

Figure S1. EP2 is most abundantly expressed among EP receptors and is further upregulated during macrophage maturation. Freshly flushed bone marrow cells were cultured for up to 6 days in the presence of 30% L929 supernatant; after 3 days, cultures were replenished with new medium totaling 50% of original volume. At each day of the 6 day culture, cells were collected and analyzed for the expression of EP receptors with qRT-PCR. Data presented in all panels are expressed as the mean \pm SEM from 4 experiments, each utilizing cells from a single mouse. * $p < 0.05$; n.d. – not detectable

Figure S2. Percentage of peritoneal mononuclear cells does not differ between wild type and EP2^{-/-} mice in thioglycollate induced peritonitis. EP2^{-/-} and wild type mice were injected intraperitoneally with thioglycollate. Peritoneal cells were isolated by lavage 4 days later and prepared for microscopic inspection with modified Wright-Giemsa staining. 300 cells were differentially counted per one cytospin at 100 \times magnification.

Figure S3. EP2^{-/-} mice exhibit increased macrophage maturation in a model of thioglycollate peritonitis. (A) EP2^{-/-} mice after intraperitoneal injection with thioglycollate have higher expression of F4/80 on peritoneal cells compared to wild type mice. EP2^{-/-} and wild type mice were injected intraperitoneally with thioglycollate. Peritoneal cells were isolated by lavage 4 days later and stained with CD11b-FITC, F4/80-APC and CD115-PE. Mean fluorescent intensity (MFI) for F4/80 is expressed as the mean \pm SEM from 3 experiments, each employing a different mouse. MFI was compared between both genotypes using a paired t-test. * $p < 0.05$. (B) and (C) EP2^{-/-} mice have a higher percentage of blood monocytes during peritonitis compared to wild type mice. Blood leukocytes were obtained from EP2^{-/-} and wild type mice 4 days after

intraperitoneal injection of thioglycollate and analyzed by Coulter counter. Blood cell analysis was compared between both genotypes using a paired t-test. * $p < 0.05$

Fig.S1

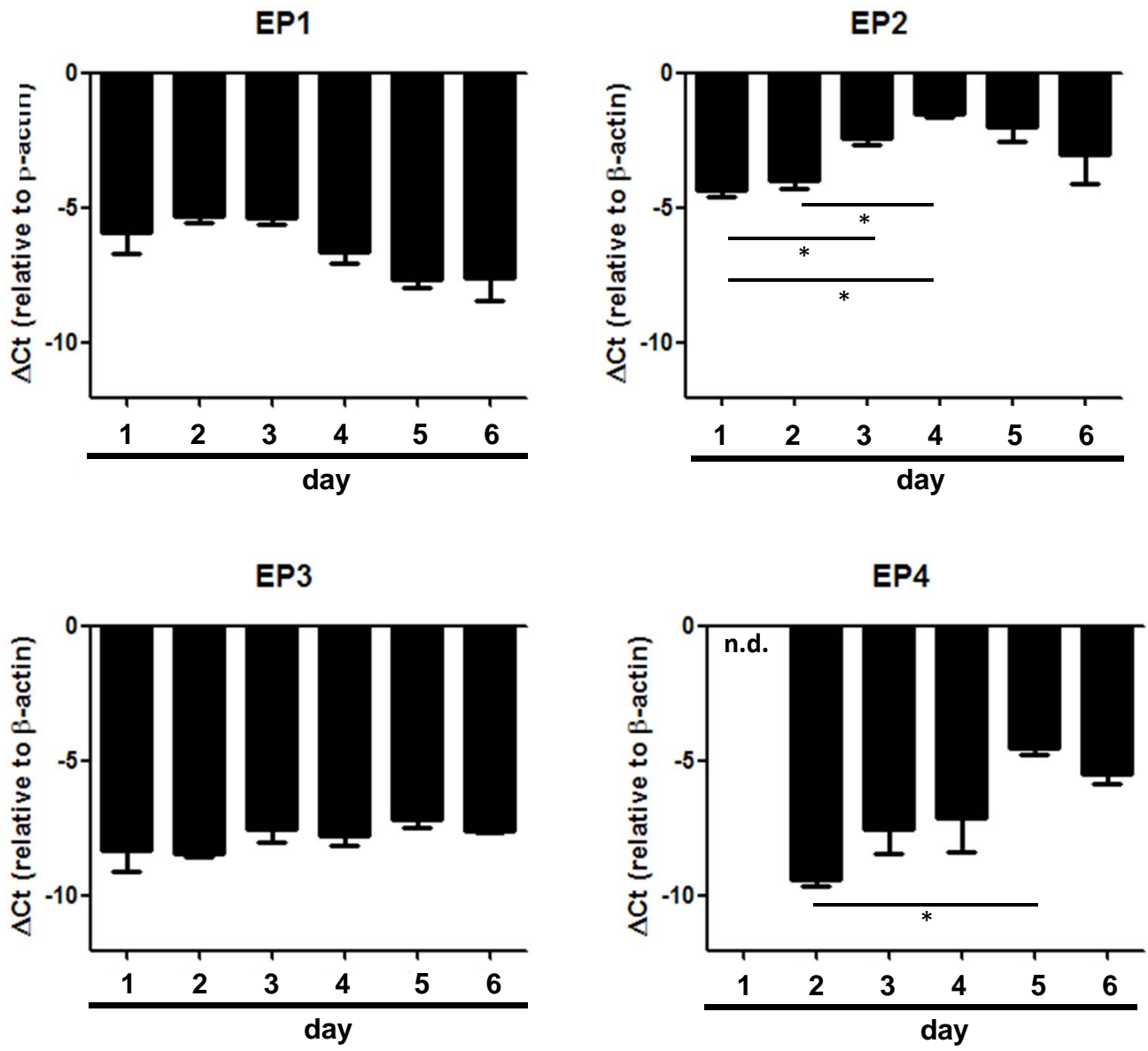
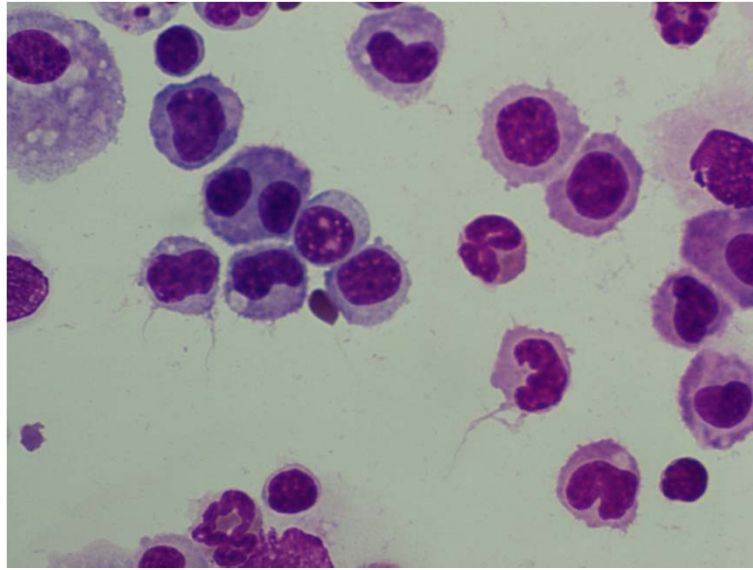


