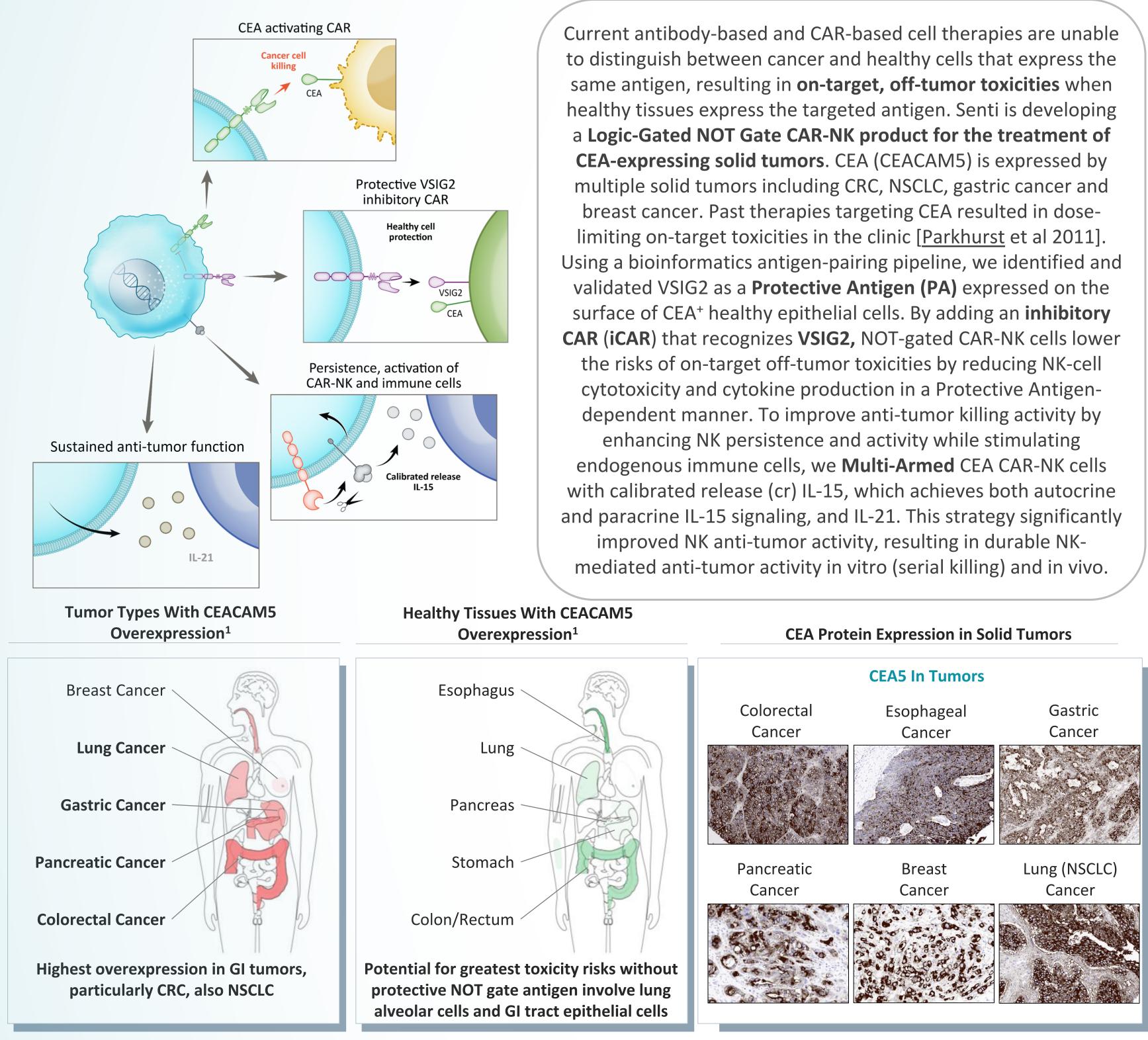


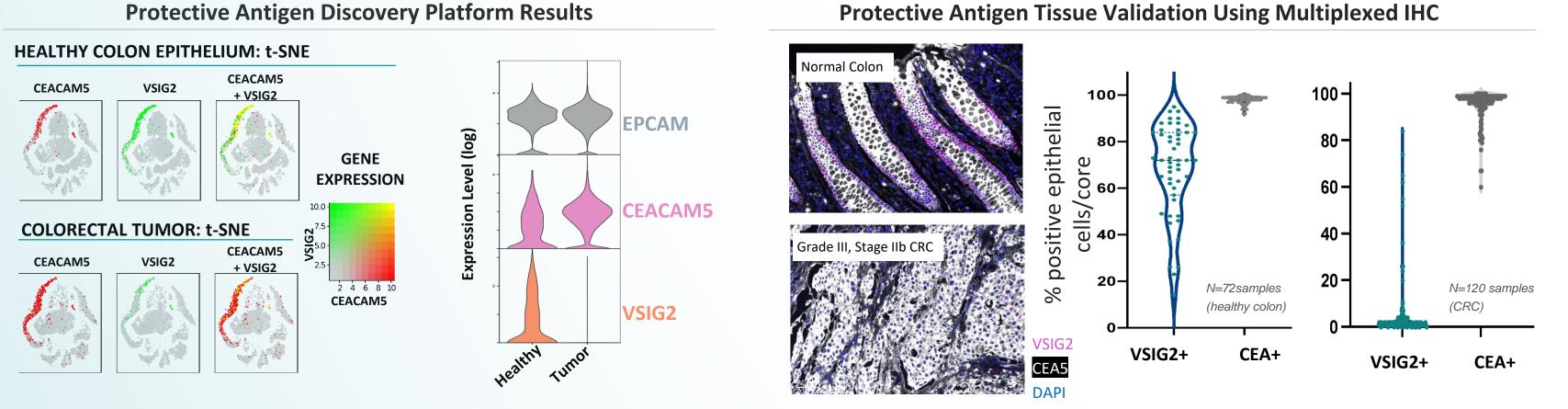
SENTI-401, an Allogeneic Logic-Gated and Multi-Armed CAR-NK Cell Therapy for the **Treatment of CEA-Expressing Solid Tumors with Enhanced Selectivity and Activity**

