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Supplemental Data

Article

Regulation of the IL-23 and IL-12 Balance by Stat3 Signaling in the Tumor Microenvironment

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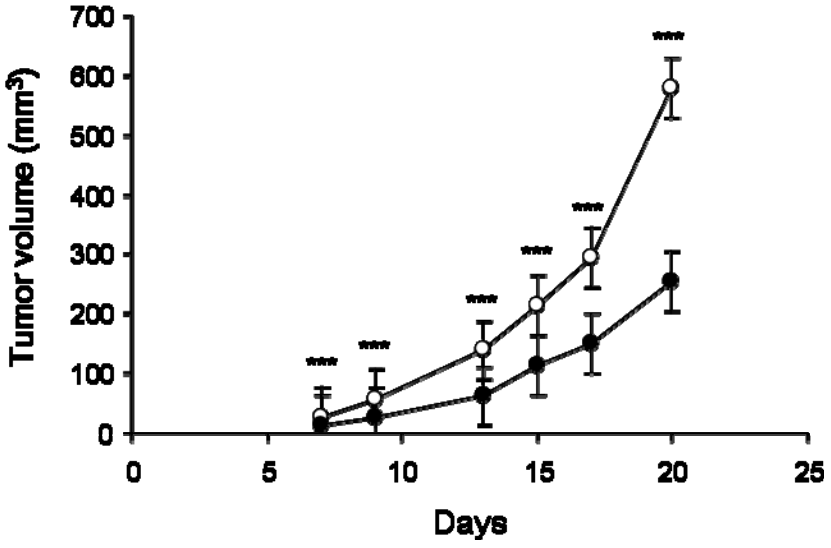

Figure S1. Ablating Stat3 in Hematopoietic Cells Inhibits Growth of MC38 Tumors

Mx1-Cre/Stat3$^{flox/flox}$ (●) and *Stat3*$^{flox/flox}$ (○) mice were treated with poly(I:C) and 4 days later challenged with 5×10^5 MC38 tumor cells injected subcutaneously. Results shown are representative of two independent experiments; mean ± SD. ***$p < 0.001$ (n = 10 for each experiment).

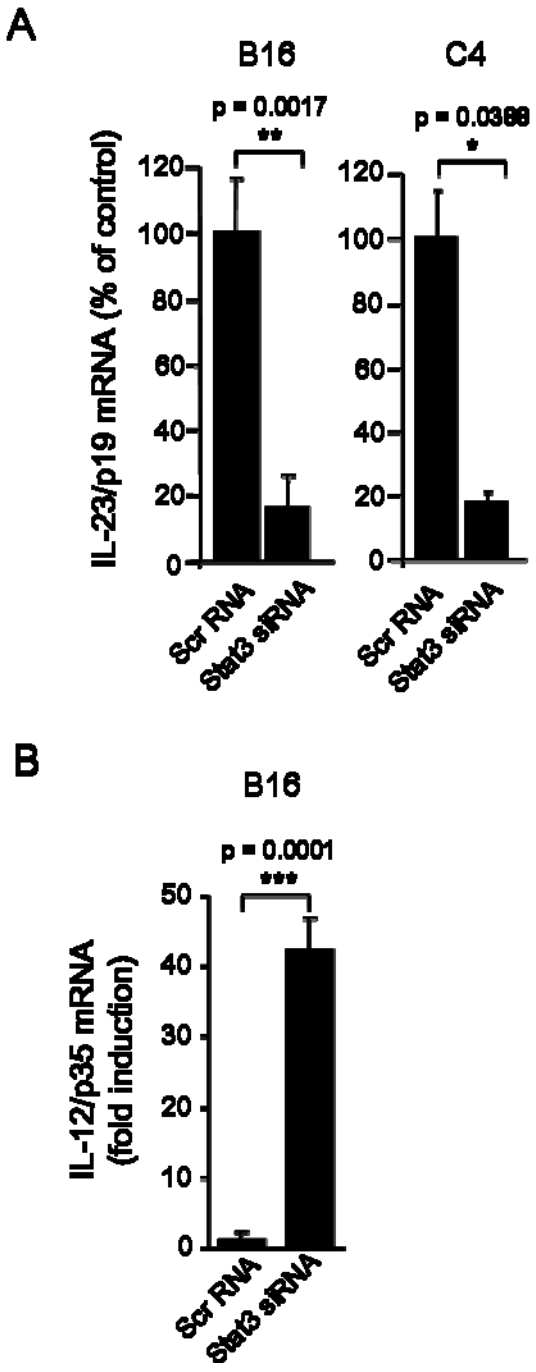

Figure S2. Stat3-Mediated Enhancement of *IL-23/p19* and Inhibition of *IL-12/p35* Gene Expression Are Detectable in Cultured Tumor Cells

(A) *Stat3* silencing downregulates expression of *IL-23/p19* mRNA in B16 and C4 tumor cell lines.

(B) *Stat3* knockdown augments *IL-12/p35* expression in cultured B16 tumor cells. Results from one of three independent experiments analyzed by real-time PCR are shown, normalized to 18S rRNA; mean ± SD (n = 3).