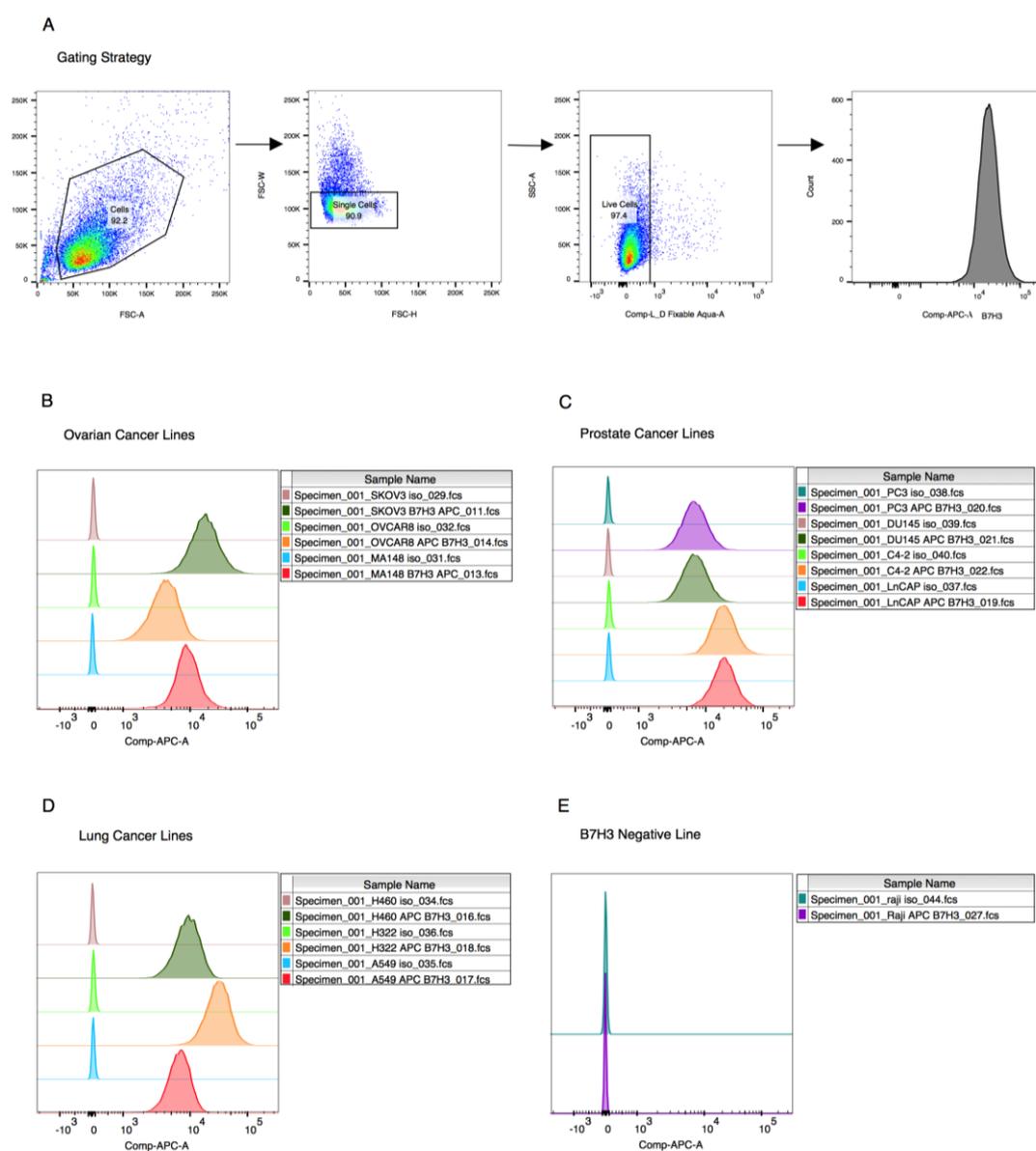


Figure 1. To evaluate expression of B7-H3 on a broad spectrum of cancer cell lines, an APC labeled anti-B7-H3 antibody (clone 7-517, Invitrogen) was used. (A) Gating strategy for flow cytometric evaluation of B7-H3 on tumor cell lines. B7-H3 expression on (B) ovarian cancer cells, (C) prostate cancer cells, (D) lung cancer cells, and (E) lymphoma cells (as a negative control).

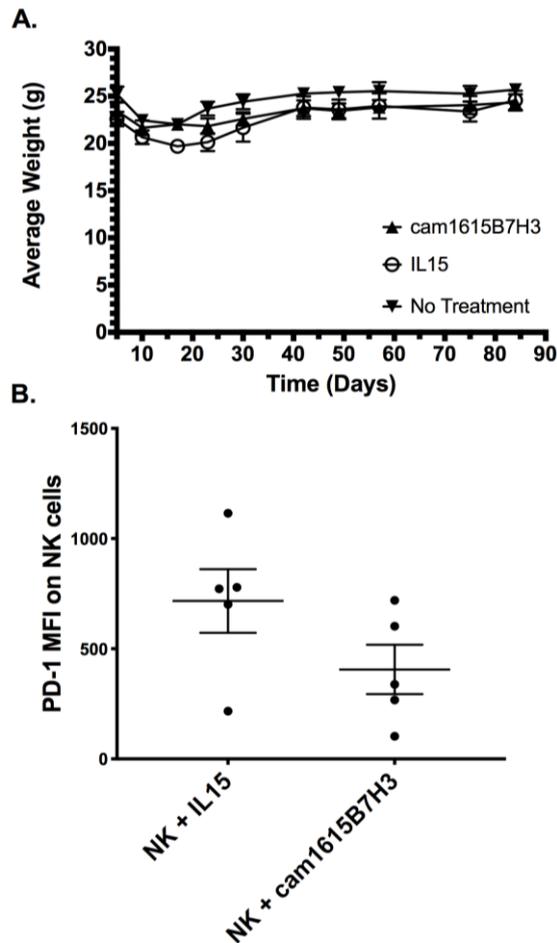


Figure S3. (A) NSG mice were irradiated (180 cGy), to enhance NK cell engraftment, and injected with 1 million NK cells 3 days later. Mice were then either left untreated, or treated with 5 ug/injection IL15 (3 days a week; MWF), or 30 ug/injection cam1615B7H3 (5 days a week; MTWThF) for three weeks. To elucidate toxicity, weights were tracked over the course of 90 days, starting at the time of treatment (N = 5). (B) Xenogeneic ovarian cancer MA-148-Luc model was carried out with injected NK cells and noted treatments. 21 days after initial treatment mice were harvested and peritoneal lavages were carried out to evaluate PD-1 expression on CD56+CD3⁻ NK cells by flow cytometry. Scatter plots shown displaying PD-1 median fluorescence intensity on NK cells.

