SUPPLEMENTARY

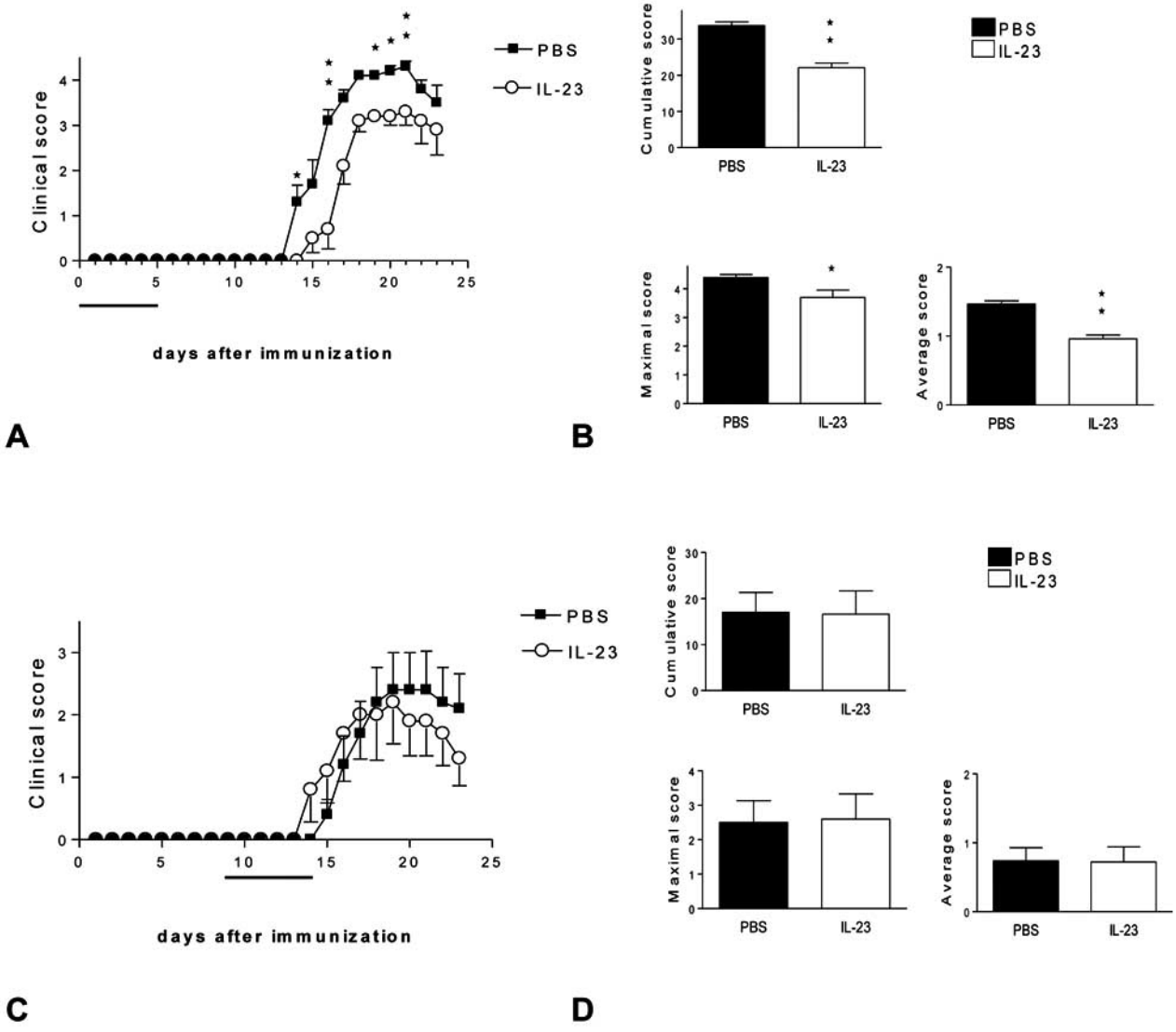

Fig. (S1). Effect of IL-23 administration on chronic EAE. Female C57BL/6 mice were immunized with MOG_{35-55} and treated with rIL-23 (200 ng / mouse / day) or PBS from day 0 to day 5 p.i. (panels **A** and **B**), or from day 9 to 14 p.i. (panels **C** and **D**). Mice were scored daily and data represent mean ± standard error of clinical scores (panels **A** and **C**) or mean ± standard error of cumulative, maximal, and average scores (panels **B** and **D**); * $p < 0.05$; ** $p < 0.01$.

