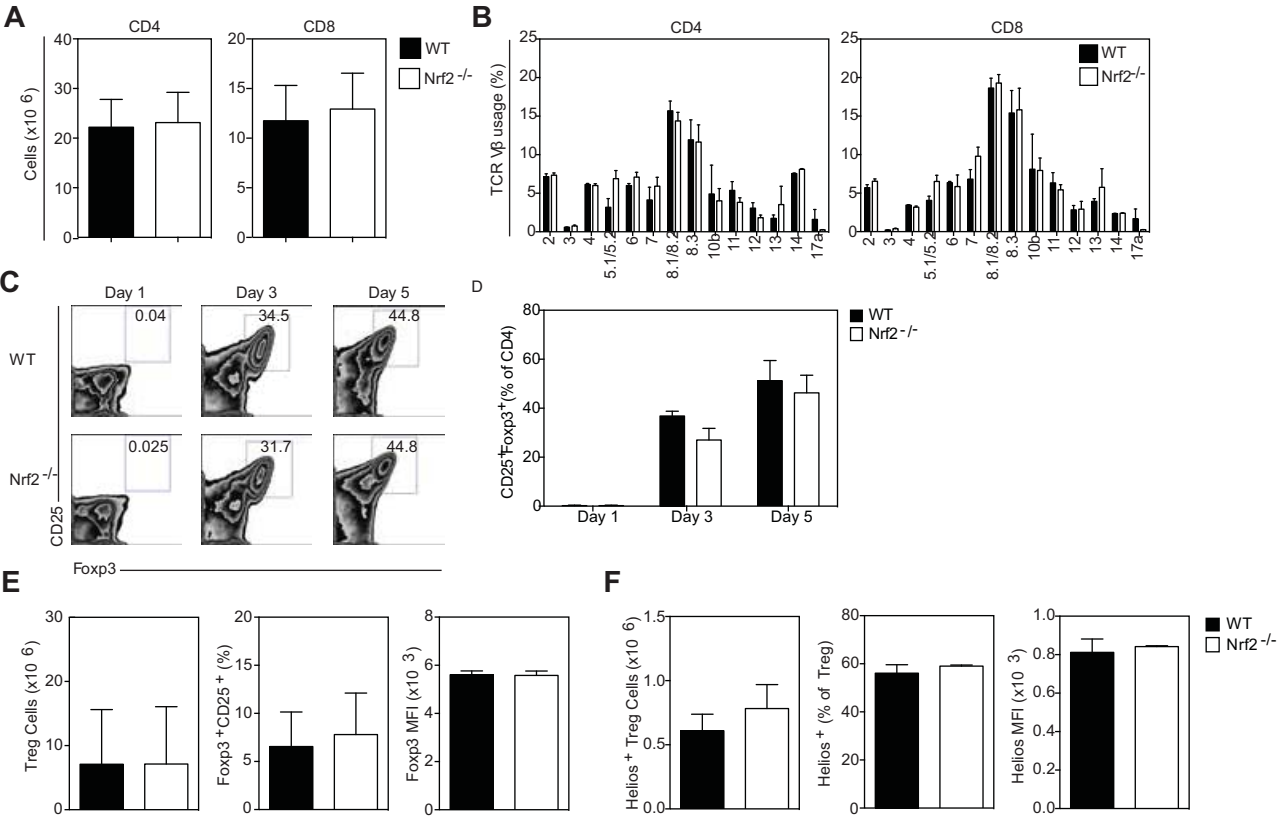
Supplemental Figure 1



Supplemental Figure 1. WT and Nrf2$^{-/-}$ splenic T cells under steady-state were examined from 8-10 week-old female mice. (A) Absolute numbers and (B) flow cytometric analysis of TCR Vβ repertoire of CD4 and CD8^{+} T cells. Data represent mean + SD (n=8/group combined from 2 experiments). (C) Representative flow cytometric analysis and (D) bar graphs showing the percentage of naïve CD4^{+} T cells polarized towards Treg cells in vitro using α-CD3 (5ug/mL), α-CD28 (2ug/mL), IL-2 (40ng/mL), and hTGF-β (10ng/mL). Data represent mean + SD (n=4/group, 1 of 2 experiments). (E) (Left panel) Absolute number of Treg cells (CD4^{+}CD25^{+}Foxp3^{+}), (Middle panel) percentage of Treg cells within CD4^{+} population, and (Right panel) MFI of intracellular Foxp3 expression within Treg cells. Data represent mean + SD (n> 5/group, 2 experiments). (F) (Left panel) Absolute number of Helios^{+}Treg cells, (Middle panel) percentage of Treg cells expression Helios, and (Right panel) MFI of intracellular Helios expression within Treg cells. Data represent mean + SD (n> 5/group, 2 experiments)

