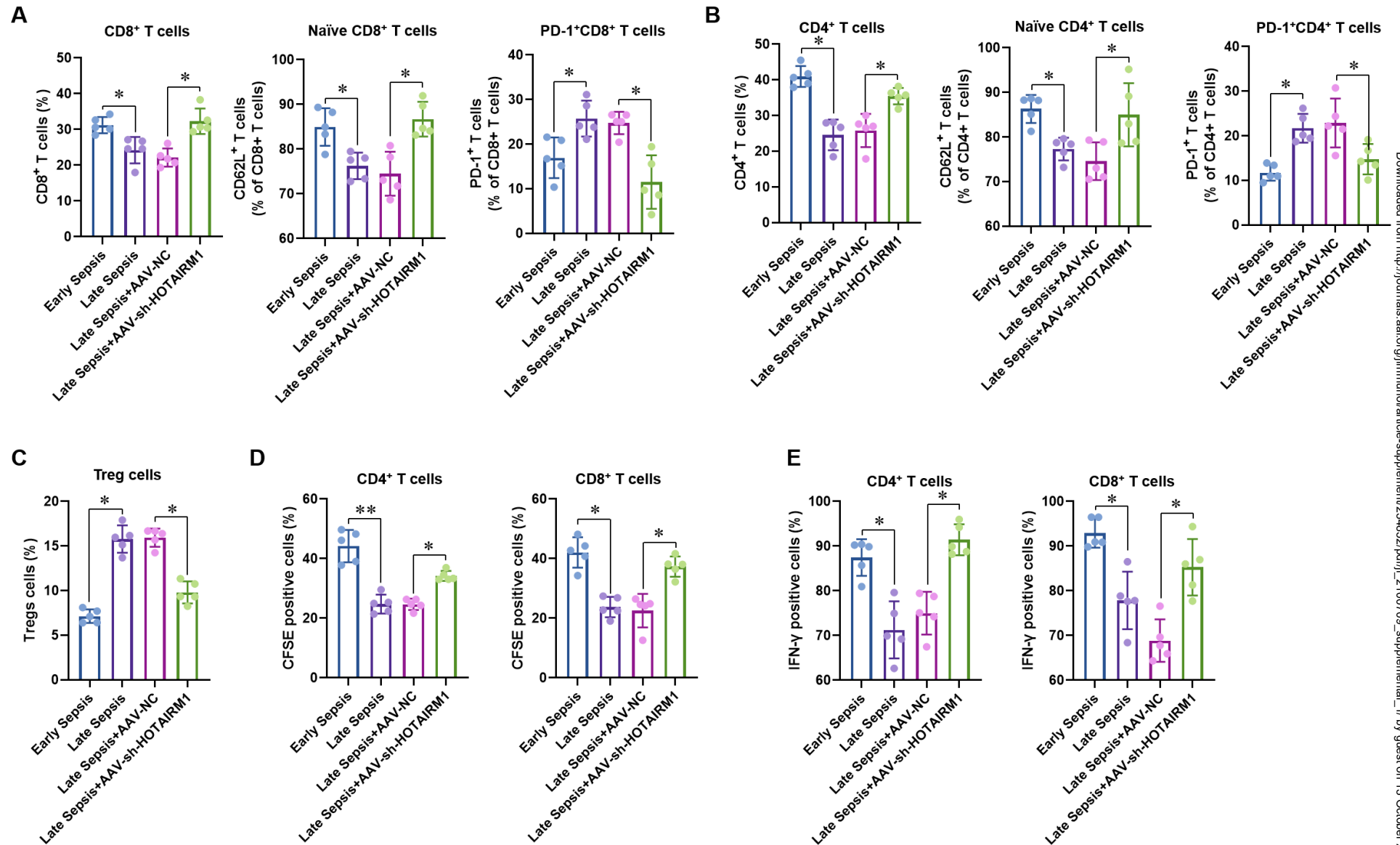
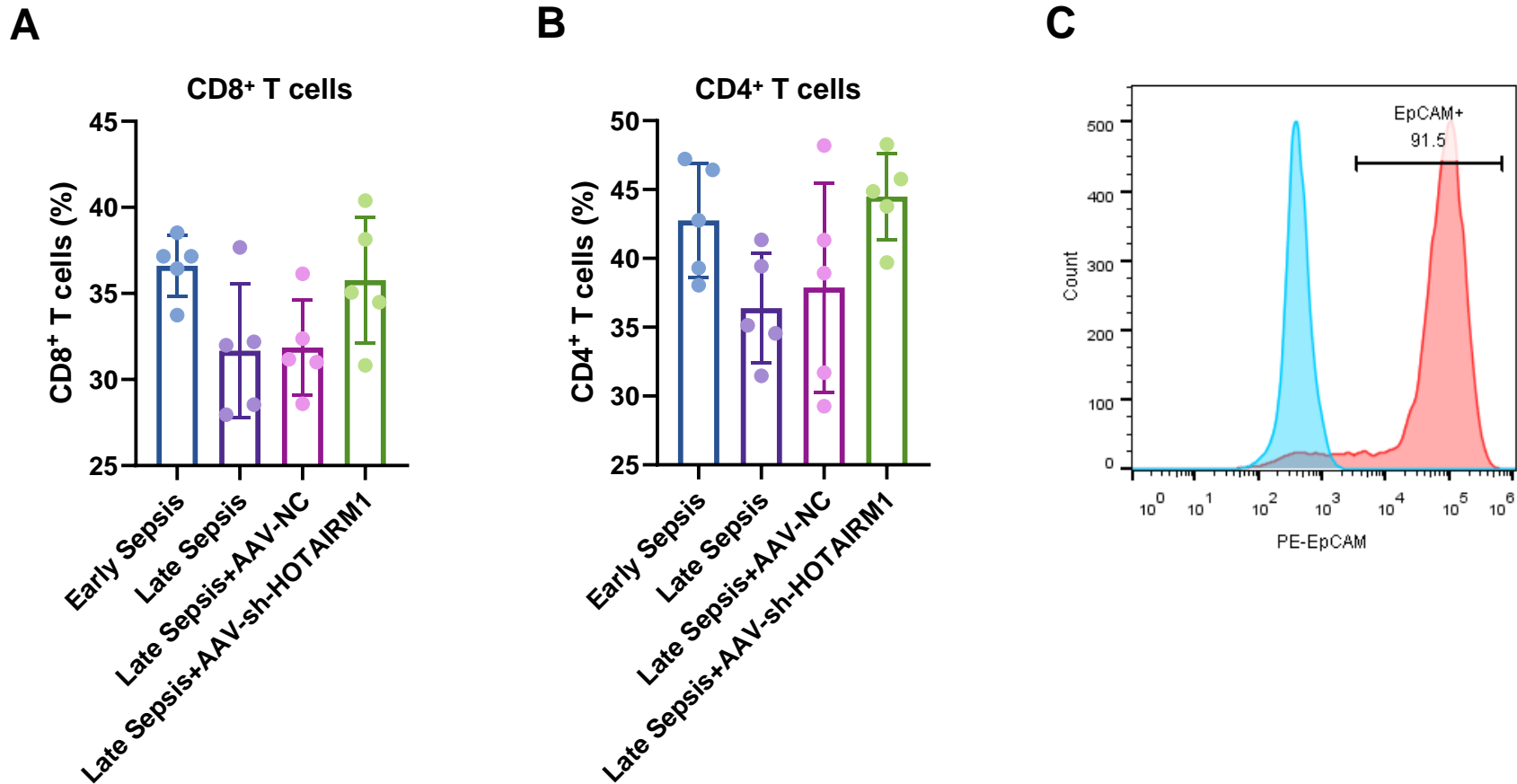


