SUPPLEMENTAL FIGURE LEGENDS

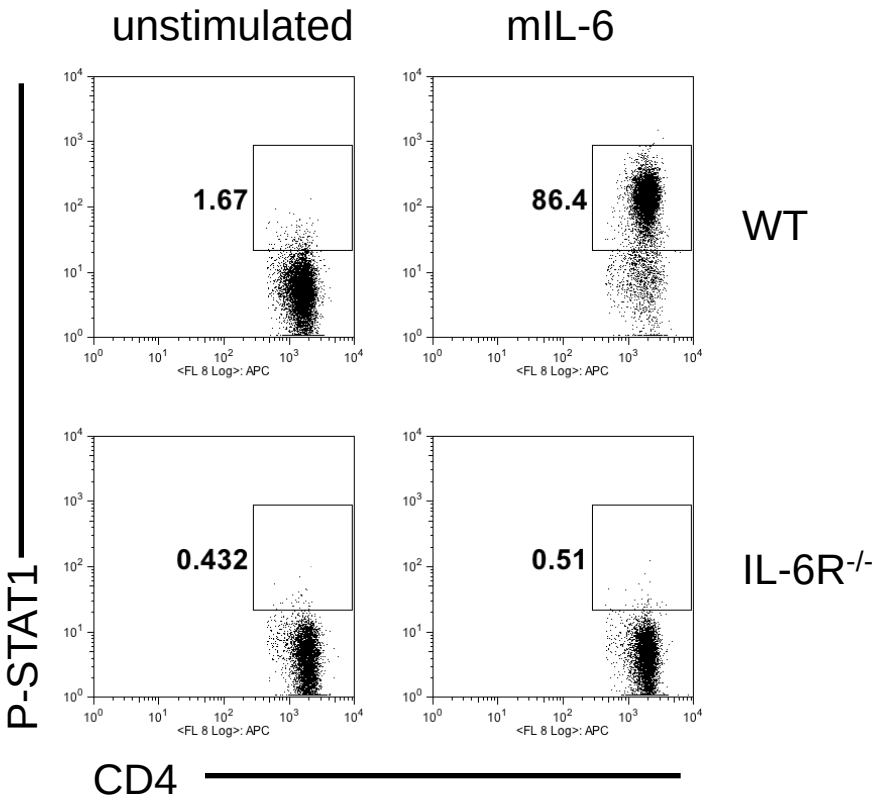
SUPPLEMENTAL FIG. 1. Control pSTAT1 and pSTAT3 stimulations of primary T cells from wild-type and IL-6R-deficient mice. $CD4^+$ T cells were stimulated with mouse IL-6 (20 ng/ml) for 15 min. For intracellular staining of phosphorylated tyrosine residues of STAT1 and STAT3, cells were fixed in 2% (w/v) paraformaldehyde at 37˚C for 15 min, followed by permeabilization in 90% methanol for 30 min on ice. Cells were stained for CD4 and *A.* phosphorylated STAT1 (clone 4a) or *B.* phosphorylated STAT3 (clone 4/P-STAT3).

SUPPLEMENTAL FIG. 2. pSTAT1 stimulations of primary T cells from wild-type and IL-6R deficient mice. $CD4^+$ T cells were stimulated with a combination of human IL-6 (10 ng/ml) and human sIL-6R (200 ng/ml) for 15 min in the presence of 10^{-1}-10^4 ng/ml sgp130Fc. STAT1 activation was determined by flow cytometry. Normalized data are shown in Figure 6*A*. The upper two sets are from mouse number 1 and the lower two sets are from mouse number 2.

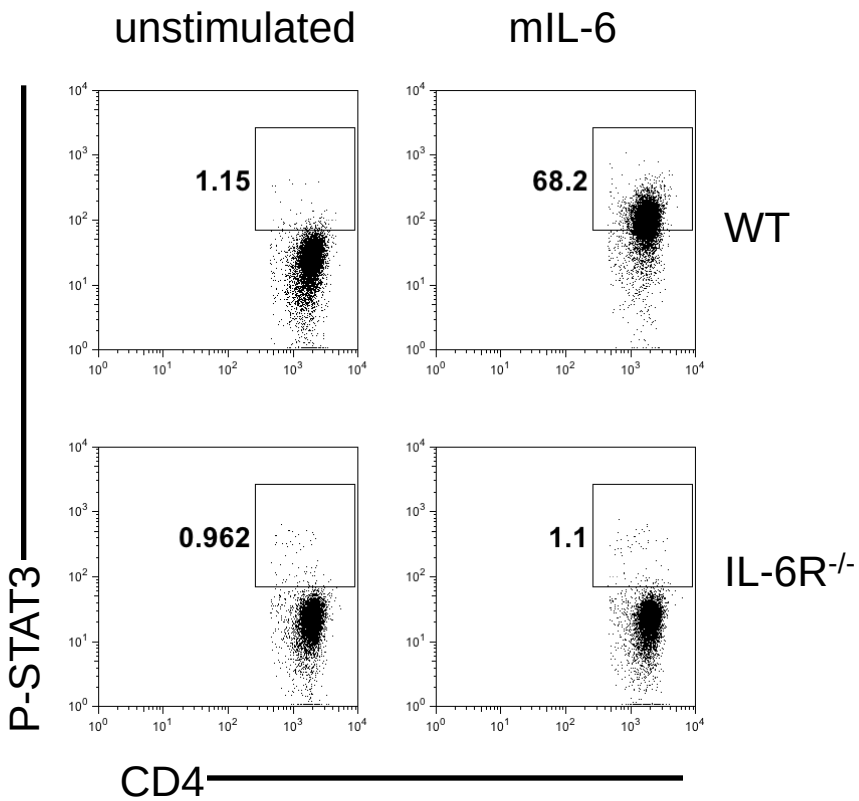
SUPPLEMENTAL FIG. 3**.** pSTAT3 stimulations of primary T cells from wild-type and IL-6R deficient mice. $CD4^+$ T cells were stimulated with a combination of human IL-6 (10 ng/ml) and human sIL-6R (200 ng/ml) for 15 min in the presence of 10^{-1}-10^4 ng/ml sgp130Fc. STAT1 activation was determined by flow cytometry. Normalized data are shown in Figure 6*B*. The upper two sets are from mouse number 1 and the lower two sets are from mouse number 2.

