PNAS
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Supplementary Information for

CD47 blockade reduces the pathologic features of experimental cerebral malaria and promotes survival of hosts with *Plasmodium* infection

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This PDF file includes:

Figures S1 to S5

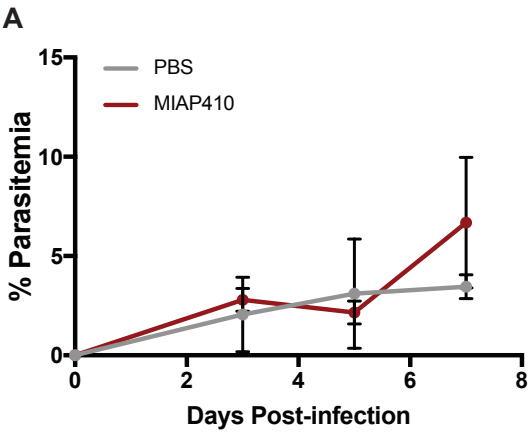

Fig. S1. Parasitemia during cerebral phase of *Pb-A* infection. (A) Percent parasitemia during the cerebral phase of *Pb-A* infection in C57BL/6 mice treated with PBS or anti-CD47 (MIAP410) plotted as mean ± SEM. There was no significant difference in percent parasitemia between PBS and anti-CD47 (MIAP410) treated mice.

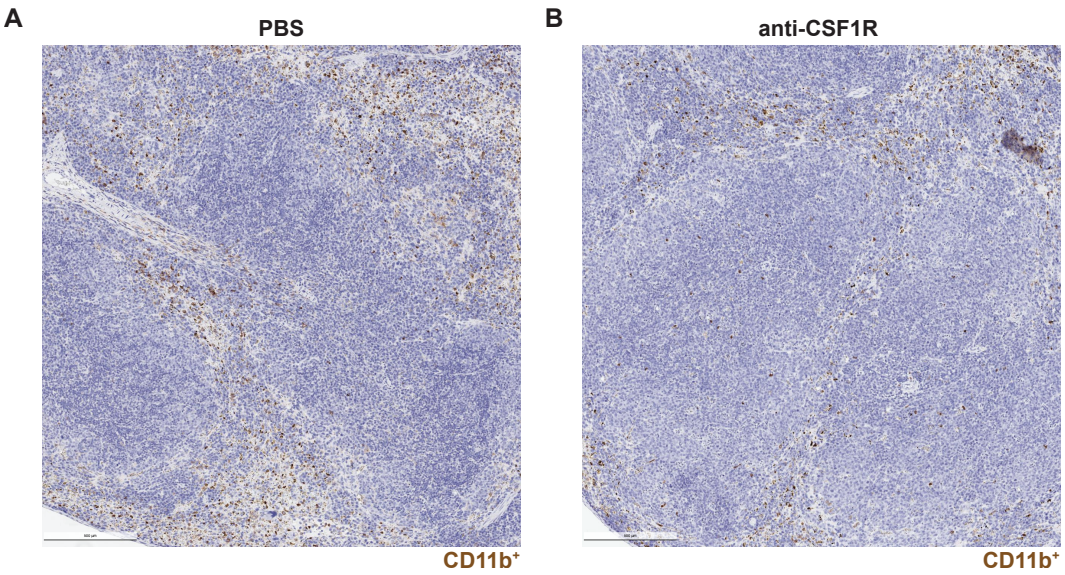

Fig. S2. Long-term anti-CSF1R treatment results in depletion of CD11b$^+$ splenic macrophages. (A) Mice were treated for three weeks with anti-CSF1R resulting in depletion of macrophages compared to (B) untreated mice. Scale is 500 μm.

