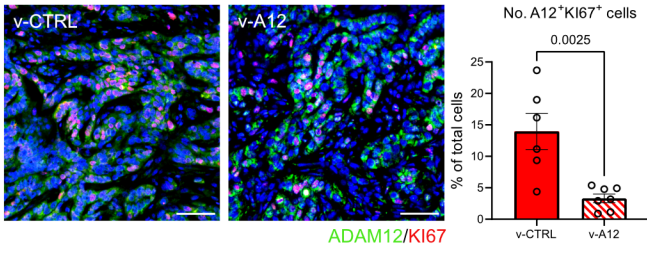


Table of Contents

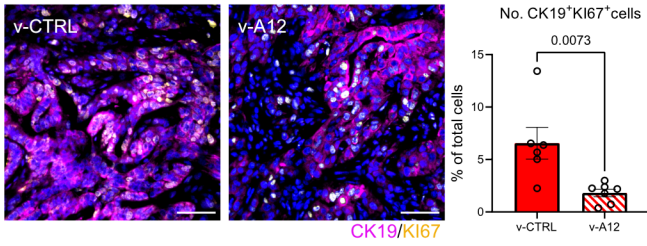
Appendix Figure S1.....	2
Appendix Figure S2.....	4

Appendix Figure S1

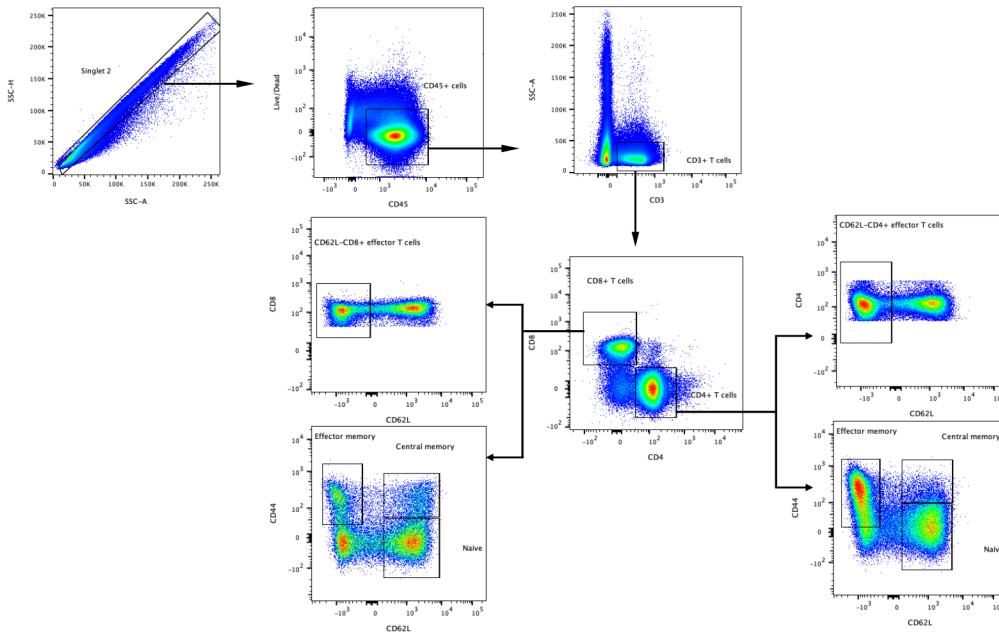
A



B



C



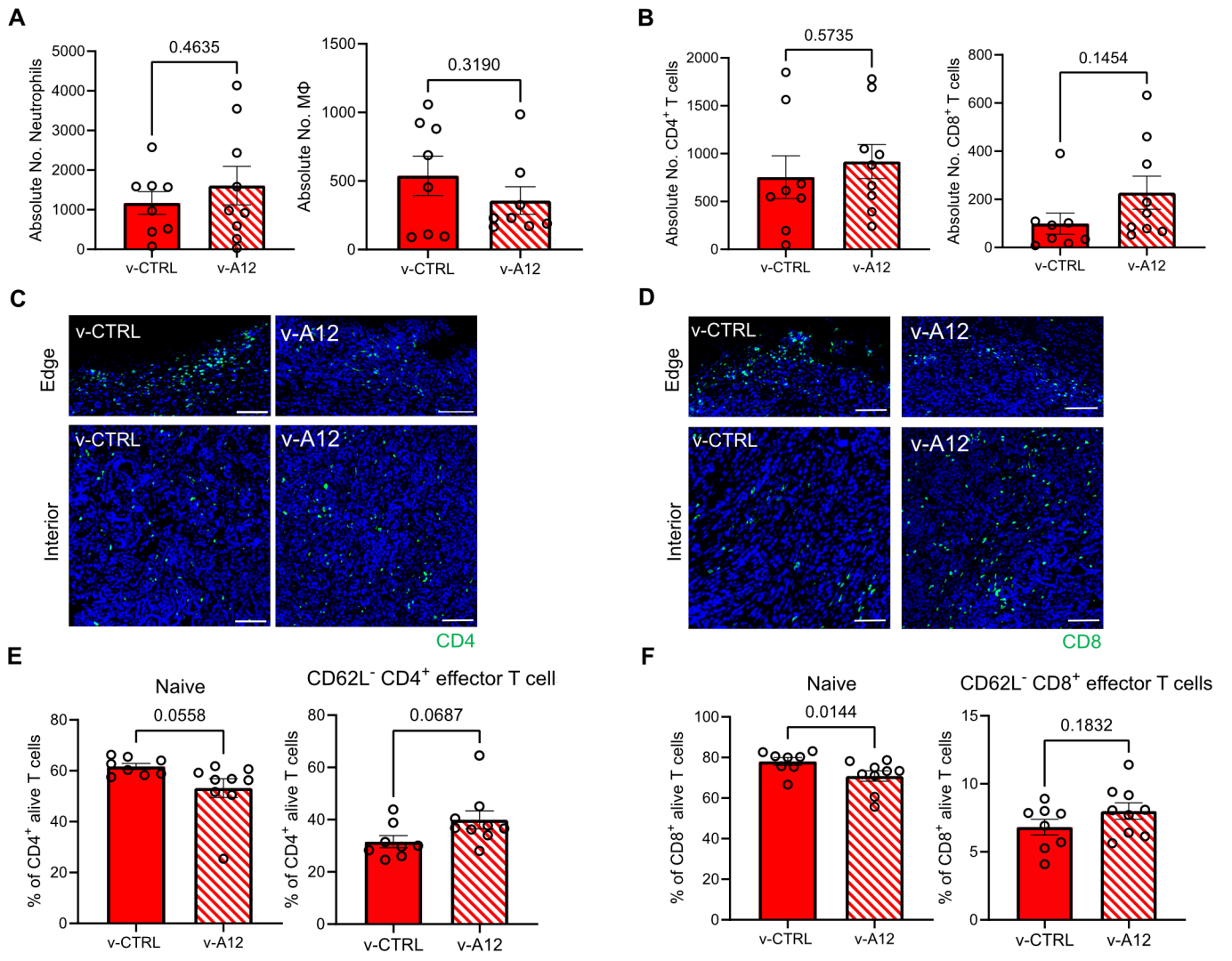
Appendix Figure S1. Prophylactic ADAM12 vaccination limited cell proliferation on subcutaneous KP2 PDAC tumor.