Supplemental Figure 1

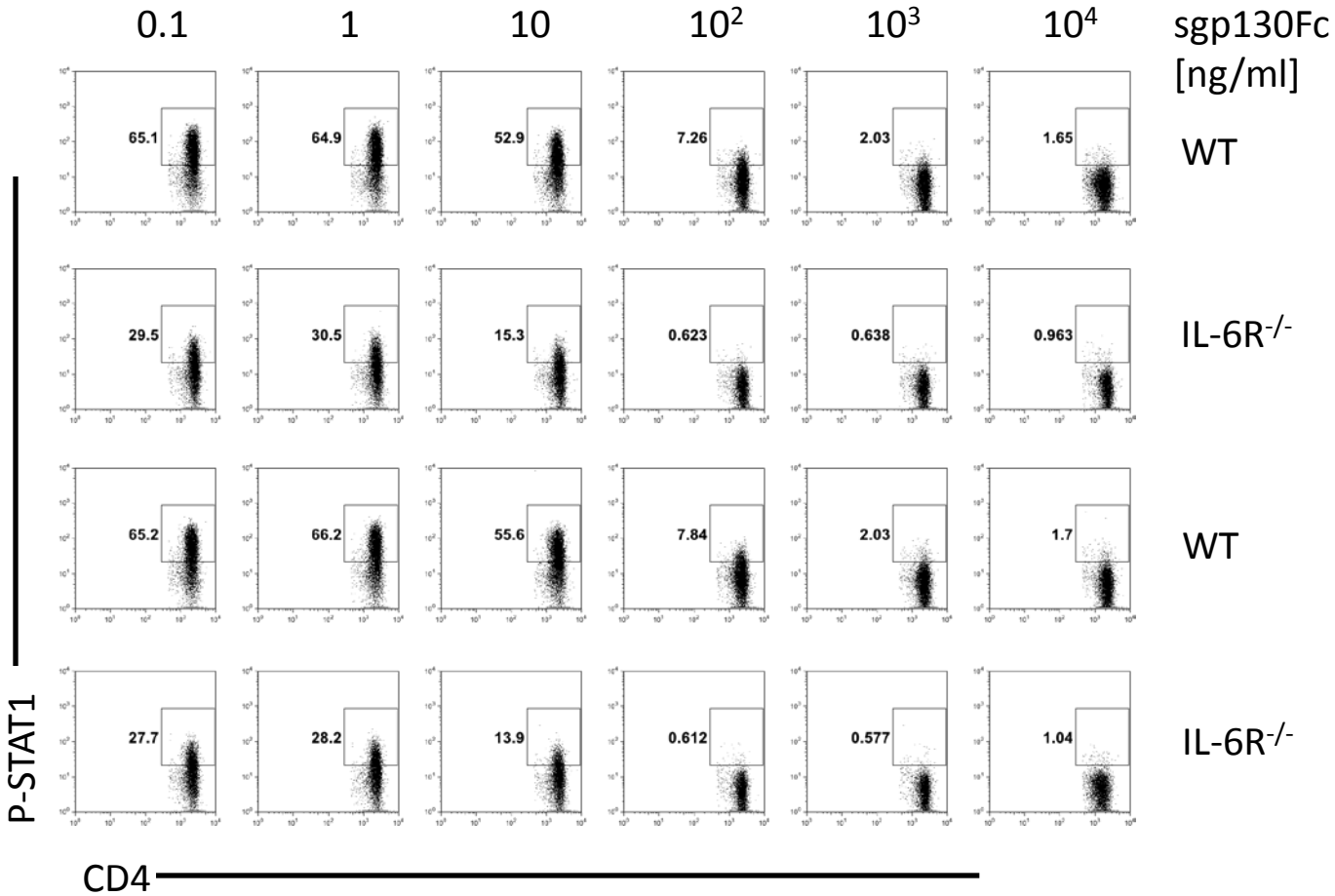
A



B



Supplemental Figure 2



Supplemental Figure 3