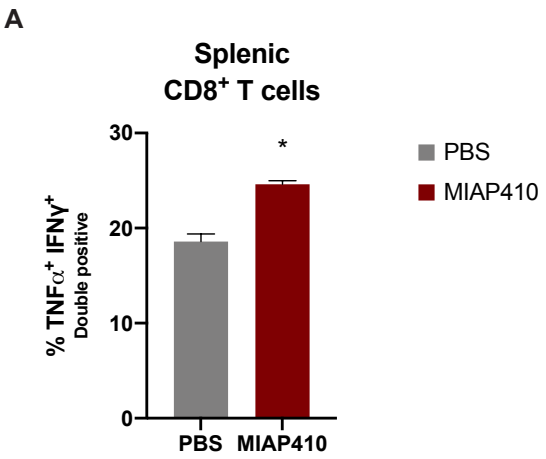

Fig. S3. CD8⁺ T cells contribute to increased circulating cytokine levels in CD47 blockade treated mice. Flow cytometry analysis of spleens harvested on day 6 post-infection from mice infected with *Pb-A* treated with anti-CD47 (MIAP410) or PBS, plotted as mean ± SEM. MIAP410 treated mice had an increase in TNFα IFNγ double positive splenic CD8⁺ T cells compared to PBS-treated mice. (n = 5) (*p<0.05)

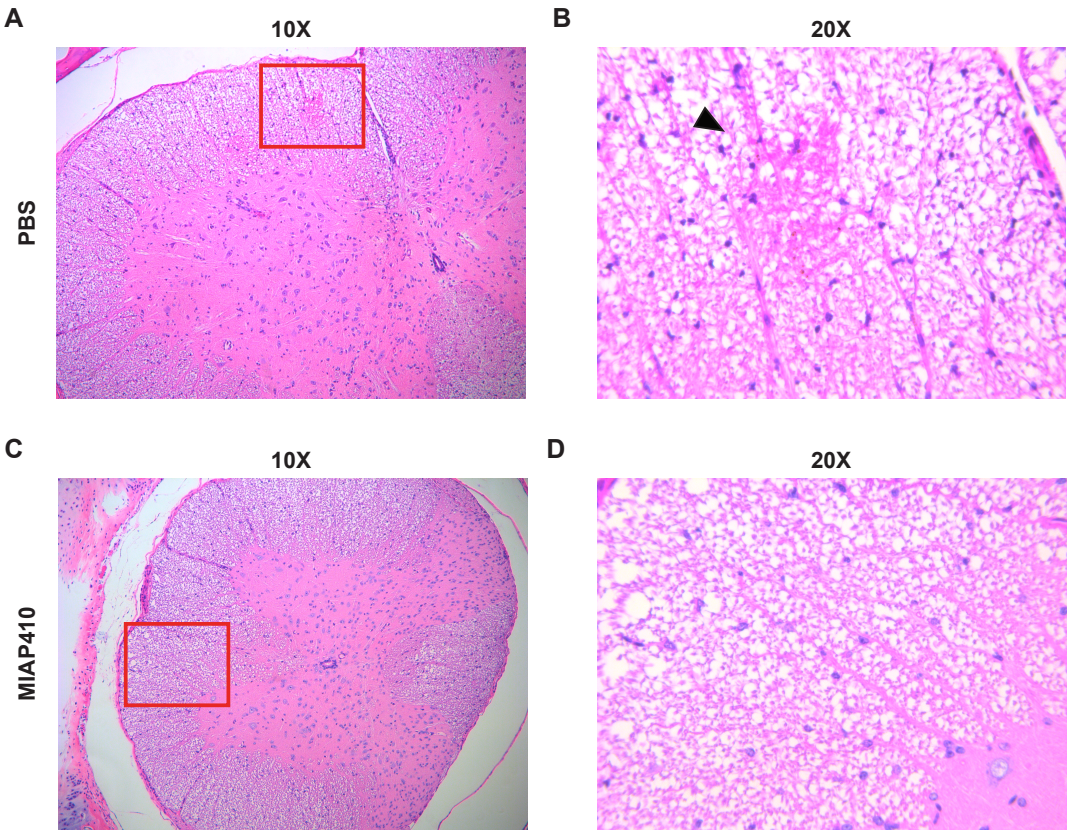

Fig. S4. CD47 blockade reduces pathologic features of experimental cerebral malaria in the spinal cord. C57BL/6 mice on day 6 post-infection (A) H&E staining of spinal cord tissue of PBS treated mice taken at 10X and (B) 20X, and (C) anti-CD47 treated mice taken at 10X and (D) 20X. Red box represents field of view for 20X magnification images. Black arrow indicates hemorrhagic lesion within the interstitium.

