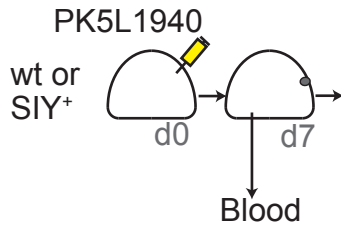


Tumor cure by radiation therapy and checkpoint inhibitors depends on pre-existing immunity

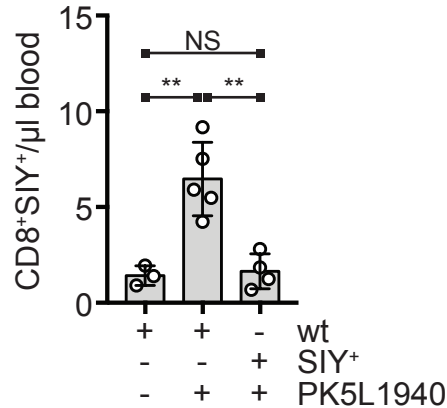
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Supplemental Figure 1

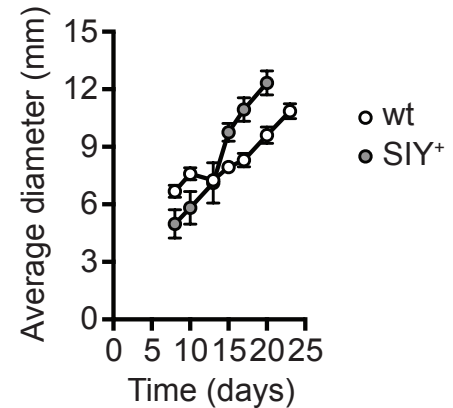
a) i) Experimental design



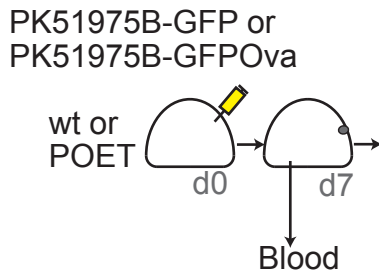
ii) d7 blood



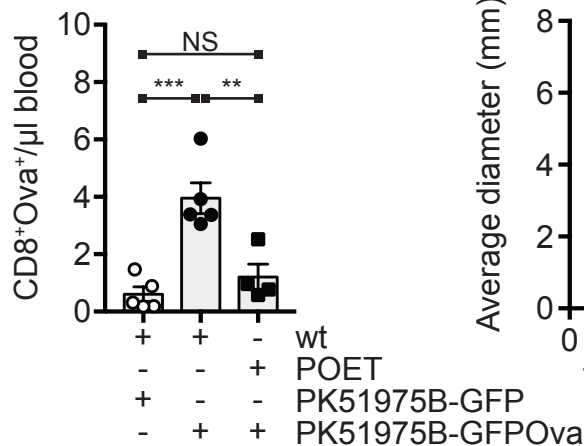
iii) Tumor growth



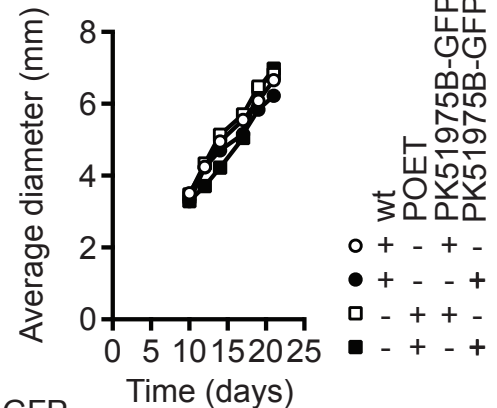
b) i) Experimental design



ii) d7 blood



iii) Tumor growth



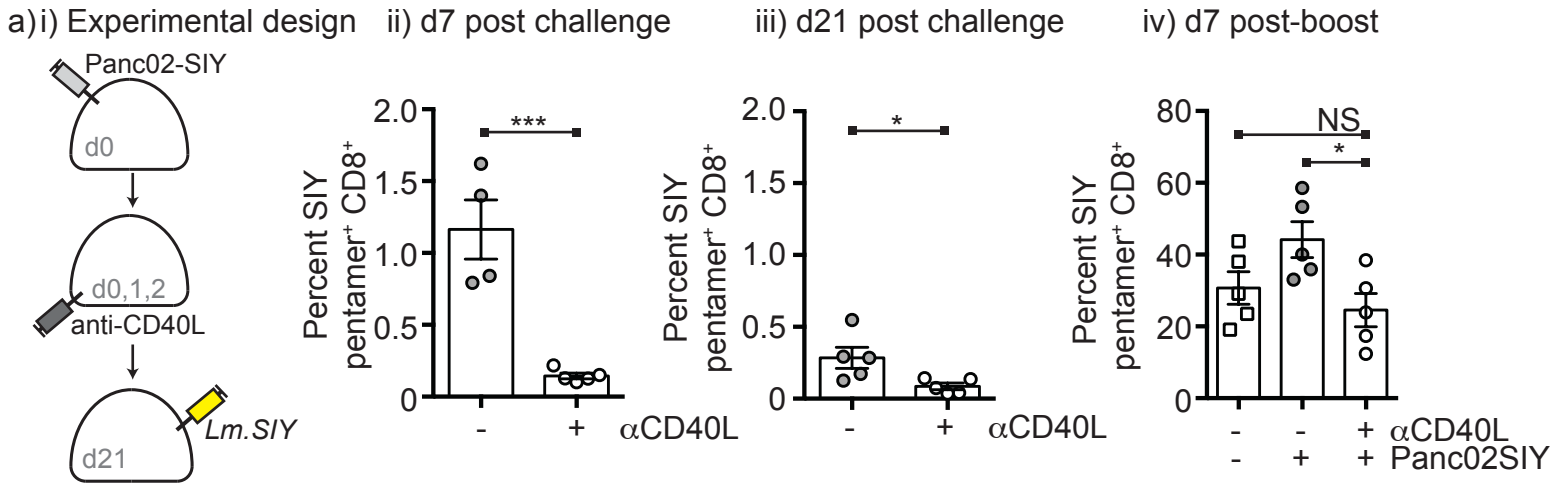
T cell response to tumor implantation in spontaneous pancreatic tumor models.

a) i) Wild type C57BL/6 mice or POET mice expressing ovalbumin in the prostate were implanted with 2×10^5 cells of a cell line derived from spontaneous pancreatic cancer in Pdx-Cre^{+/-} Kras(G12D)^{+/-} Trp53(R172H)^{+/-} mice, engineered to express GFP (PK51975B-GFP) or a GFP-SIINFEKL fusion protein (PK51975B-GFPOva). ii) 7 days later peripheral blood was analyzed for the presence of CD8 T cells specific for Ova using SIINFEKL-tetramers. iii) Growth of PK51975B-GFP or PK51975B-GFPOva in Wild type C57BL/6 mice or POET mice. b) i) Wild type C57BL/6 mice or PDX-Cre⁺SIY⁺ mice expressing SIY in the pancreas were implanted with 2×10^5 cells