Fig.S2

wt (100x)



EP2^{-/-} (100x)

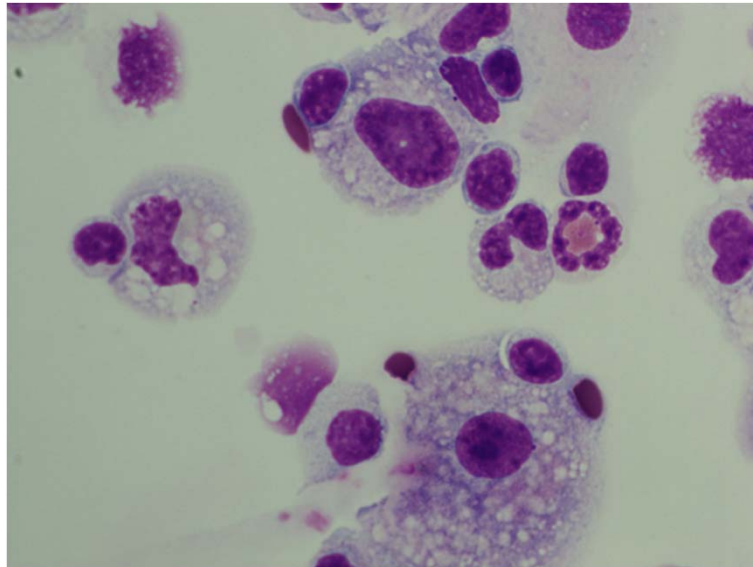
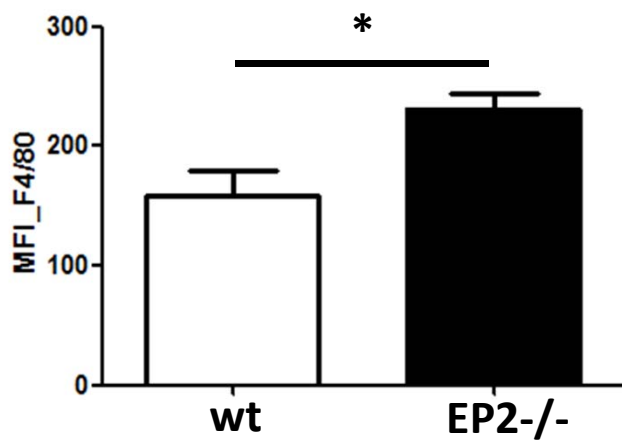
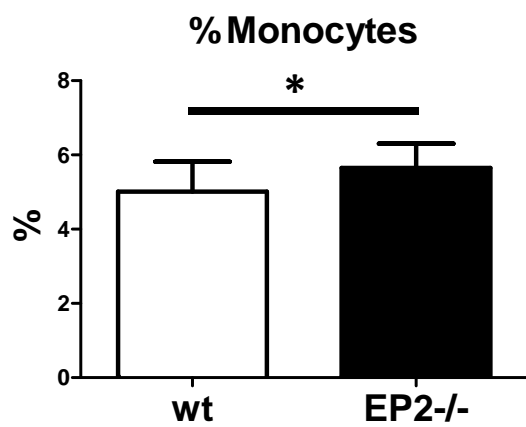


Fig.S3

A



B



C

