

Fig. S8

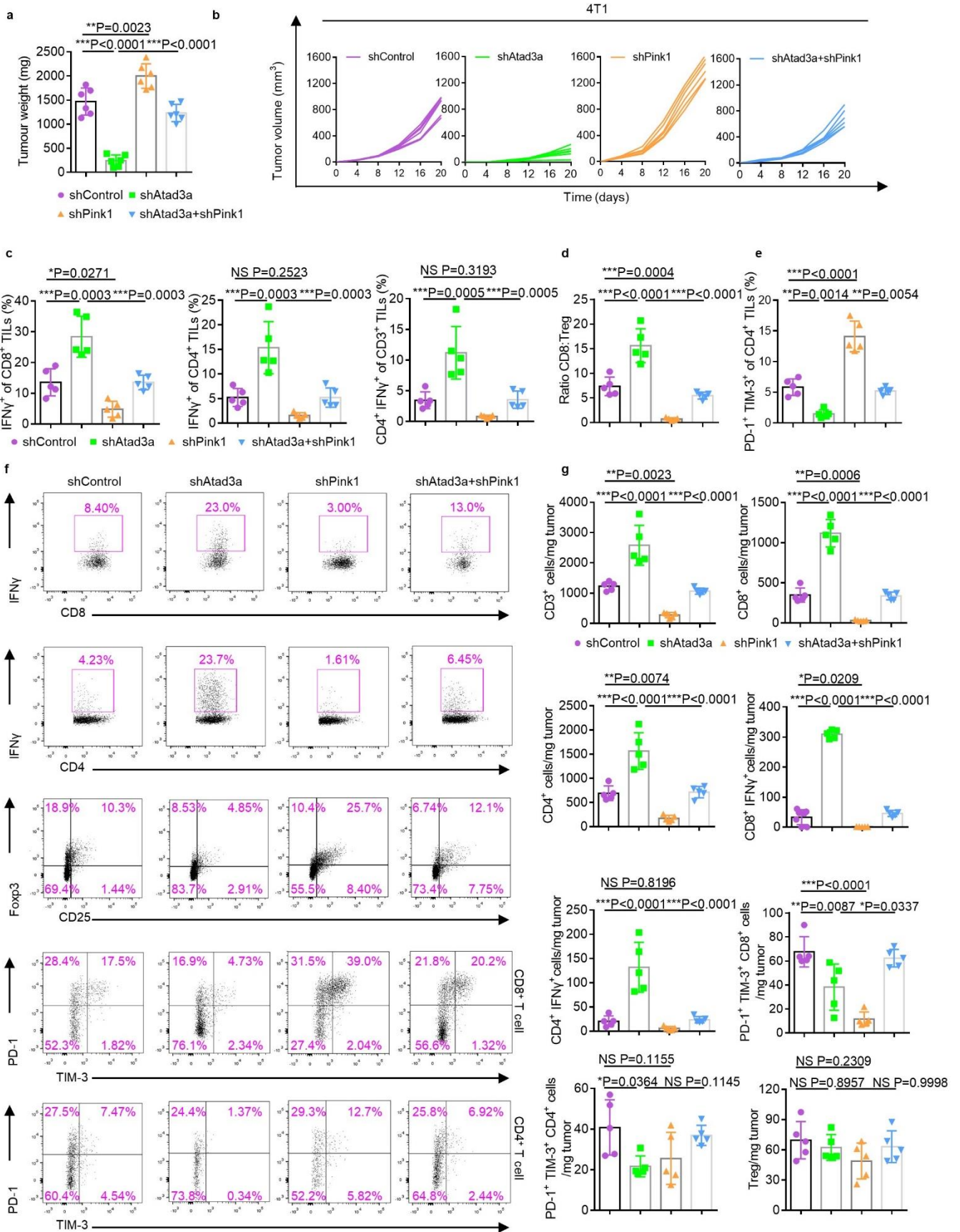


Fig. S8 ATAD3A-PINK1 mitophagy axis participates in regulating T-cell anti-tumor immune response in vivo.

a–d BALB/c mice were inoculated orthotopically with 4T1 cells with control, Atad3a-knockdown, Pink1-knockdown or Atad3a and Pink1 double knockdown. **a** The weight of 4T1 tumors ($n = 6$, one-way ANOVA). **b** The growth curves of 4T1 tumors. **c** Quantification of the percentages of tumor-infiltrating IFN γ ⁺CD8⁺ T cells and IFN γ ⁺CD4⁺ T cells by flow cytometry ($n = 5$, one-way ANOVA). **d** Ratio of CD8⁺ cytotoxic T lymphocytes (CTLs) to CD4⁺CD25⁺Foxp3⁺ T_{reg} cells ($n = 5$, one-way ANOVA). **e** Quantification of the percentage of PD-1⁺TIM-3⁺CD4⁺ T cells by flow cytometry ($n = 5$, one-way ANOVA). **f** Flow cytometry of tumor-infiltrating IFN γ ⁺CD8⁺, IFN γ ⁺CD4⁺, CD4⁺CD25⁺Foxp3⁺, PD-1⁺TIM-3⁺CD8⁺ and PD-1⁺TIM-3⁺CD4⁺ T cells in tumors formed by control, Atad3a-knockdown, Pink1-knockdown or Atad3a and Pink1 double knockdown cells. **g** Quantification of the numbers of tumor-infiltrating CD3⁺, CD8⁺, CD4⁺, IFN γ ⁺CD8⁺, IFN γ ⁺CD4⁺, PD-1⁺TIM-3⁺CD8⁺, PD-1⁺TIM-3⁺CD4⁺ T cells and CD4⁺CD25⁺Foxp3⁺ T_{reg} cells per milligram of tumor tissue by flow cytometry ($n = 5$, one-way ANOVA). Data are representative of two independent experiments and are shown as means \pm SD.