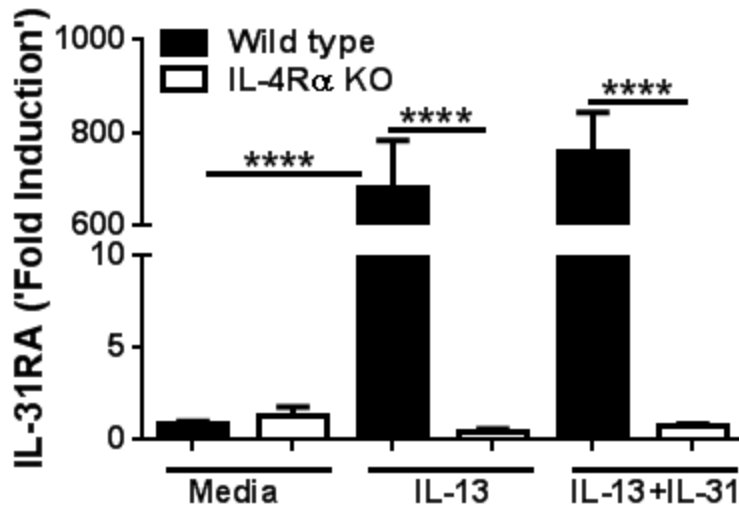
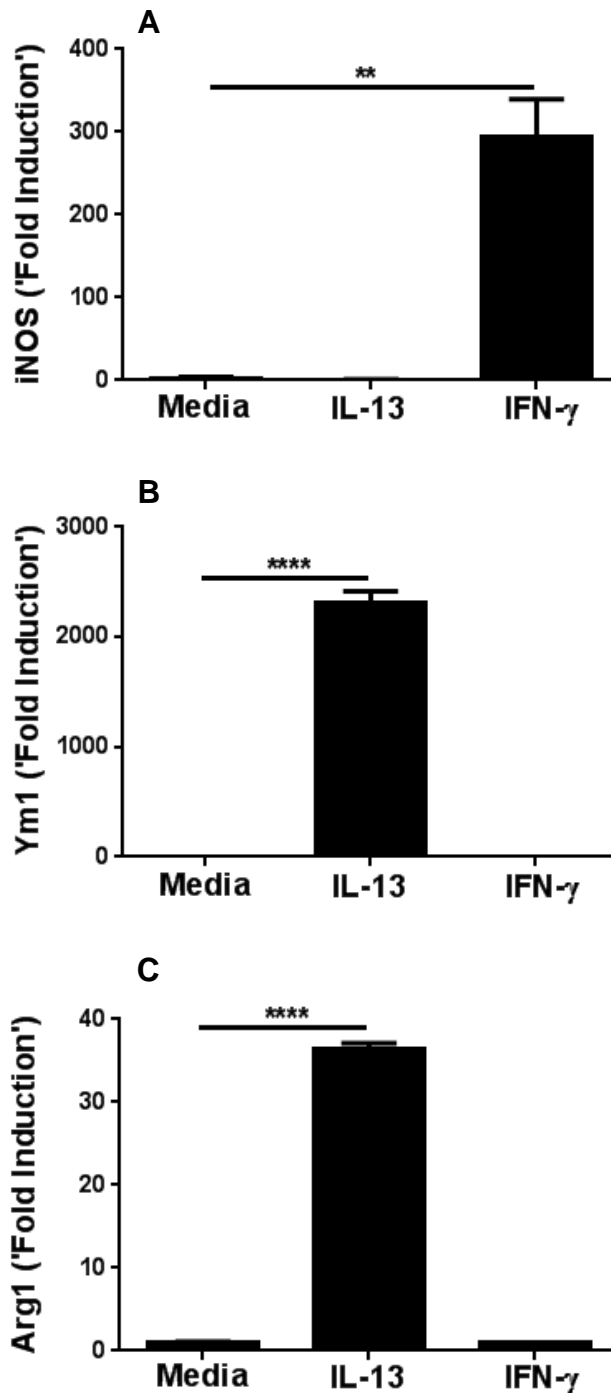


Supplementary Figure 1



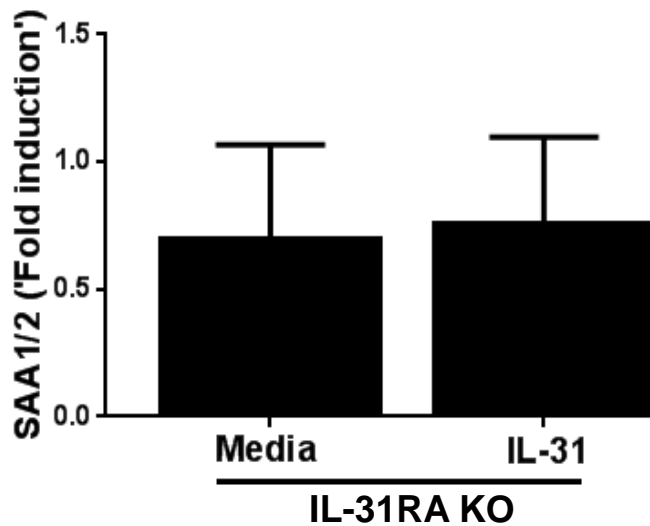
Supplementary Figure 1. IL-31 has no effect on IL-13-induced IL-31RA expression. Peritoneal macrophages from WT and IL-4R α mice were cultured with IL-13 (20ng/ml) alone or combination of IL-13 and IL-31 (200ng/ml) for 24h and expression of IL-31RA was measured using RT-PCR. Data are representative of three independent experiments and expressed as mean \pm SEM. ****, $P < 0.0001$

Supplementary Figure 2



Supplementary Figure 2. Generation and Characterization of M1 and M2 macrophages. Peritoneal macrophages from WT mice were stimulated with IL-13 and IFN- γ individually at 10ng/ml concentrations for 48 h. IL-13 and IFN- γ alone had increased the expression of Arg1 and/or Ym1 and iNOS, respectively. **, $P < 0.01$; ****, $P < 0.0001$

Supplementary Figure 3



Supplementary Figure 3. The role of Th2 cytokines on IL-31-driven expression of SAA in IL-31RA KO mice. Peritoneal macrophages from IL-31RA KO mice were cultured with IL-4 (20ng/ml) and IL-13 (10ng/ml) for 48h. Cells were induced with IL-31 (200ng/ml) for 12h and serum amyloid A (SAA) expression was measured. Data are representative of four independent experiments and expressed as mean \pm SEM.