Supporting Information

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SI Text

Isolation and Culture of Peritoneal Cells (PCs). The peritoneal wash was centrifuged at 275 × *g* for 10 min, and PC viability was determined by trypan blue exclusion. PCs were cultured in 96-well flat-bottom plates (Nunc) at 6×10^5 viable cells/well in complete RPMI medium 1640 supplemented with 5% FBS (Life Technologies), penicillin/gentamicin (100 μg/ml, Sigma-Aldrich), streptomycin (150 IU/ml, Sigma-Aldrich) and were stimulated with or without IL-23 in the presence or absence of indomethacin (10 or 100 μg/ml), PGE_2 (0.1 or 1 μM), or IL-12 (0.1 or 1 ng/ml) for 24 h. Culture supernatants were harvested, and IL-17 and IFNγ concentrations were measured.

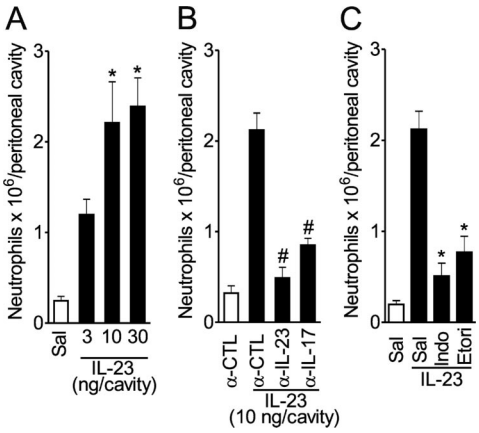

Fig. S1. (*A* and *B*) Neutrophils harvested from the peritoneal cavity 4 h after i.p. injection of IL-23 (3–30 ng/cavity, *closed bars*) or saline (Sal, *open bar*) in mice treated 5 min before with IgG control (α-CTL), anti-IL-23 (5 μg/cavity), or anti-IL-17 (10 μg/cavity) antibodies. (*C*) Neutrophils harvested from peritoneal cavity 4 h after i.p. injection of IL-23 (10 ng/cavity; *closed bars*) or saline (Sal, *open bar*) in mice treated 30 min before with indomethacin (Indo) or etoricoxib (Etori). $^{*}P < 0.05$ vs. saline control group; $^{\#}P < 0.05$ vs. IL-23 group. Data are mean $\pm$ SEM, $n = 5$, representative of 3 experiments.

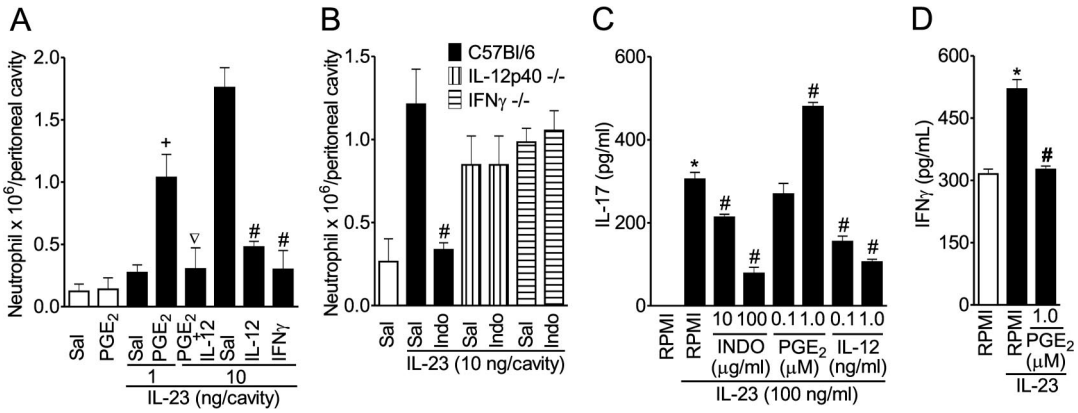

Fig. S2. (*A* and *B*) Neutrophils harvested from peritoneal cavity 4 h after the i.p.injection of IL-23 (1 or 10 ng/cavity) or saline (Sal, *open bar*) in wild-type, IL-12p40$^{-/-}$, or IFN$\gamma^{-/-}$ mice. Some mice were treated with a co-injection of PGE_2 (30 pg/peritoneal cavity), IL-12 (0.1 ng/peritoneal cavity), IFNγ (1 ng/cavity), PGE_2 (30 pg/cavity) plus IL-12 (0.1 ng/cavity), or indomethacin (Indo, 5 mg/kg, s.c. 30 min earlier). (*C* and *D*) Peritoneal cells harvested from naive C57BL/6 mice were cultured in the presence or absence of IL-23, indomethacin (INDO), PGE_2, or IL-12 for 24 h at indicated concentrations. IL-17 and IFNγ concentrations in culture supernatants were determined by ELISA. $^{*}P < 0.05$ vs. medium (RPMI) controls; $^{\#}P < 0.05$ vs. IL-23 (10 ng/cavity) or IL-23 (100 ng/ml); $^{+}P < 0.05$ vs. IL-23 (1 ng/cavity); $^{\triangledown}P < 0.05$ vs. IL-23 (1 ng/cavity) plus PGE_2. Data are mean ± SEM, $n = 5$, representative of at least 2 experiments.

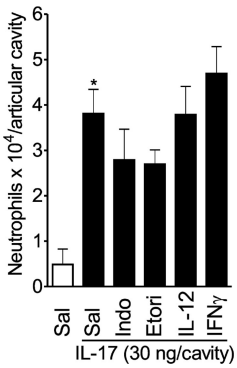

Fig. S3. Neutrophils harvested from articular cavity 6 h after intra-articular injection of IL-17 (30 ng/joint) or saline (Sal, *open bars*) in mice treated with a co-injection of IL-12 (0.1 ng/cavity) or IFNγ (1 ng/cavity). Some mice were treated 30 min before with indomethacin (Indo, 5 mg/kg, s.c.) or etoricoxib (Etori, 45 mg/kg, s.c.). *$P < 0.05$ vs. saline control group. Data are mean $\pm$ SEM, $n = 5$, representative of 3 experiments.