(A) Representative images (left) and quantitative analysis of proliferating (KI67⁺) ADAM12⁺ cells on PDAC tumors from v-CTRL and v-A12. (n= 6 mice in v-CTRL, n=7 mice in v-A12. Data are presented as mean \pm SEM. Statistical test: unpaired two-tailed Student's t-test. Scale bar 50 μ m)

(B) Representative images (left) and quantitative analysis of proliferating (KI67⁺) tumor (CK19⁺) cells on PDAC tumors from v-CTRL and v-A12 mice. (n=6 mice in v-CTRL, n=7 mice in v-A12. Data are presented as mean \pm SEM. Statistical test: unpaired two-tailed Student's t-test. Scale bar 50 μ m)

(C) Flow cytometry gating strategy of naïve, CD62L⁻ effector CD4⁺ T cells and CD8⁺ T cells. CD4⁺ T cells were identified as CD45⁺CD3⁺CD4⁺ cells, and CD8⁺ T cells as CD45⁺CD3⁺CD8⁺ cells. For naïve CD4⁺ and CD8⁺ T cells, they were defined as CD62L⁺CD44⁻ CD4⁺ T cells or CD62L⁺CD44⁻CD8⁺ T cells. For effector CD4⁺ and CD8⁺ T cells, they were defined as CD62L⁻CD4⁺ T cells and CD62L⁻CD8⁺ T cells, respectively.

Appendix Figure S2



Appendix Figure S2. FACS analysis of spleens and PDAC tumors from mice with therapeutic ADAM12 vaccination.

(A) Quantitative analysis of the absolute number of neutrophils (left) and macrophages (right) within PDAC tumor tissues from control-vaccinated mice (v-CTRL) and ADAM12-vaccinated mice (v-A12). (For neutrophils, n=8 mice in v-CTRL, n=9 mice in v-A12; for macrophages, n=8 mice in v-CTRL, n=8 mice in v-A12. Data are presented as mean \pm SEM. Statistical test: unpaired two-tailed Student's t-test.)

(B) Quantitative analysis of the absolute number of CD4⁺ T cells (left) and CD8⁺ T cells (right) within PDAC tumor tissues from control-vaccinated mice (v-CTRL) and ADAM12-vaccinated mice (v-A12). (n=8 mice in v-CTRL, n=9 mice in v-A12)

(C) Representative immunofluorescence staining images of CD4⁺ T cells at the edge of the tumor tissue (upper) and CD4⁺ T cells in the tumor tissue (bottom). (Scale bar 100 μ m)

(D) Representative immunofluorescence staining images of CD8⁺ T cells at the edge of the tumor tissue (upper) and CD8⁺ T cells in the tumor tissue (bottom). (Scale bar 100 μ m)

(E) Quantitative analysis via flow cytometry of naïve CD4⁺ T cells (left) and effector/memory CD4⁺ T cells (right) within splenic CD4⁺ T cells from PDAC tumor-bearing mice treated with control vaccine (v-CTRL, n=8) and ADAM12 vaccine (v-A12, n=9). (n=8 mice in v-CTRL, n=9 mice in v-A12. Data are presented as mean \pm SEM. Statistical test: unpaired two-tailed Student's t-test.)

(F) Quantitative analysis via flow cytometry of naïve CD8⁺ T cells (left) and effector/memory CD8⁺ T cells (right) within splenic CD8⁺ T cells from PDAC tumor-bearing mice therapeutically treated with control vaccine (v-CTRL) and ADAM12 vaccine (v-A12). (n=8 mice in v-CTRL, n=9 mice in v-A12. Data are presented as mean \pm SEM. Statistical test: unpaired two-tailed Student's t-test.)