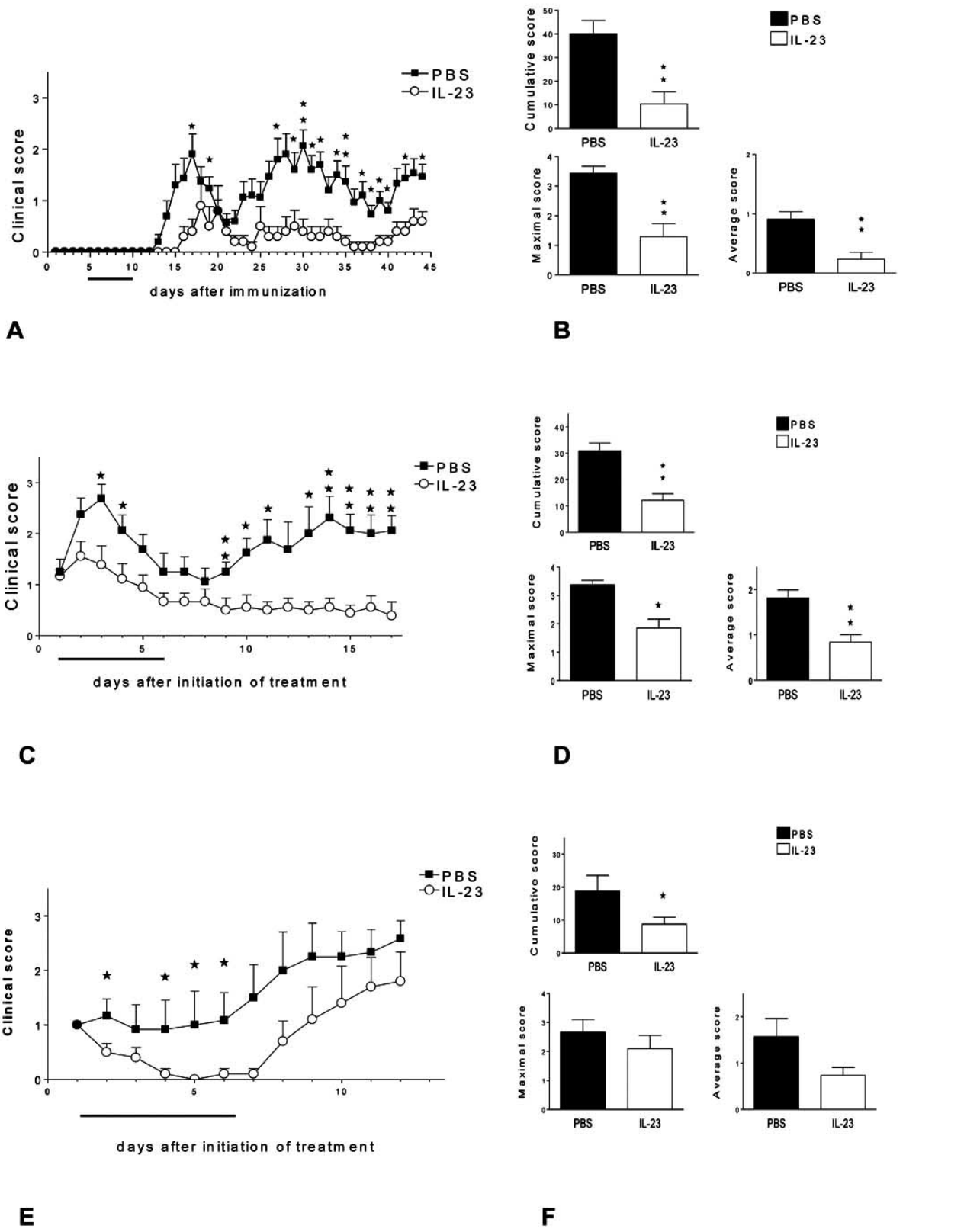

Fig. (S2). Effect of IL-23 administration on relapsing EAE. Female SJL mice were immunized with $PLP_{139-151}$ in CFA and treated with rIL-23 (200 ng / mouse / day) or PBS as indicated in Fig. (**1**) (see panels **A-D**). Mice were scored daily and data represent mean ± standard error of clinical scores (panels **A**, **C**, and **E**) or mean ± standard error of cumulative, maximal, and average scores (panels **B**, **D**, and **F**); * $p < 0.05$; ** $p < 0.01$. For clarity, the same data presented in Fig. (**1**), panels **B-D**, are reproduced here in panels **A**, **C**, and **E**.

