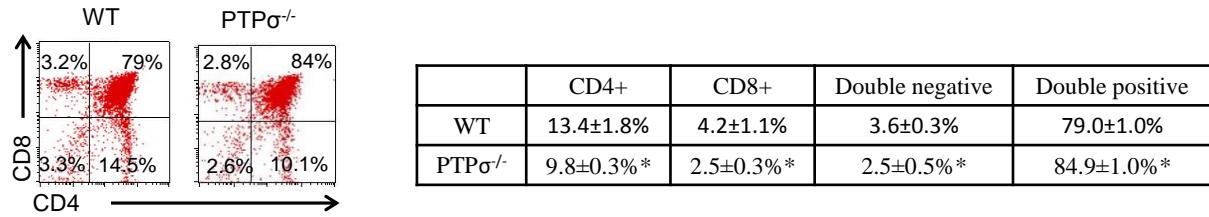


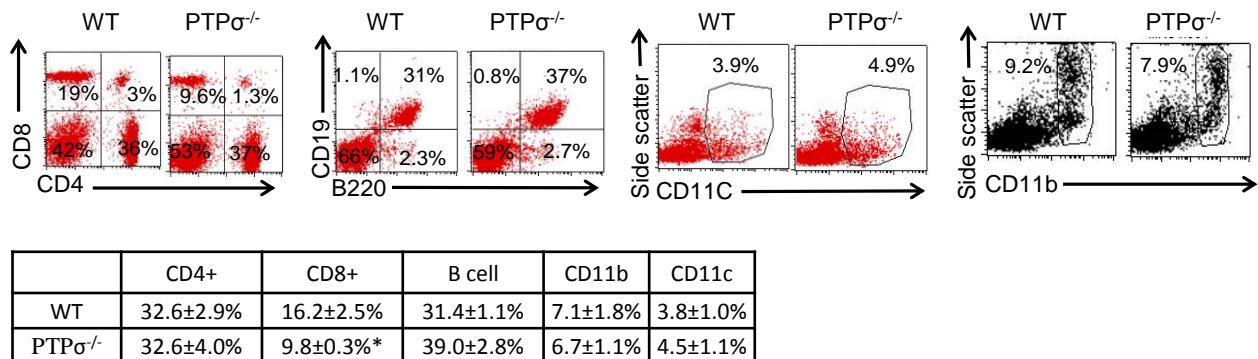
Protein tyrosine phosphatase σ regulates immune cell functions and autoimmune encephalomyelitis development

Yosuke Otake, Weimin Kong, Rashad Hussain, Makoto Horiuchi, Michel L. Tremblay, Doina Ganea and Shuxin Li

