

Figure S1. Transcriptional profiles of selected cytokines and chemokines in ear dermal cells during the course of infection. C57BL/6 mice were infected in the ear dermis with 1000 *LmSd* metacyclic promastigotes and total mRNA was isolated from the ear tissue at the indicated times during infection, reverse transcribed and analyzed by real-time PCR. Target genes were normalized to endogenous control, and the values shown are the fold increase relative to expression in naïve ears. Data are represented as means \pm SD of 8 samples (4 mice, 8 ears) at each time point. The results are representative of 2 independent experiments.

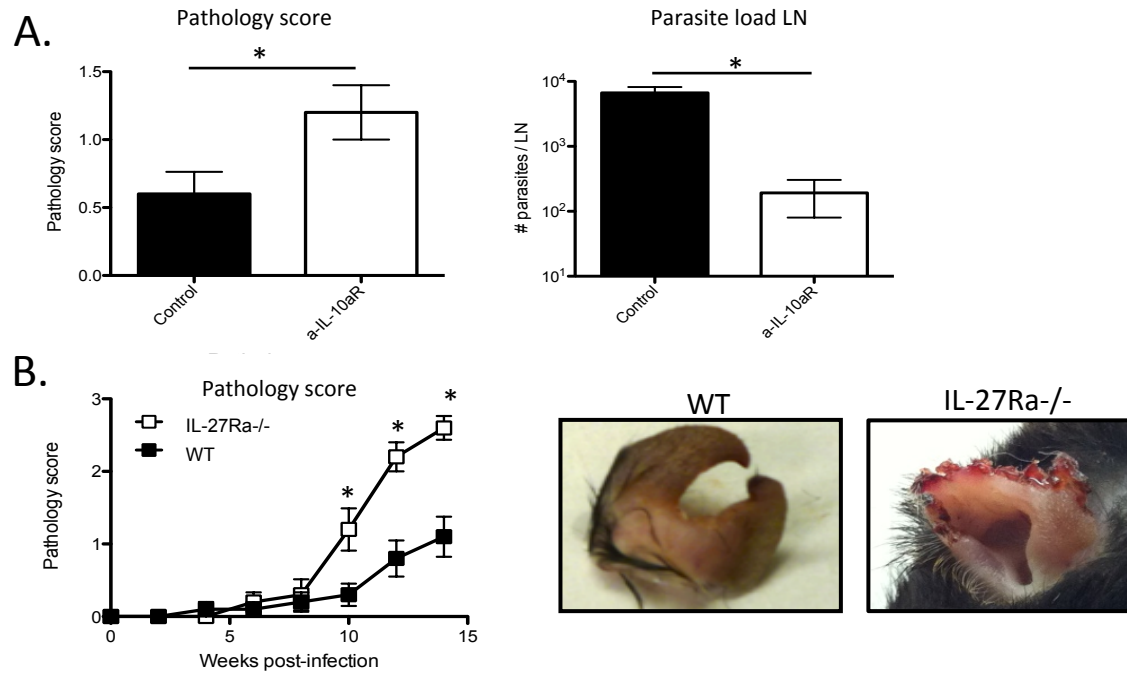


Figure S2. *LmSd* induced IL-10 and IL-27 dampen the pathologic response. (A) C57BL/6 mice were infected in the ear dermis with 1000 *LmSd* metacyclic promastigotes and from wk 12 post-infection were treated with anti-IL-10αR Ab every 4 days for 2 wks. Mice were sacrificed at wk 14 post-infection. Parasite burden and pathology score are represented as the mean ± SD of 10 ears, 5 mice/group. * p<0.05. **(B)** Pathology score over the course of infection in C57BL/6 and IL-27Ra^{-/-} mice infected in the ear dermis with 1x10⁴ *LmSd* metacyclic promastigotes. Data are means ± SD of 10 ears, 5 mice/group. * p<0.05. Photographs are of ear lesions in wt and IL-27Ra^{-/-} mice at 14 wks post-infection.

