





Figure S1: Stattic-V decreases level of Stat3, but not Stat1, phosphorylation in IL-6-stimulated CD4⁺CD25⁻ T cells. CD4⁺CD25⁻ T cells were isolated from healthy donors by flow cytometry sorting. Cells were stimulated with or without rhIL-6 (10 ng/ml) and Stattic V (10 ng/ml) for 30 min. Protein lysates were prepared and immunoblotted using antibodies specific for pStat3, total Stat3, pStat1, and total Stat1. Immunoblot shown is representative of six separate experiments.

Figure S2: Inhibition of Stat3 phosphorylation does not alter proliferation of CD4⁺CD25⁻ T cells or CD4⁺CD25^{high} Treg cells. CD4⁺CD25⁻ T cells and CD4⁺CD25^{high} Treg cells were isolated from the peripheral blood of healthy volunteers by flow cytometry sorting, and cultured with allo-APC and indicated inhibitors of Stat3 phosphorylation. Data shown is representative of three separate experiments ± SEM.

Figure S3: Primary T cells phosphorylate Stat1 and Stat3 in response to very low concentrations of rhIL-6. CD4⁺CD25⁻ T cells were isolated from peripheral blood of healthy donors. Cells were stimulated for 30 min with indicated concentrations of rhIL-6. Blot shown is representative of three separate experiments.

Table SI. Antigen presenting cells express minimal levels of IL-6Rα and gp130.

	Normal APC non-irradiated ^a	Normal APC irradiated 30Gy
IL-6Rα	0.2 ± 0.1	0.7 ± 0.3
gp130	8.7 ± 1.8	12.3 ± 1.4

^a n=3; measured by flow cytometric analysis and expressed as percent of cells positive for indicated surface protein.