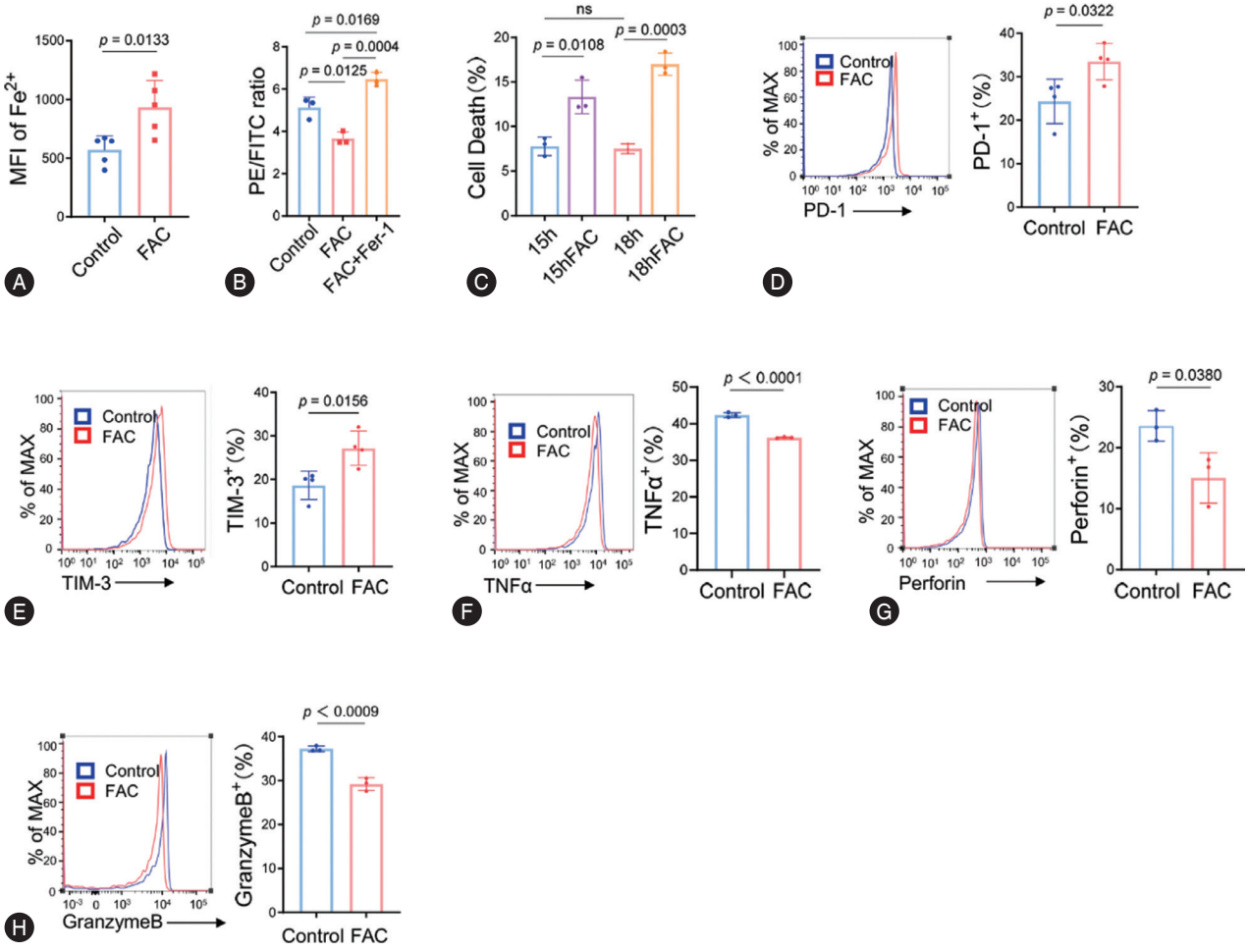

Supplementary Figure 7. Enhanced accumulation of iron and lipid ROS in human and murine CD8$^+$ T cells impairs the effector function. (A) Intracellular Fe^{2+} levels in human CD8$^+$ T cells treated with FAC (5 mM) for 15 hours assessed by flow cytometry using FerroOrange probe. (B) CD8$^+$ T cells treated with FAC (5 mM, 15 hours) and ferrostatin-1 (2 μM, 15 hours) (HY-100579 MCE) were analyzed for lipid peroxidation using a lipid peroxidation assay kit. Decreased PE/FITC ratio means the increase of lipid peroxidation. (C) Cell death of human CD8$^+$ T cells measured after FAC treatment for 15 hours and 18 hours. Percentage of PD-1$^+$ (D), TIM-3$^+$ (E), TNFα$^+$ (F), Perforin$^+$ (G), Granzyme B$^+$ (H) cells of the human CD8$^+$ T cells measured after FAC treatment.

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