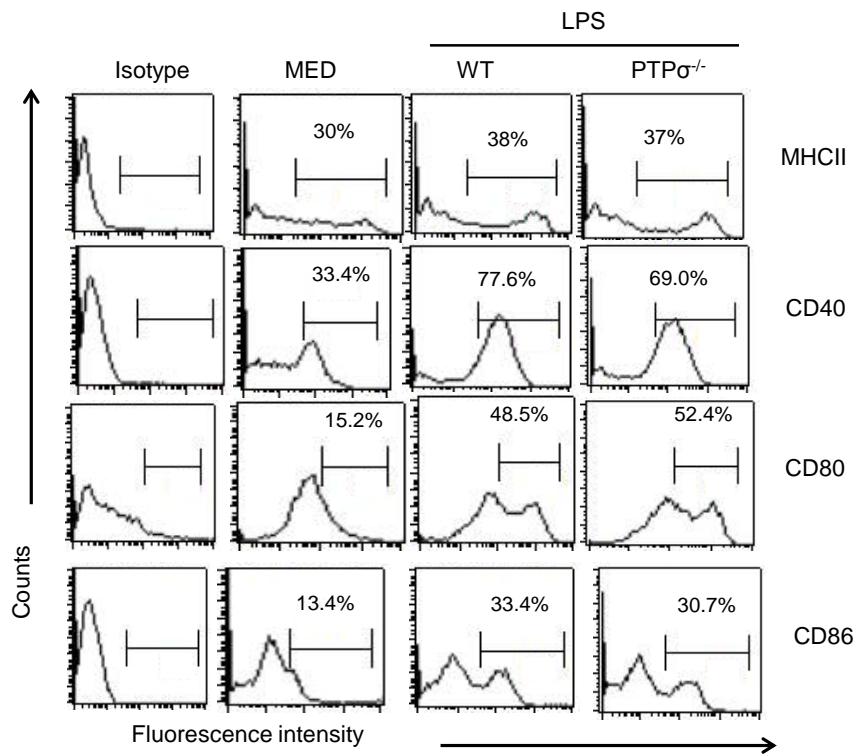
A. Thymus



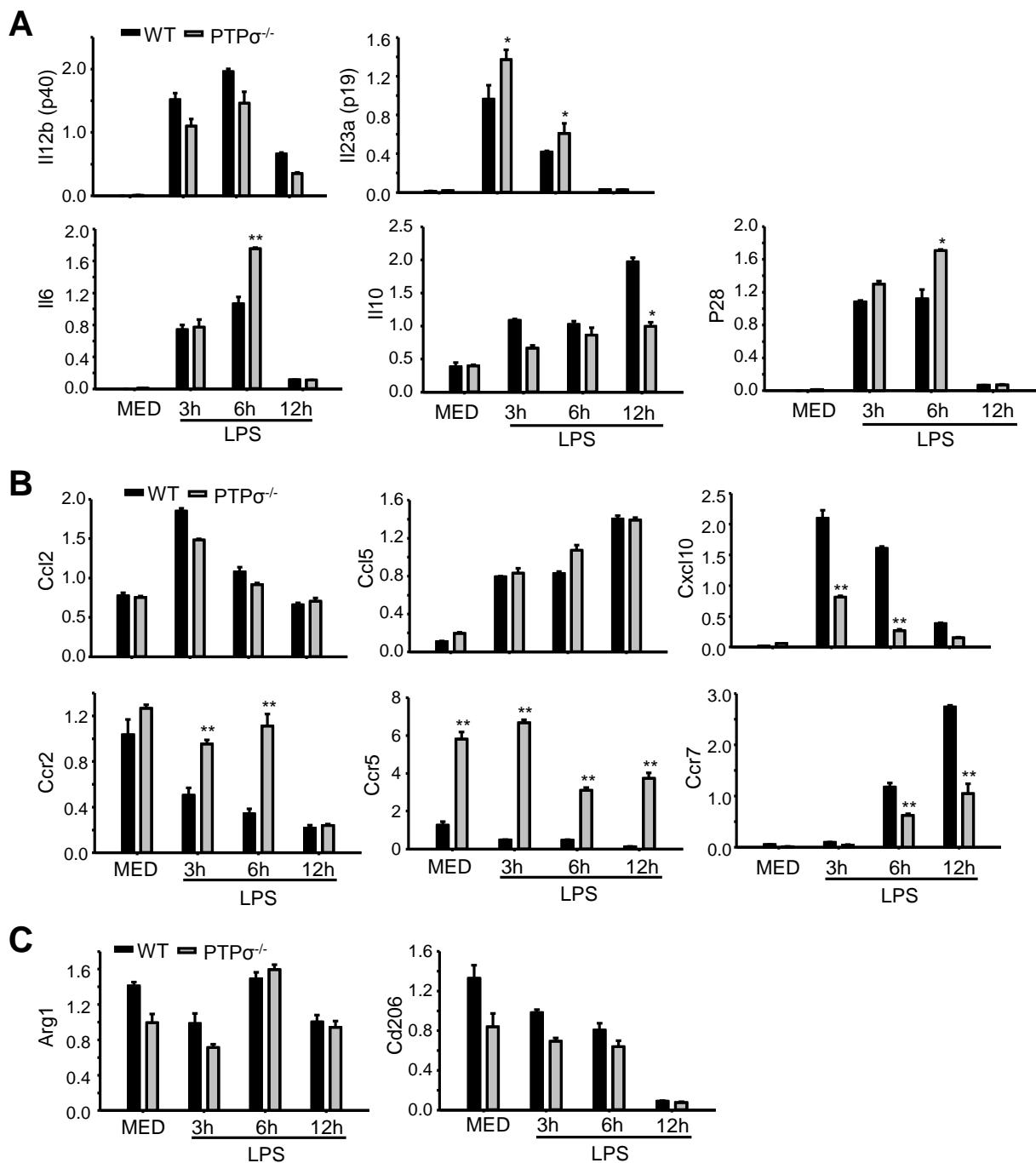
B. Spleen



Supplemental figure 1: Characterization by flow cytometry of cell profiles in thymuses (A) and spleens (B) of WT and PTP $\sigma^{-/-}$ mice (n=4 mice/group).



Supplemental figure 2: Comparison by flow cytometry of surface marker expression in dendritic cells (DCs). Bone marrow from WT and PTP σ ^{-/-} mice was cultured in the presence of GM-CSF for 7 days to generate DCs. DCs were treated with medium (MED, as a negative control) or LPS for 24 hours, then stained with fluorescence conjugated anti MHCII, CD40, CD80, and CD86. ISO: isotype antibody as a negative staining control.



Supplemental figure 3: RT-PCR assays show expression levels of cytokines (A), chemokines and their receptors (B), and M1/M2 markers (C) in bone marrow derived macrophages treated with LPS for 3, 6 or 12 hours.