



**Figure S7:** Test of purity of cell populations isolated from the duodenum. (A) Staining of CD4 and CD8 $\alpha$  illustrates the purity of cells from lamina propria and IELs after isolation from duodenum (n=3). (B) Lymphocytes of the lamina propria showed expression of the T-cell surface marker CD4, whereas IELs strongly expressed CD8 $\alpha$ , but lack CD4. (C) Flow cytometry of CD4 $^+$  T-cells showed a severity dependent reduction of these cells in the lamina propria. Statistically significant differences were tested by unpaired student's t-test for independent samples and significance levels of  $p < 0.05$  are marked by an asterisk.