Supplemental Data

Interleukin-23 Restrains Regulatory T Cell Activity to Drive T Cell-Dependent Colitis

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Supplemental Experimental Procedures:

Primers and Probe Sequences for Taqman qPCR

	Primers	Probe
HPRT	5'-GACCGGTCCCGTCATGC-3' and 5'-TCATAACCTGGTTCATCATCGC-3'	5'-ACCCGCAGTCCCAGCGTCGTC-3'
CD3γ	5'-TTACAGAATGTGTGAAAACTGCATTG-3' and 5'-CACCAAGAGCAAGGAAGAAGATG-3'	5'-ACATAGGCACCATATCCGGCTTTATCTTCG-3'
RORγt	5'-CCGCTGAGAGGGCTTCAC-3' and 5'-TGCAGGAGTAGGCCACATTACA-3'	5'-AAGGGCTTCTTCCGCCGCAGCCAGCAG-3'
IL-6	5'-GAGGATACCACTCCCAACAGACC-3' and 5'-AAGTGCATCATCGTTGTTCATACA-3'	5'-CAGAATTGCCATTGCACAACTCTTTTCTCA-3'
IL-21	5'-ATCCTGAACTTCTATCAGCTCCAC-3' and 5'-GCATTTAGCTATGTGCTTCTGTTTC-3'	5'-AAGCCATCAAACCCTGGAAACAATAAGACA-3'
IL-27p28	5'-ATCTCGATTGCCAGGAGTGA-3' and 5'-GTGGTAGCGAGGAAGCAGAGT-3'	5'-TTCCCAATGTTTCCCTGACTTTCCA-3'
IL-27EBI3	5'-GCCATGCTTCTCGGTATCC-3' and 5'-GAGCCTGTAAGTGGCAATGA-3'	5'-TCCAGGCTCCCAACTCCACCA-3'

All probes were labeled FAM/TAMRA.

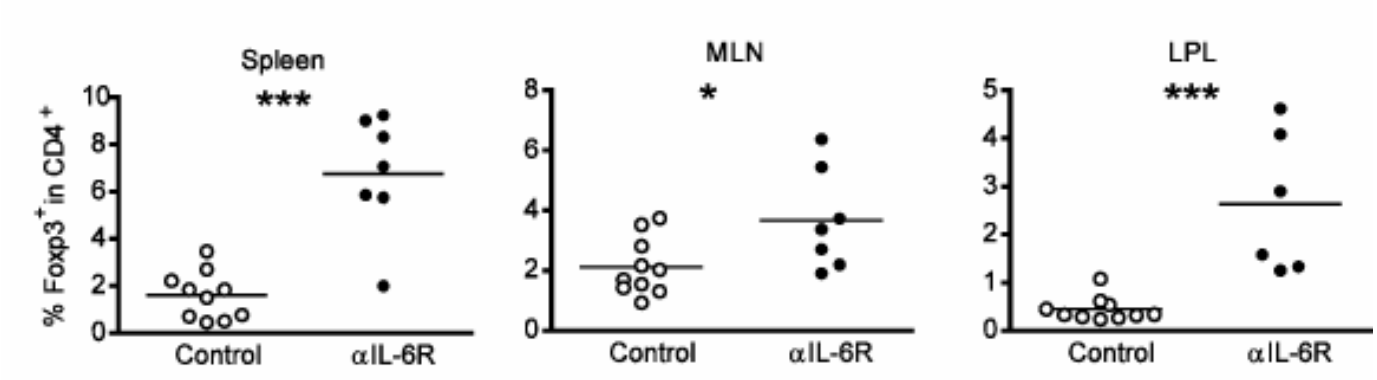

Figure S1. Frequency of Foxp3$^+$ Cells among CD4$^+$ Cells after anti-IL-6R Treatment
Frequency of Foxp3$^+$ among CD4$^+$ cells from spleen, MLN and colonic LPL from *Rag*$^{-/-}$ mice transferred with CD4$^+$ CD25$^-$ CD45RB^{hi} naive T cells. Controls were left untreated, and the anti-IL-6R group received 2 mg of 15A7 purified antibody i.p. on the day of T cell transfer and then once a week until the end of the experiment. This treatment abrogated colitis as described (Yamamoto et al., 2000). Each point represents an individual mouse; data are pooled from two independent experiments, one on BALB/c *Rag2*$^{-/-}$ and another one on C57BL/6 *Rag1*$^{-/-}$ background which yielded similar results.