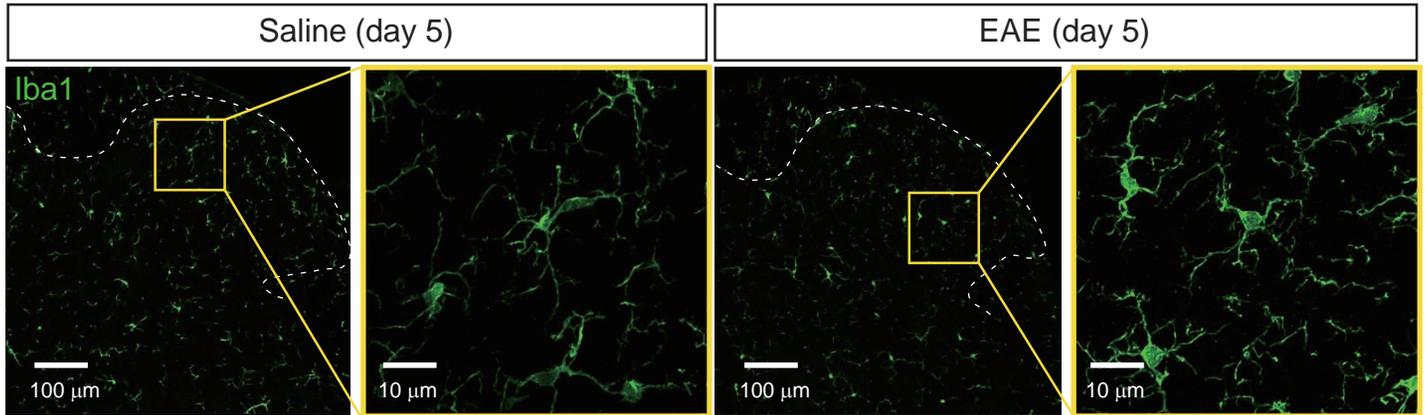


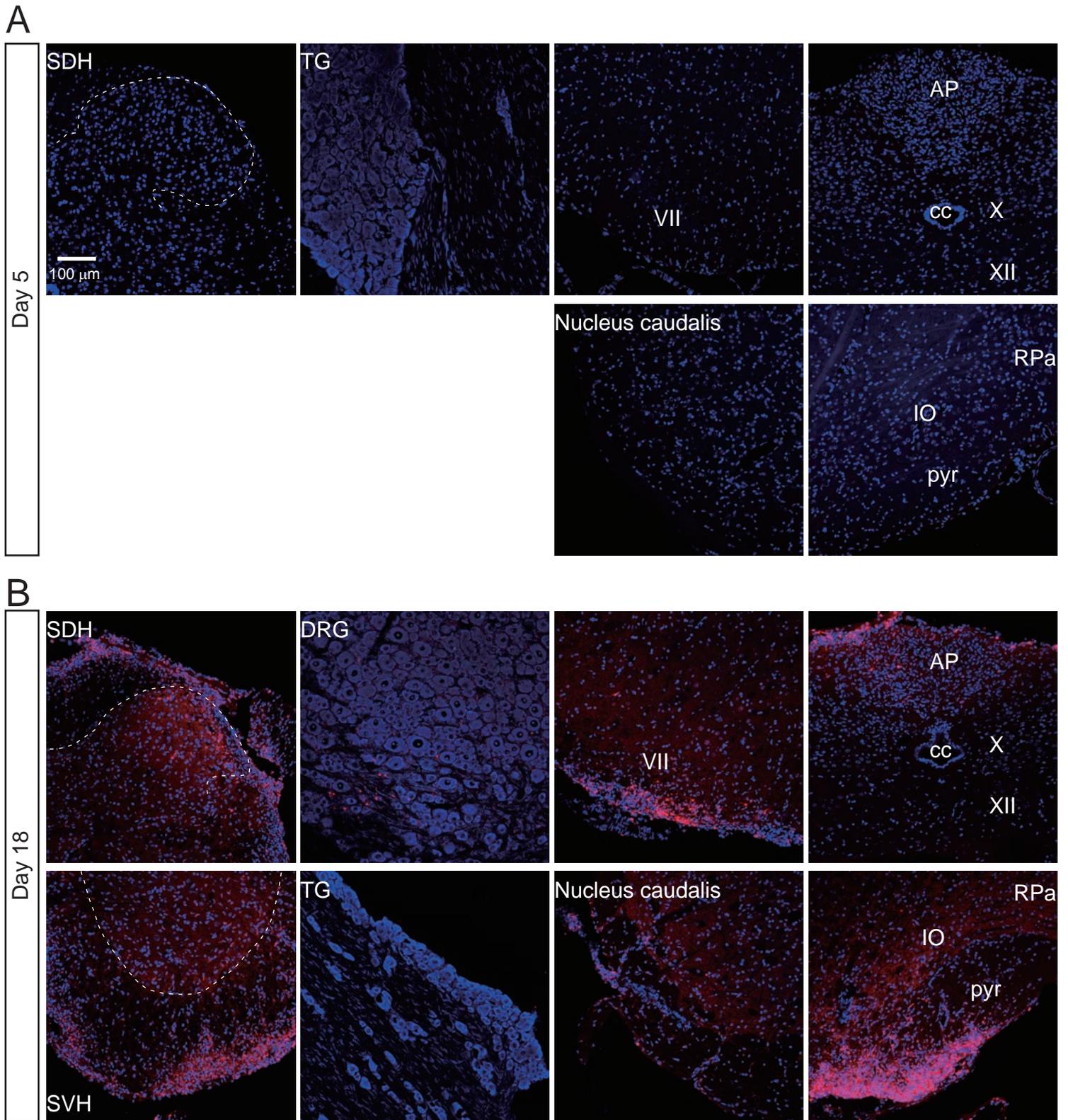
Suppl. Fig. 1:

