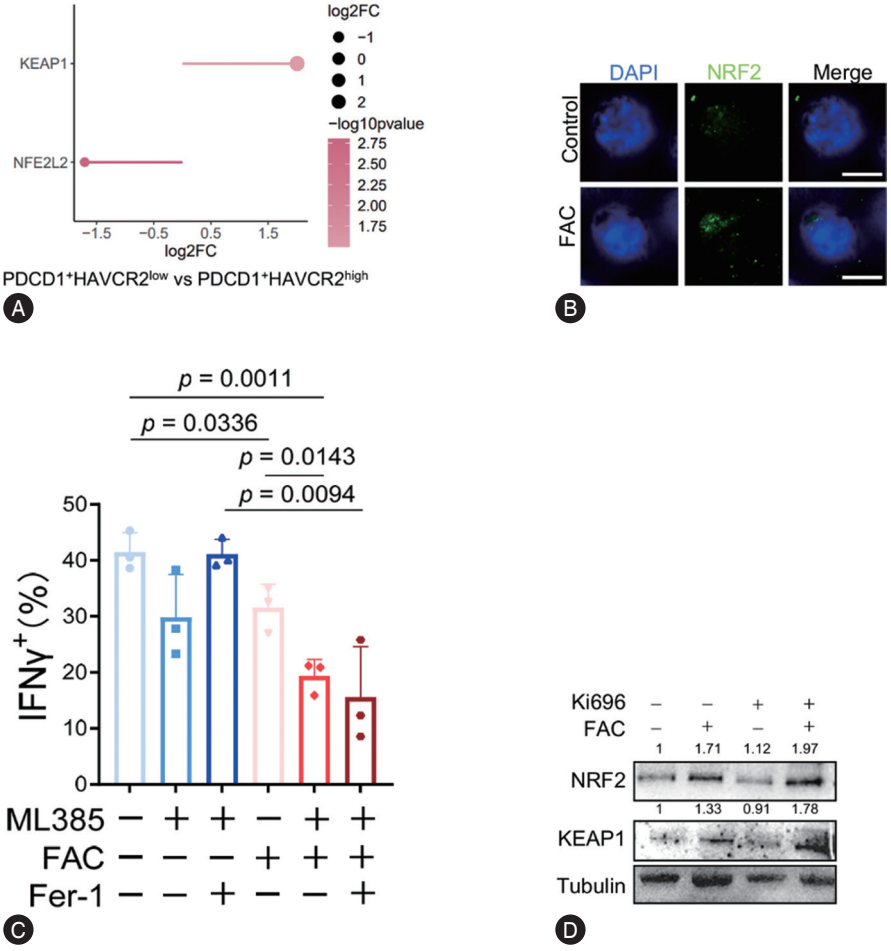

Supplementary Figure 15. The role of KEAP1 and NRF2 in CD8$^+$ T cells under high iron conditions. (A) The levels of NRF2 and KEAP1 in PDCD1$^+$ HAVCR2^{low} and PDCD1$^+$ HAVCR2^{high} tumor-infiltrating CD8$^+$ T cells in scRNA-seq of human early HCC. (B) WT CD8$^+$ T cells were treated with FAC for 12 hours, and the translocation of NRF2 was detected by immunofluorescence. Scale bar: 5 μm. (C) Percentages of IFNγ-positive WT CD8$^+$ T cells incubated with ML385 (10 μM, 15 hours) (HY-100523 MCE), FAC (5 mM, 12 hours) and ferrostatin-1 (2 μM, 15 hours) as indicated. n=3 samples per condition. (D) NRF2 and KEAP1 expression in WT CD8$^+$ T cells treated with Ki696 (1 μM, 24 hours), FAC (5 mM, 12 hours), or the combination of Ki696 and FAC detected by western blotting.

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