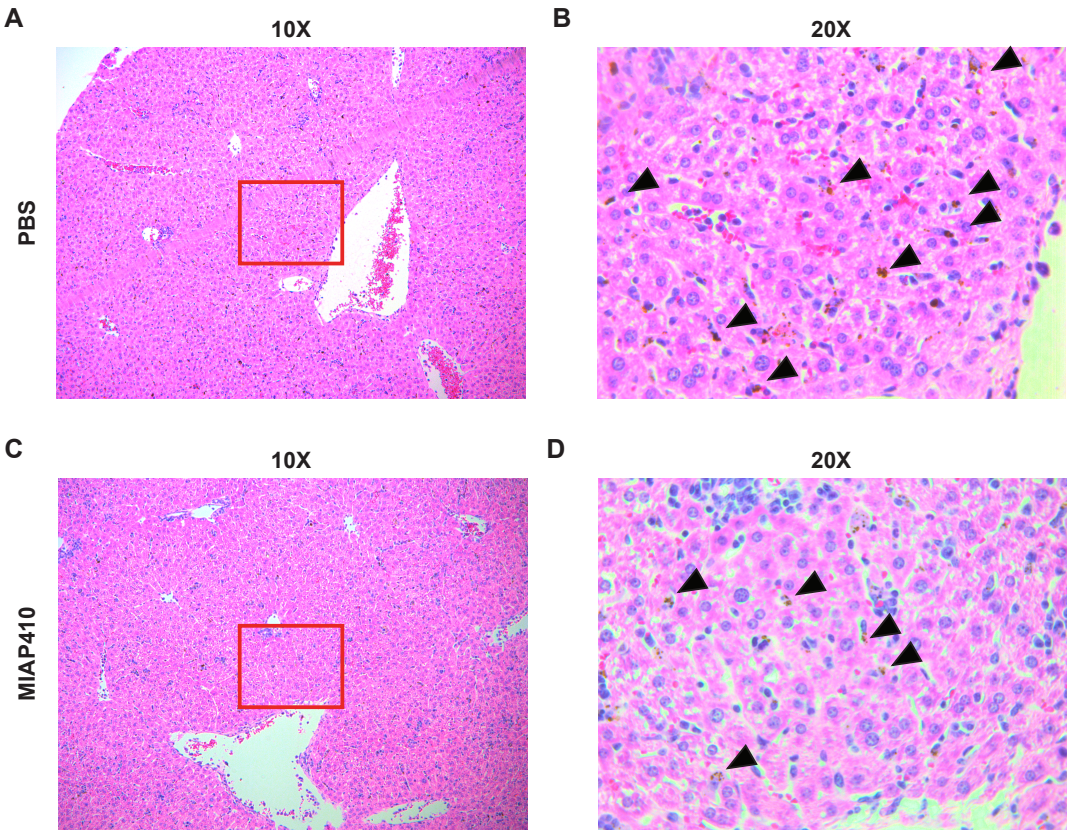

Figure S5. CD47 blockade reduces pathologic features of experimental cerebral malaria in the liver. C57BL/6 mice on day 6 post-infection (A) H&E staining of liver tissue of PBS treated mice taken at 10X and (B) 20X, and (C) anti-CD47 treated mice taken at 10X and (D) 20X. Red box represents field of view for 20X magnification images. Black arrows indicate dark-brownish pigmented malaria metabolite, hemozoin.