**Supplementary Figure 1**

Medium control, Guinea pig 3.4

Guinea Pig 3.4, Stimulated with 5 µg/ml SARS-CoV2

**Supplementary Figure 1**: Gating procedure used to quantify the level of stimulated lymphocytes in vaccinated guinea pigs. First, lymphocytes were gated based on SSC-A and FSC-A channels. Next, doublets were excluded from the analysis using the FSC-H and FSC-A channels. Finally, the number of proliferated lymphocytes were calculated based on reduced FITC signal gate. Overview of these results are shown in Figure 3.