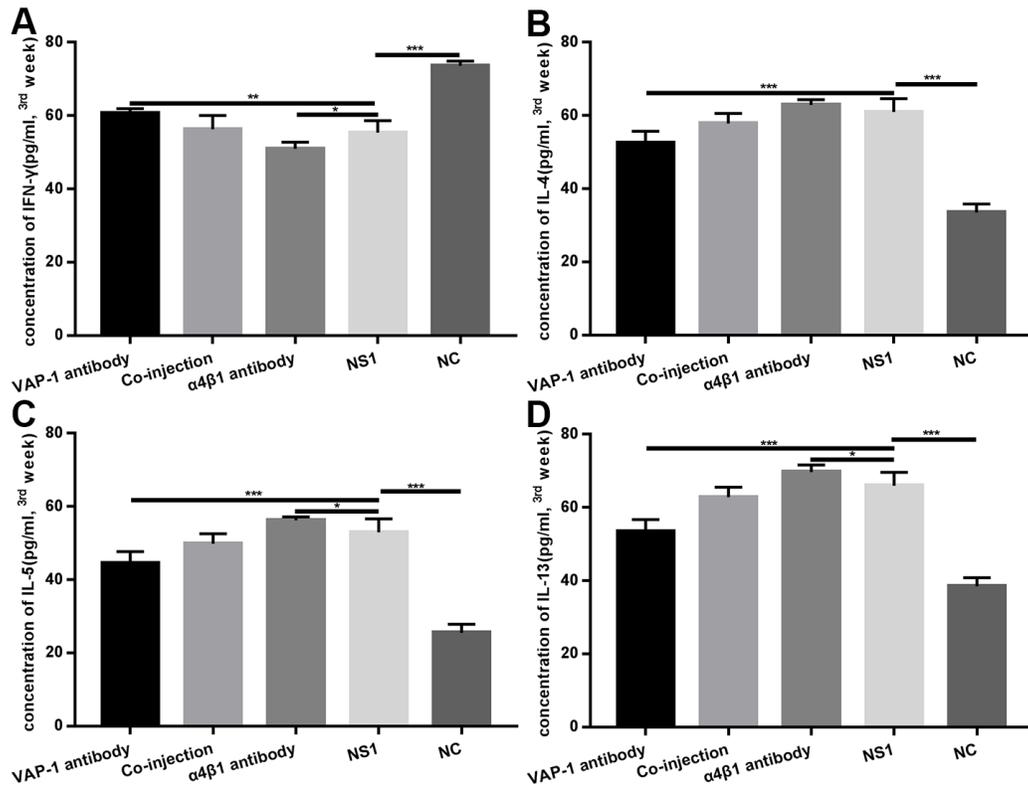
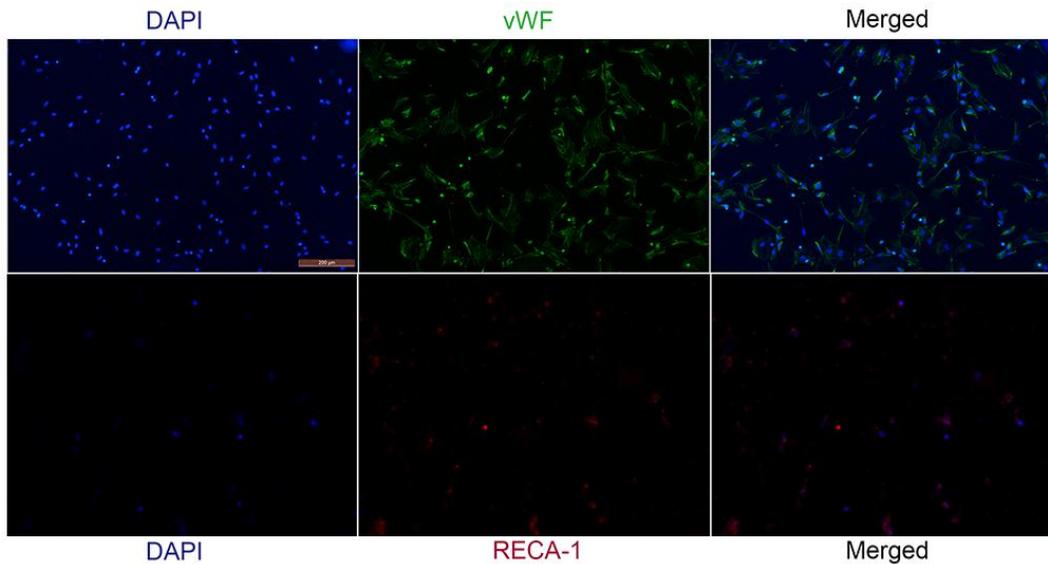