from a cell line derived from spontaneous pancreatic cancer in Pdx-Cre^{+/-} Kras(G12D)^{+/-} Trp53(R172H)^{+/-}SIY⁺ mice that endogenously expresses the SIY antigen (PK5L1940). ii) 7 days later peripheral blood was analyzed for the presence of CD8 T cells specific for SIY using SIY-pentamers. iii) Growth of PK5L1940 tumors in wild type C57BL/6 mice or PDX-Cre⁺SIY⁺ mice. Each symbol represents one animal. Key: NS = not significant, *= $p < 0.05$; **= $p < 0.01$; ***= $p < 0.001$.

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Supplementary Figure 2



Anti-CD40L blocks the antigens-specific response to tumor implantation but does not eliminate antigen-specific cells.

a) i) C57BL/6 mice were implanted with Panc02-SIY tumors on d0 and left untreated or treated with 250 μ g anti-CD40L on d0, d1 and d2. Peripheral blood was analyzed for the presence of CD8 T cells specific for SIY using SIY-pentamers ii) 7 days or iii) 21 days following tumor challenge. iv) After analysis of blood on d21, tumor-bearing mice or a group of naïve mice were vaccinated by IV injection of *Listeria monocytogenes* expressing SIY (Lm.SIY) and analyzed for CD8 T cells specific for SIY in the spleen 7 days later. Each symbol represents one animal. Key: NS = not significant, * = p < 0.05; ** = p < 0.01; *** = p < 0.001.