**Supplementary Figure 1. Combination of IL-6, TNFα, and IL-1β is essential for differentiation of Th22 cells.**

Expression of CCR4, CCR6, and CCR10, and (**B**) cytokine production by helper T cells stimulated with plate-bound anti-CD3 and -CD28 antibodies in the absence (Neutral) or presence of IL-1β, IL-6, and TNFα, respectively, or the combination of IL-1β, IL-6 and TNFα. Data represent five independent experiments (*left*). Frequency of CCR4+CCR6+CCR10+ CD4 T cells and IL-22+ IL-17− IFN-γ− CD4+ T cells. Data represent the mean ± standard deviation of five independent experiments. \**p* < 0.01 and \*\**p* <0.05 according to the Bonferroni method (*right*).

**Supplementary Figure 2. Combination of IL-6, TNFα, and IL-1β is essential for differentiation of Th22 cells.**

The expression of TBX21 and aryl hydrocarbon receptor (Ahr) mRNA relative to GAPDH

among helper T cells stimulated with plate-bound anti-CD3 and -CD28 antibodies in the absence (Neutral) or presence of various combinations of IL-12, IL-1β, IL-6, and TNFα

by real-time PCR. All data represent the mean ± standard deviation of six independent experiments. \**p* < 0.05 according to the Bonferroni method.