Whole blood from HCs and SLE patients were collected and CD3+ T cells were sorted using anti-Human CD3 MicroBeads magnetic beads (Miltenyi, Germany). RNA was extracted using TRIzol reagent (Cat. #G3013 Servicebio, Wuhan, China), chloroform substitute (Cat. #G3014 Servicebio, Wuhan, China), etc. Swescript RT Enzyme Mix (Cat. # G331-1, Servicebio, Wuhan, China), Random Hexamer Primer (Cat. #G331-4, Servicebio, Wuhan, China) and 5xReaction Buffer (Cat. #G331-2, Servicebio, Wuhan, China) was used for cDNA synthesis. 2x Universal Blue SYBR Green qPCR Master Mix (Cat. #G3326-1, Servicebio, Wuhan, China) was used for qPCR. Relative gene expression was calculated using the 2-ΔΔCt method, and the results were normalized using *GAPDH*.