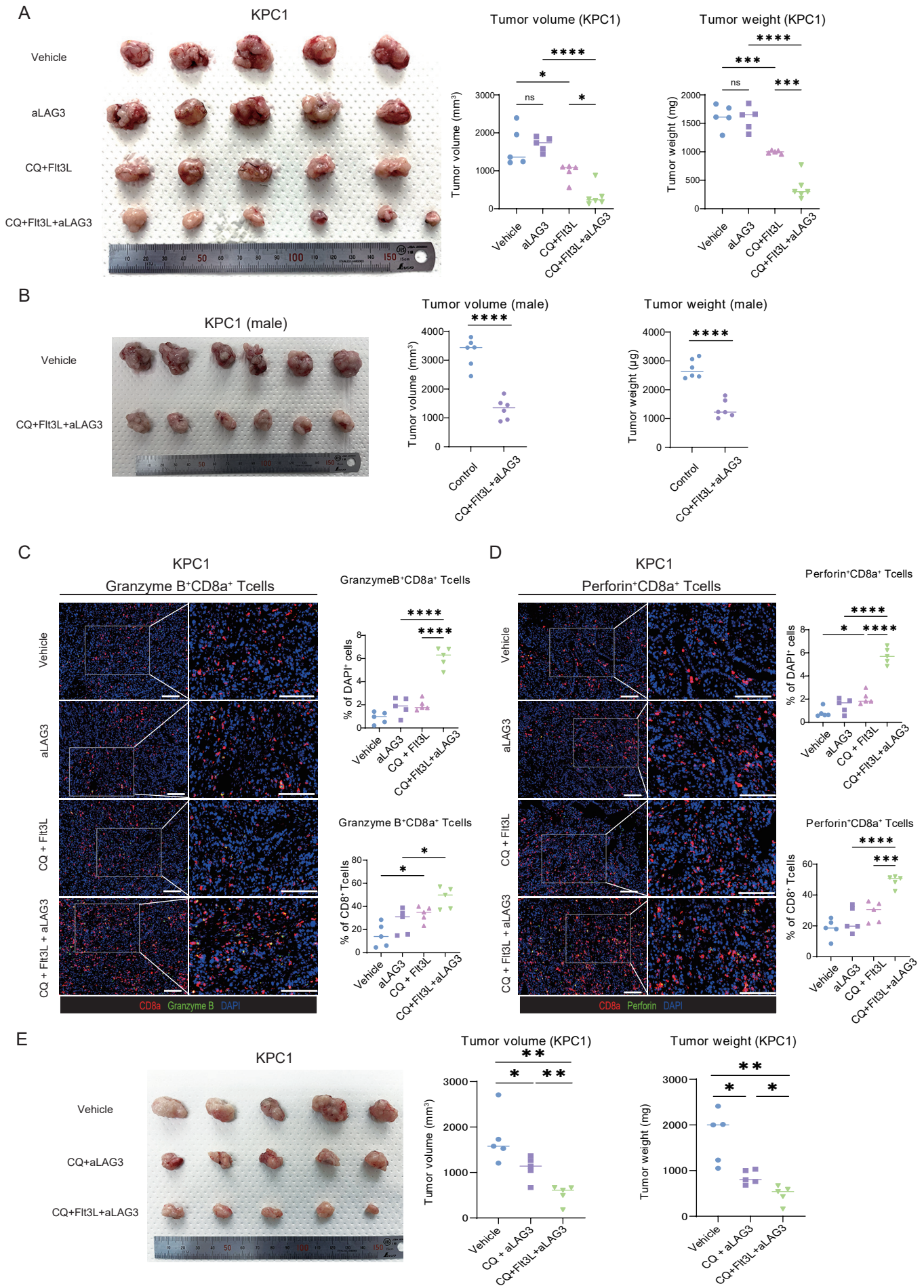
Supplementary Figure S9



Supplementary Fig. S9. Triplet therapy comprising CQ, Flt3L, and aLAG3 markedly suppresses tumor growth

(A) KPC1 cells were orthotopically transplanted into female C57BL/6 mice. Tumor-bearing mice were treated with vehicle, aLAG3 (50 μg), CQ (60 mg/kg) + Flt3L (10 μg), or CQ + Flt3L +aLAG3. After 21 days of treatment, the tumor volumes and weights were measured.
(B) KPC1 cells were orthotopically transplanted into male C57BL/6 mice. Tumor-bearing mice were treated with vehicle or CQ + Flt3L +aLAG3. After 28 days of treatment, the tumor volumes and weights were measured.
(C, D) Representative immunofluorescence images of cytotoxic $CD8^+$ T cells, granzyme B+ $CD8a^+$ T cells (CD8a [red] and granzyme B [green]) (B), and $perforin^+$ $CD8a^+$ T cells (CD8a [red] and
perforin [green]) (C). Quantification of granzyme B^+ $CD8a^+$ cells/$DAPI^+$ cells (%) and granzyme B^+ $CD8a^+$ cells/$CD8a^+$ cells (%) (B); and $perforin^+$ $CD8a^+$ cells/$DAPI^+$ cells (%) and $perforin^+$ $CD8a^+$ cells/$CD8a^+$ cells (%) (C) is shown.
(E) Treatment experiments were performed to compare the triple therapy (with Flt3L) and CQ+aLAG3 (without Flt3L) in orthotopic syngeneic PDAC tumors (KPC1).

Scale bars, 100 μm (B and C). Bars, median; *$p < 0.05$, **$p < 0.01$, ***$p < 0.001$, ****$p < 0.0001$; ns, not significant; analyzed using the one-way ANOVA (A-D).