Nicholas Frankel, Maelig Morvan, Assen Roguev, Michelle Hung, Russell Gordley, Miguel Palermo, Tyler Santomasso, Pearley Chinta, Aldo Sotelo, Marcus Gainer, Derrick Lee, Tony Hua, Cheng-Ting Lee, Andrew Banicki, Mengxi Tian, Niran Almudhfar, Otto Contreras, Tim Lu, Alba Gonzalez

SENTI-401: Logic-Gated CAR-NK Cells Incorporating NOT GATE and Multi-Arming Gene **Circuits for the Treatment of CEA⁺ Solid Tumors**

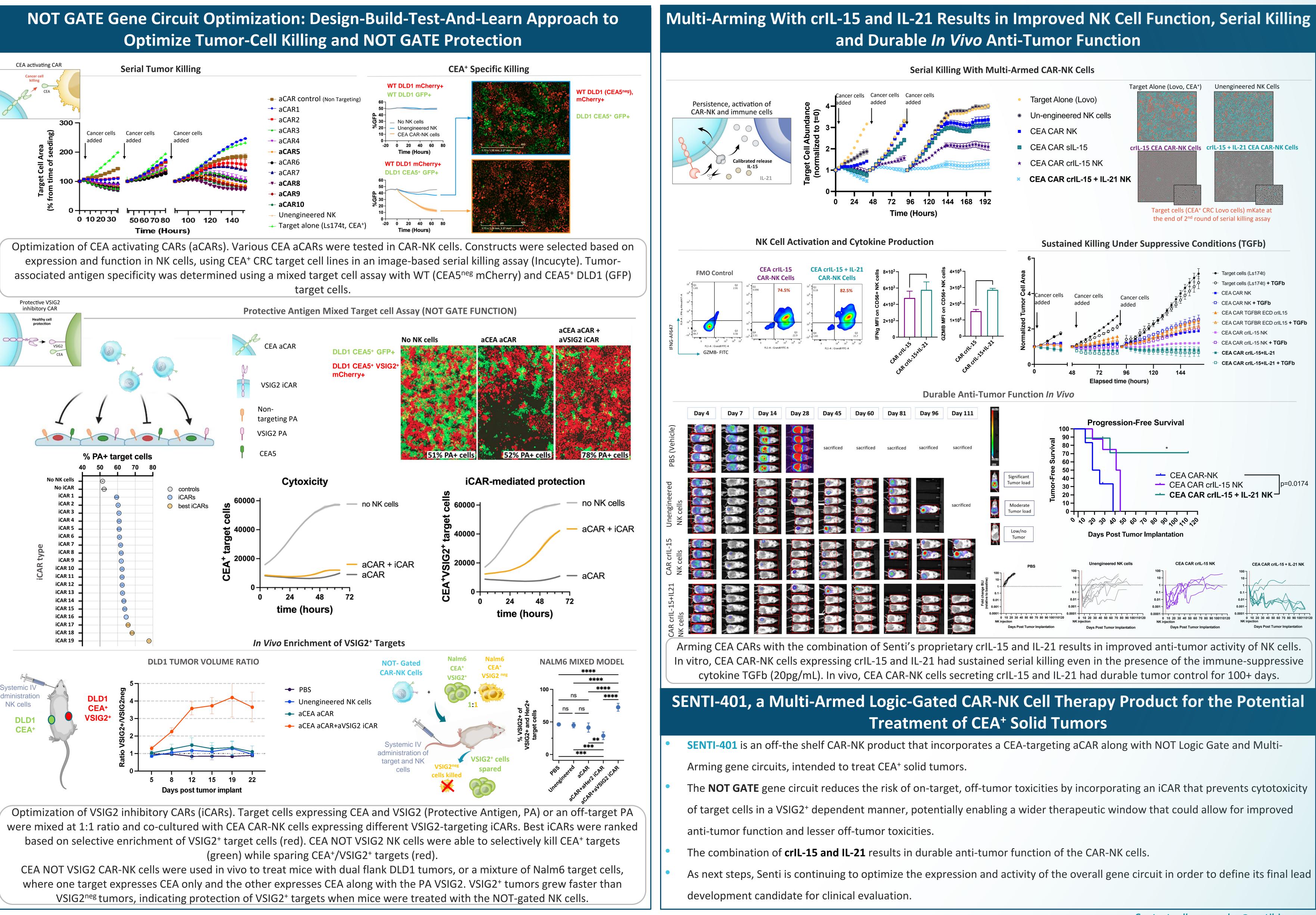


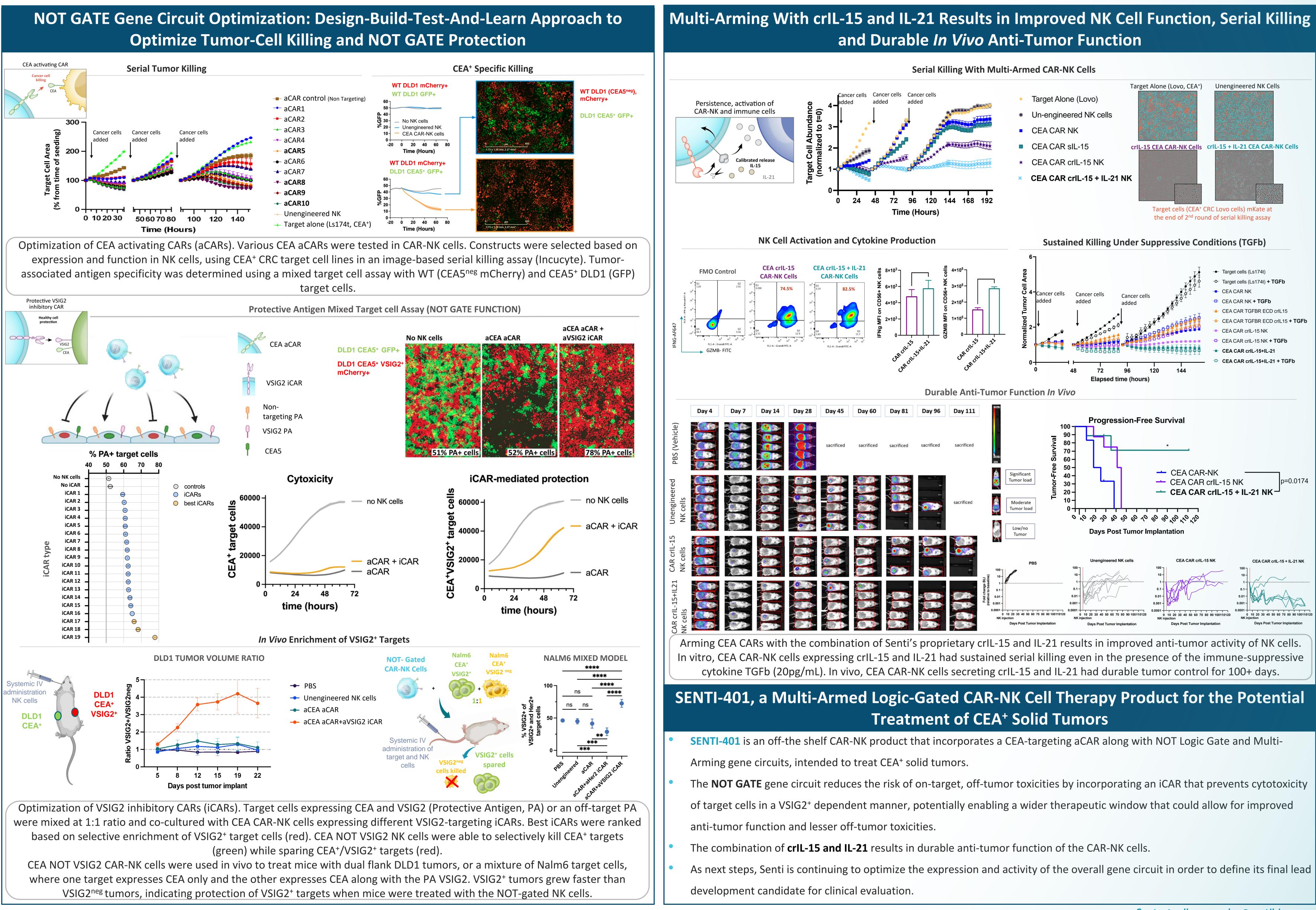
Median expression of tumor and normal samples in body map (Log2 (TPM+1) scale). Source: TCGA, Gtex; IHC: Internal Data



CEA (CEACAM5) expression in tumor and healthy tissues (TCGA and Gtex gene-expression data sets). IHC validation of CEA expression in various solid tumors. Bioinformatics pipeline prioritizes Protective Antigens that are expressed in the membrane of healthy epithelial cells that also express the tumor-associated antigen. Using this approach, we identified and validated VSIG2 as a protein uniquely expressed on the membrane of CEA⁺ healthy epithelial cells and not expressed on the membrane of tumor cells.

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