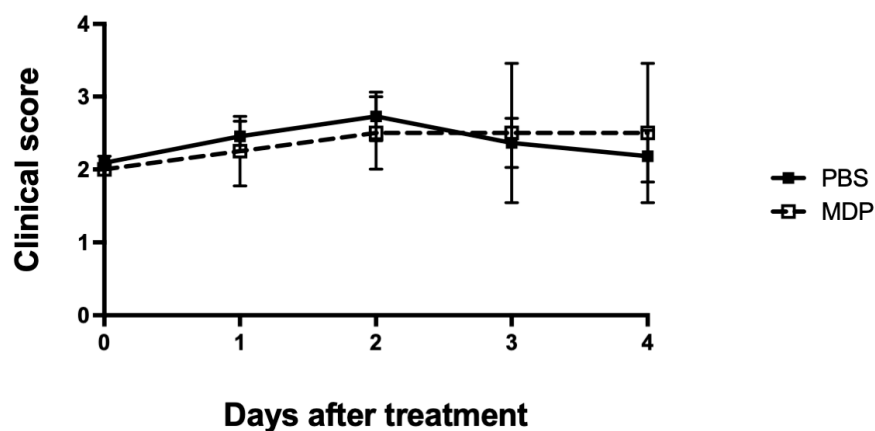
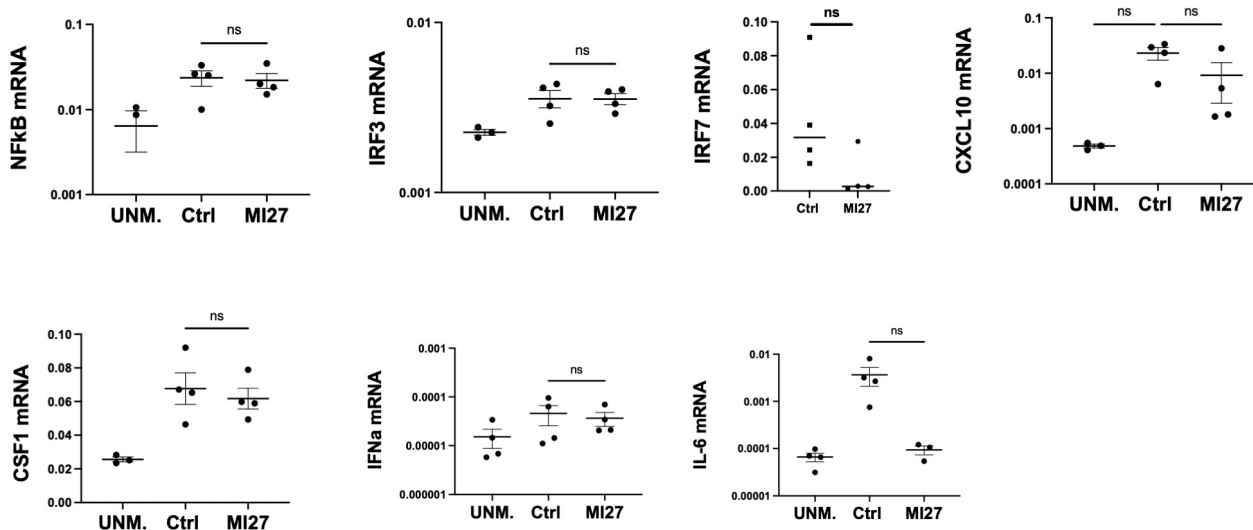


## Supplementary Materials:



**Supplementary Figure S1.** Intrathecal MDP had no effect on EAE progression. A) C57BL/6 mice were immunized with MOGp35-55 to induce EAE, and at disease onset, they received intrathecal MDP or PBS, and clinical signs were scored daily. Intrathecal MDP showed no effect on disease compared to control mice (n=4-11 in each group).



**Supplementary Figure S2.** RT-qPCR analysis of spinal cords showed that intrathecal MI27 had no effect on the levels of CSF1, IL-6, IFN $\alpha$ , NF- $\kappa$ B, IRF3, CXCL10, or IRF7 at 1 day post-dose (n=4 in each group). Unm = unmanipulated. Data are presented as mean  $\pm$  SEM. Results were analyzed using the two-tailed Mann–Whitney Utest.