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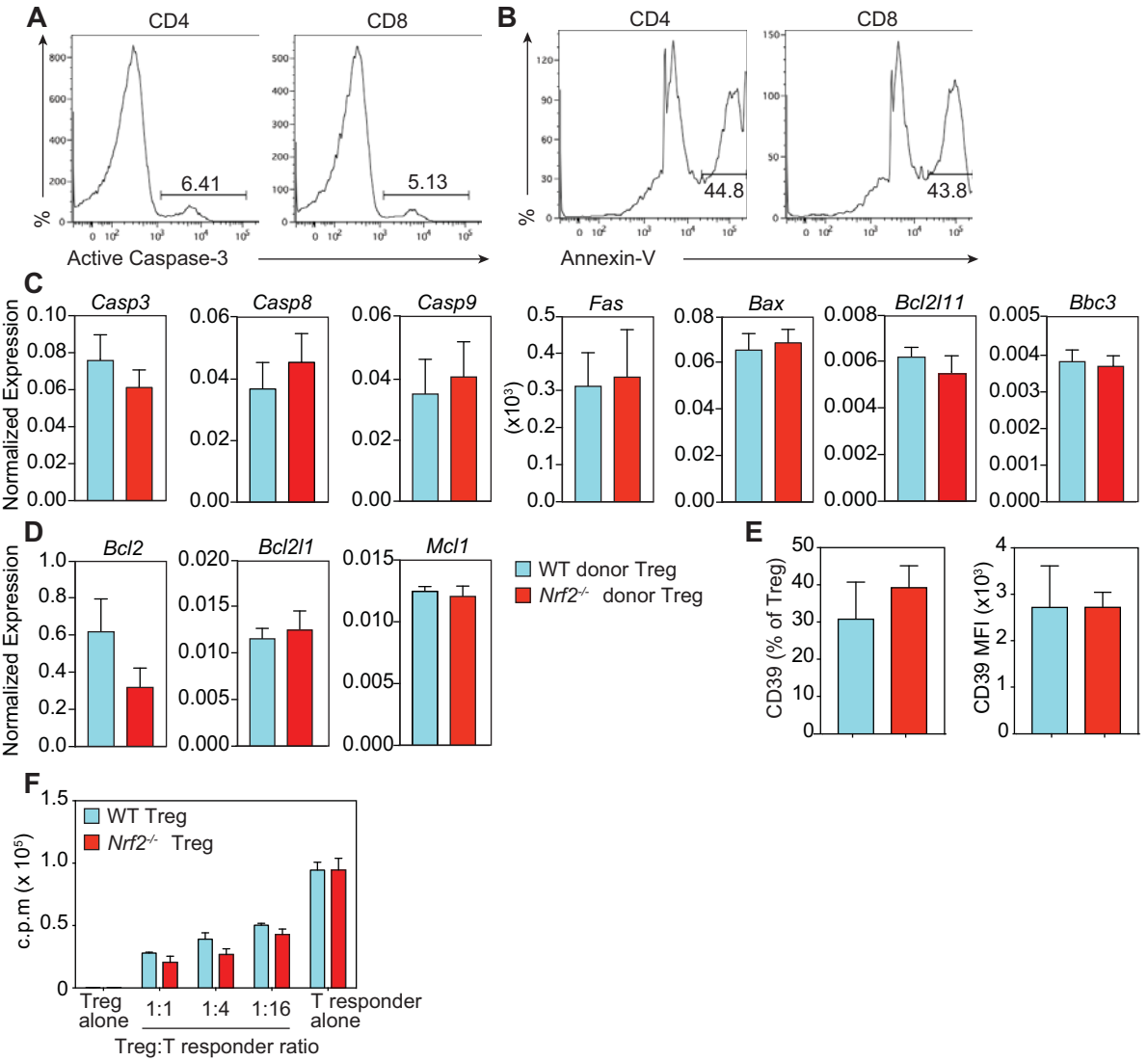
Supplemental Figure 2



Supplemental Figure 2. ***Nrf2*$^{-/-}$ donor Treg cells display intact apoptosis, survival, and suppressive function. (A–B)** Combined flow cytometric histograms showing baseline (**A**) activated caspase-3 and (**B**) Annexin-V expression of magnetically purified Treg cells. n>3 animals per group, 2 experiments. (**C–E**) Lethally irradiated BALB/c recipients received CD45.1^{+} WT B6 TCD-BM ($5x10^{6}$) and CD5^{+} T cells ($0.5x10^{6}$) with CD45.2^{+} WT or *Nrf2*$^{-/-}$ CD4^{+}CD25^{+} Treg cells ($0.5x10^{6}$). Donor Treg cells (CD45.1^{-}CD45.2^{+}H-Kb^{+}CD4^{+}CD25^{+}) were purified using flow cytometry on day 14 of transplant. Expression of (**C**) proapoptotic and (**D**) antiapoptotic mouse gene transcripts were analyzed by quantitative PCR and normalized to *Actb* expression. (**E**) Expression of CD39 receptor was analyzed by flow cytometry. Data represent mean + SD of 8-9 animals per group from 2 independent experiments. (**F**) Thymidine incorporation of T-responder cells co-cultured with Treg cells isolated from WT or *Nrf2*$^{-/-}$ mice in the presence of anti-CD3/28. Data represent mean + SD of thymidine counts conducted in triplicate from 1 of 2 independent reproducible experiments.