Time course of T cell infiltration in the several regions after MOG₃₅₋₅₅ immunization. (A, B) Immunofluorescence of CD3 (red) in the several regions during the preclinical phase (A) and clinical phase (B) of EAE. DRG and TG are costained with Nissl. Others are costained with DAPI. Scale bar: 100 μ m. SDH: spinal dorsal horn; SVH: spinal ventral horn; DRG: dorsal root ganglion; TG: trigeminal ganglion; AP: area postrema; cc: central canal; VII: facial motor nucleus; X: dorsal motor nucleus; XII: hypoglossal nucleus; RPa: Raphe pallidus; IO: inferior olive; pyr: pyramidal tract.



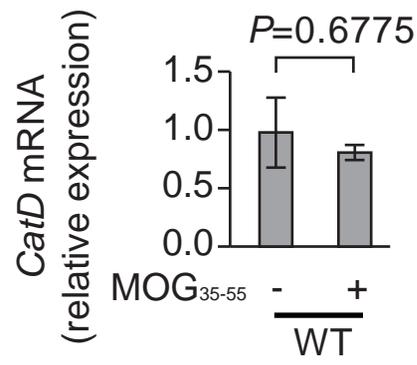
Suppl. Fig. 2:

Images show Iba1 (microglia) in the L5 spinal dorsal horn 5 days after MOG₃₅₋₅₅ immunization. Microglia in the spinal dorsal horn are not activated even after MOG₃₅₋₅₅ immunization. Broken lines indicate the border between white and gray matter in the spinal dorsal horn.



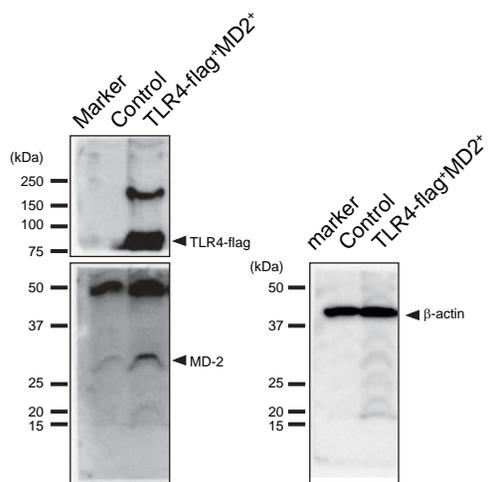
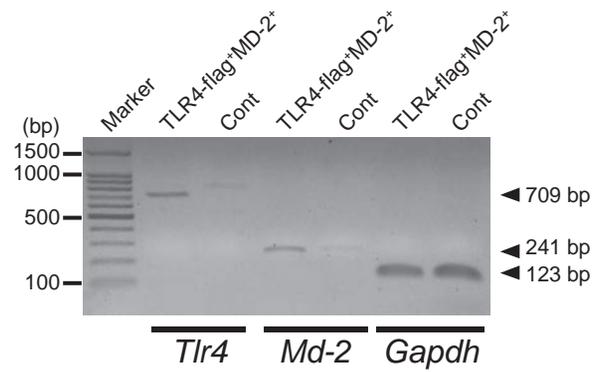
Suppl. Fig. 3:

Time course of neutrophil infiltration in the several regions after MOG_{35-55} immunization.. (A, B) Immunofluorescence of ELA2 (red) in the several region during the preclinical phase (A) and clinical phase (B). DRG and TG are costained with Nissl. Others are costained with DAPI. Scale bar: 100 μ m. SDH: spinal dorsal horn; SVH: spinal ventral horn; DRG: dorsal root ganglion; TG: trigeminal ganglion; AP: area postrema; cc: central canal; VII: facial motor nucleus; X: dorsal motor nucleus; XII: hypoglossal nucleus; RPa: Raphe pallidus; IO: inferior olive; pyr: pyramidal tract.



Suppl. Fig. 4:

Quantitative PCR analyses of CatD mRNA in neutrophils. Neutrophils were stimulated MOG₃₅₋₅₅ (25 μ g/mL) for 6 hours. CatD mRNA in neutrophils were not changed after MOG₃₅₋₅₅ stimulation. n=3 mice per group, unpaired *t*-test.

A**B****Suppl. Fig. 5:**

Forced expression of mouse TLR4 and MD-2 in HEK293T. HEK293T are cotransfected with mouse TLR4-flag and MD-2 plasmids. (A) The immunoblot for flag and MD-2 in mTLR4-flag⁺/mMD-2⁺ HEK293T cells. The protein for TLR4 was detected by anti-DDDDK (flag) antibody. (B) The gel shows semi-quantitative PCR for mouse TLR4 and MD-2 in mTLR4-flag⁺/mMD-2⁺. Amplicon of *Tlr4*, *Md-2* and *Gapdh* was 709 bp, 241 bp and 123 bp, respectively.