

Supplementary Figures

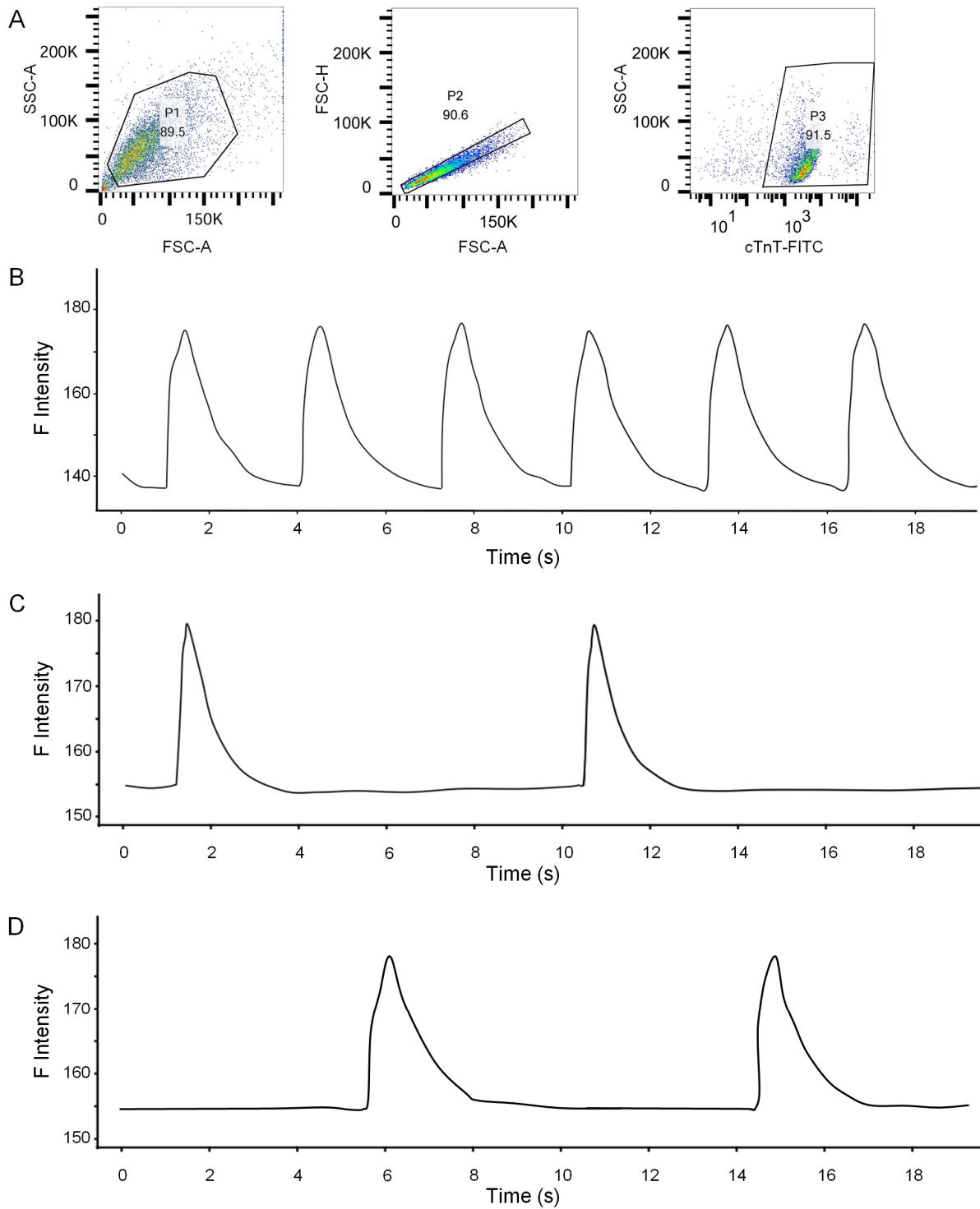


Figure S1. Evaluation of the purity and beating property of human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs). (A) Representative plots of flow cytometry showing the cTnT expression in iPSC-CMs. The purity of hiPSC-CMs is about 91.5% after selection by the method of flow cytometry. Representative calcium transient recordings of normal hiPSC-CMs (B) and hiPSC-CMs co- cultured with the activated CD4⁺ T cells (C) and CD8⁺ T cells (D). After co-cultured with the CD4⁺ and CD8⁺ T cells, the beat rates of hiPSC-CMs decreased.

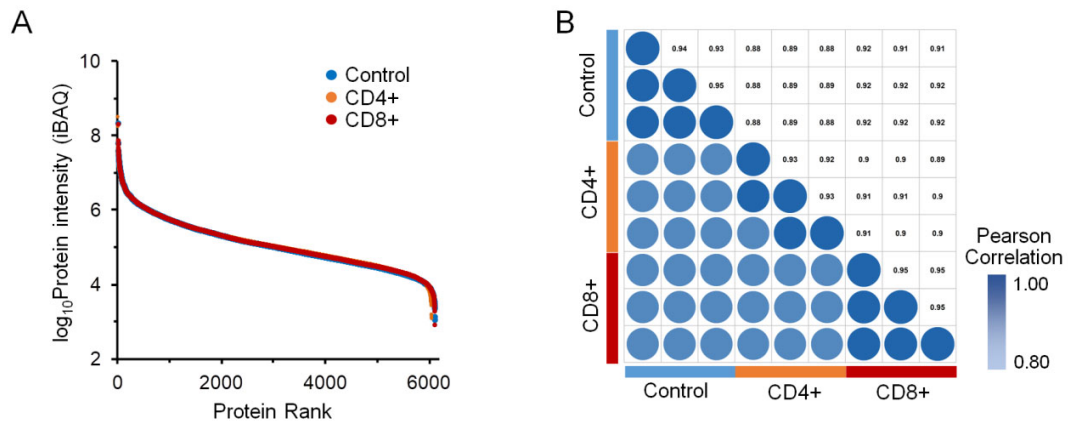


Figure S2. Proteome profile of normal hiPSC-CMs and hiPSC-CMs co-cultured with activated T cells. (A) The protein intensity distributions of hiPSC-CMs with different inflammatory T cells infiltration. (B) Correlation analysis of proteomic profiles of hiPSC-CMs in the control, CD4+T cell, and CD8+T cell treated groups. The pairwise Pearson's correlation coefficients of hypoxia and control samples were calculated by the pattern of relative protein abundance (range: 0.80–1.00).