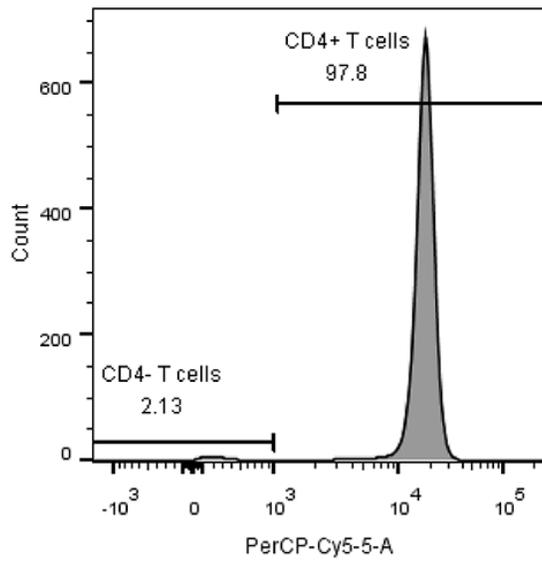
SUPPLEMENTARY FIGURES



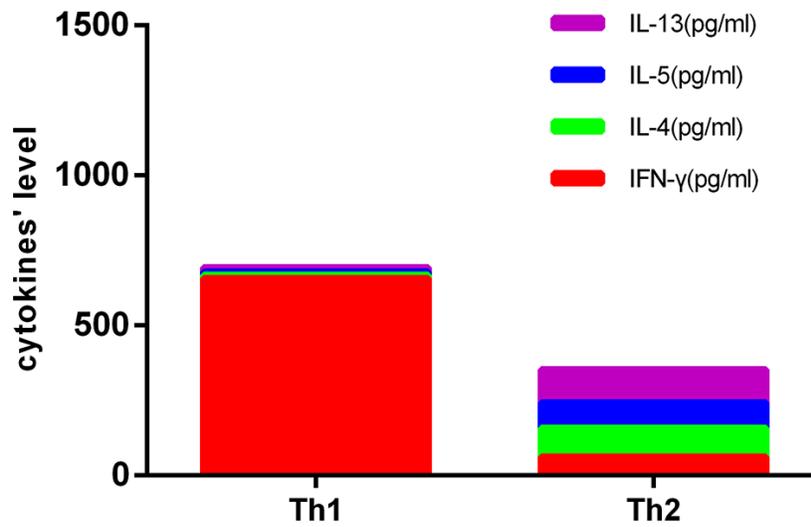
Supplementary Figure 1. Comparison of cytokines in each experimental group to the NS1 group at the 3rd week after injection. Analysis of cytokine IFN- γ (A), IL-4 (B), IL-5 (C) and IL-13 (D) in each group. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.



Supplementary Figure 2. Purity identification of isolated LSECs. Immunofluorescent staining for von Willebrand factor (vWF) and endothelial cell antigen-1 (RECA-1) in LSECs (original magnification 100 \times). vWF was labeled with Alexa Fluor 488 (green) and RECA-1 was labeled with Alexa Fluor 555 (red) and cell nucleus was labeled DAPI (blue).



Supplementary Figure 3. Purity of isolated CD4⁺ T cells by flow cytometry was 97.8%.



Supplementary Figure 4. After differentiation, Th1 and Th2 began to produce a large number of their own signature cytokines, despite little cross secretion.