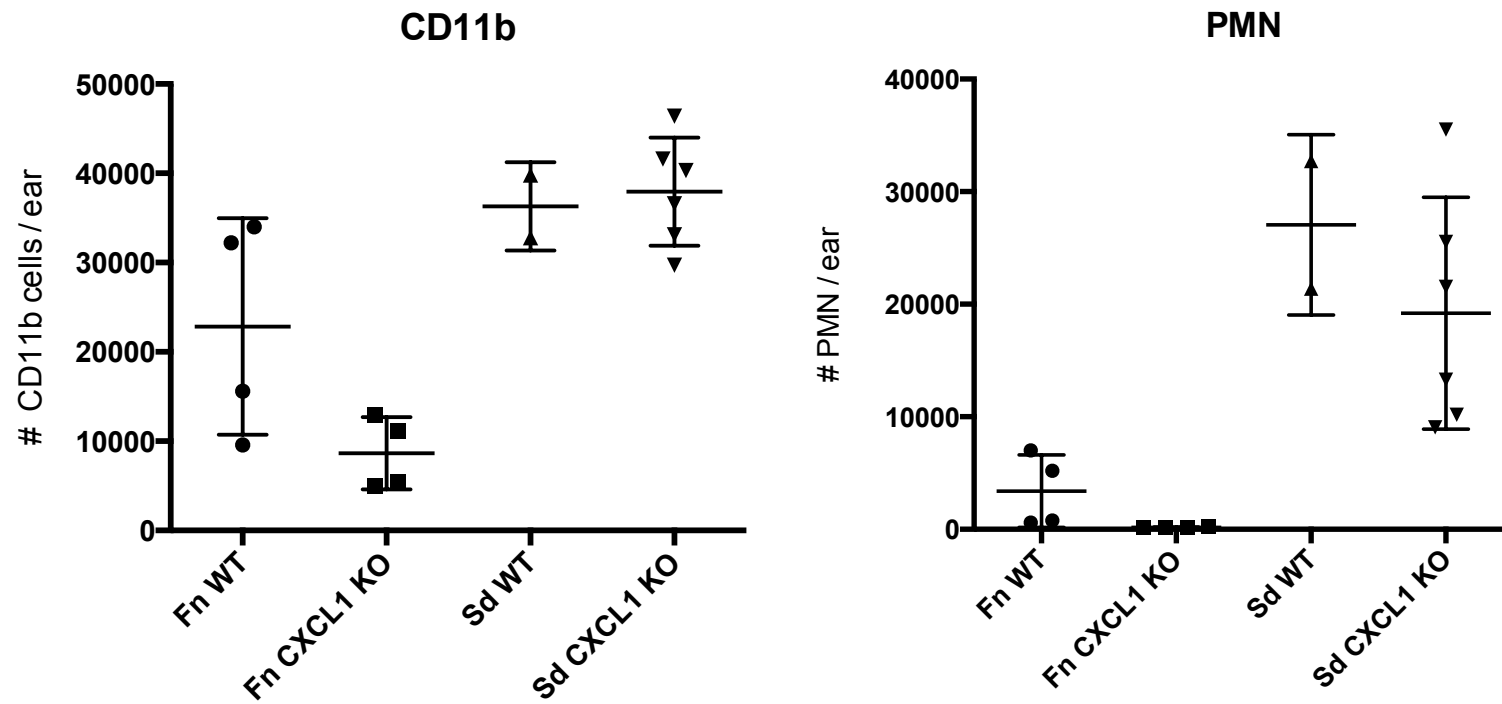


Figure S3. Neutrophils are still recruited to the chronic lesions in *LmSd* infected *CXCL1*^{-/-} mice. Mice were infected in the ear dermis with 1000 *LmFn* or *LmSd* metacyclic promastigotes and ear tissues were processed at 20 wks post-infection. The total numbers of CD11b⁺ and CD11b⁺Ly6C^{int} Ly6G⁺ (PMN) per ear are shown with means \pm SD.

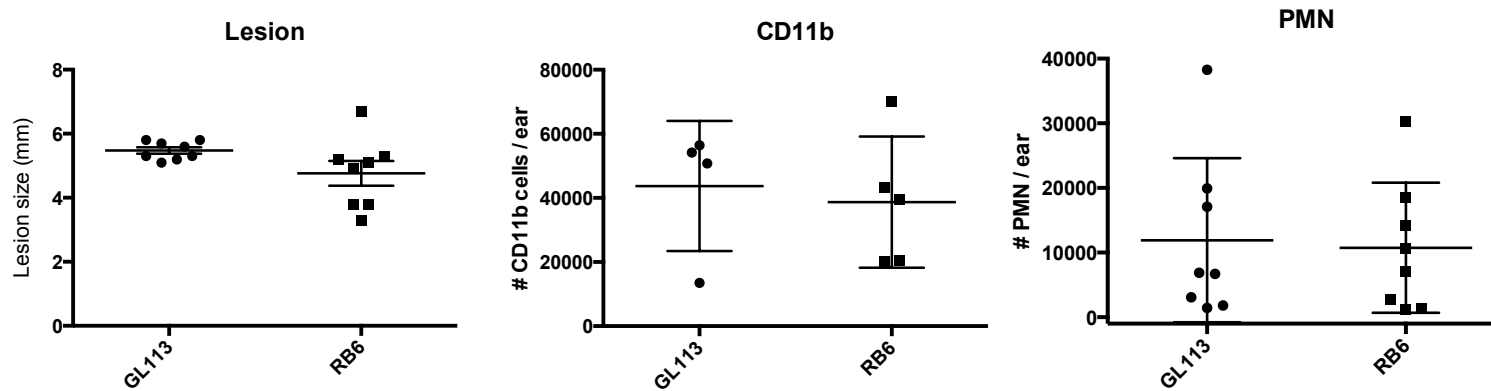


Fig S4. Treatment with RB6 antibody fails to moderate pathology or to reduce neutrophil recruitment to the site. C57BL/6 mice were infected in the ear dermis with 1000 *LmSd* metacyclic promastigotes. At 10 wks post-infection, mice were injected i.p. with 0.5 mg RB6-8C5 or GL113 every 3-4 days for a total of 5 injections. Lesion scores were measured at 12.5 wks, and ear tissue was processed to determine the total numbers of CD11b+ and CD11b+Ly6C^{int} Ly6G⁺ (PMN) per ear. Values shown are means ± SD. This experiment was repeated a total of three times with similar results.