Supplementary Figure 1



Supplementary Figure 1. Depletion of HOTAIRM1 reversed T cell exhaustion in the spleens of late sepsis mice. Splenocytes were isolated from early and late sepsis mice and cell subsets were analyzed by flow cytometry. (A) Cell percentage of total CD8⁺ T cells, naïve CD8⁺ T cells (CD62L⁺), and PD-1⁺CD8⁺ T cells. (B) Cells percentage of total CD4⁺ T cells, naïve CD4⁺ T cells (CD62L⁺), and PD-1⁺CD4⁺ T cells. (C) The percentage of Tregs (CD25⁺CD127⁺CD4⁺ T cells). (D) Proliferation of splenic CD4⁺T and CD8⁺T cells were detected by CFSE assay. (E) Inducible IFN- γ production in splenic CD4⁺T and CD8⁺T cells post stimulation with PMA and ionomycin were detected by flow cytometry. N=5, experiments were repeated three times independently. * P <0.05, ** P <0.01.

Supplementary Figure 2



Supplementary Figure 2. CD4⁺ and CD8⁺ T cell percentages in the lymph nodes of late sepsis mice were mildly changed upon HOTAIRM1 depletion. Leukocytes were isolated from the lymph nodes of early and late sepsis mice and the percentage of total CD8⁺ T (A) and CD4⁺ T cells (B) were analyzed by flow cytometry. (C) Primary alveolar epithelial cells isolated from mice were stained with EpCAM-PE and then analyzed by flow cytometry to determine the purity of the cells.