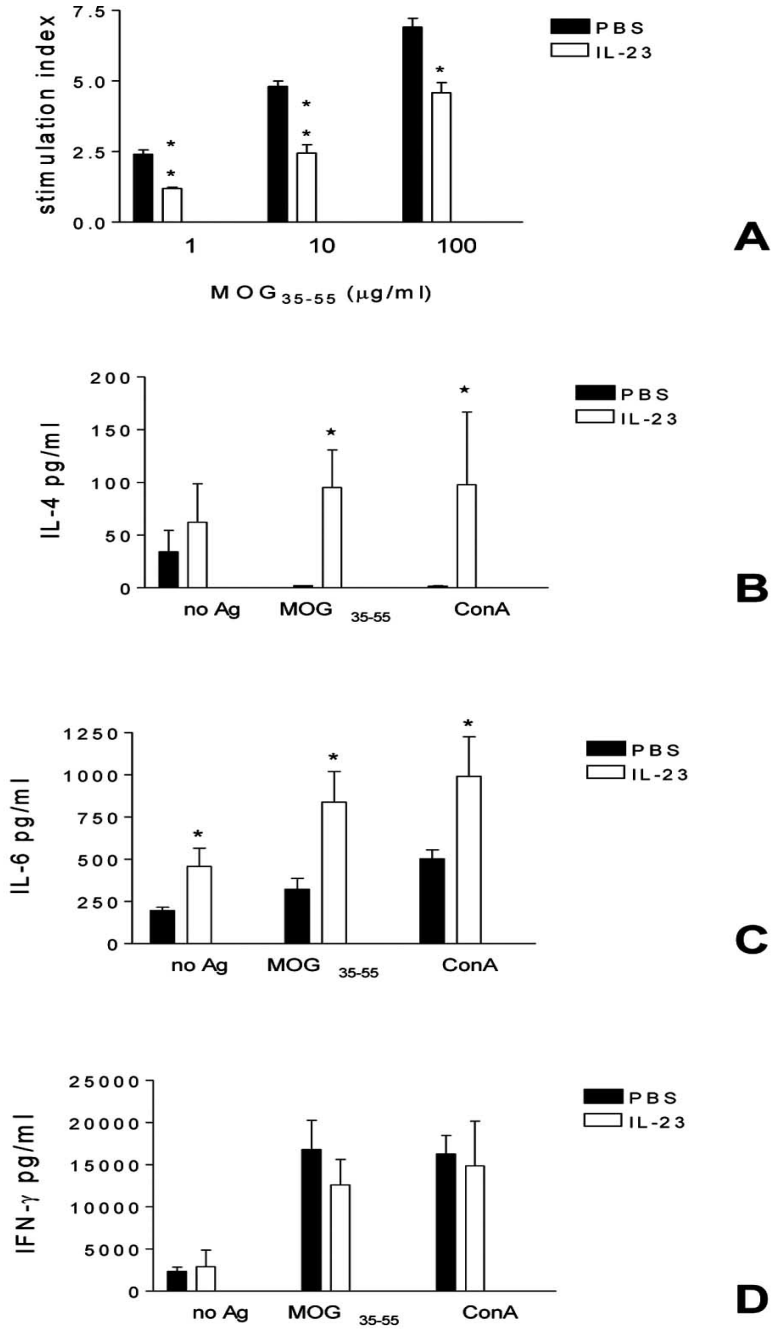

Fig. (S3). Effect of IL-23 treatment (day 0 to 5 p.i.) on spleen cell proliferation and cytokine production in response to antigen and mitogen in C57BL/6 mice immunized with MOG_{35-55} in CFA to induce chronic EAE (see Fig. **S1** for clinical scores). **A**. Spleen cells from PBS- and IL-23-treated mice were harvested on day 21 p.i. and cultured (2.5×10^5 cells / well in 96-well microtiter plates) in the presence or absence of 25 μg/ml MOG_{35-55} for 60 h. Proliferation was measured by adding ^{3}H-thymidine during the final 12 h of incubation. Data are presented as stimulation index (SI, CPM in the presence of MOG_{35-55} / CPM in the absence of MOG_{35-55}) and represent average and standard error of SI values for each group of mice (n = 5); * $p < 0.05$. Mean CPM values in the absence of MOG_{35-55} were 674 for PBS-treated mice and 3,682 for IL-23-treated mice.

B-D. For determination of cytokine production, spleen cells were harvested on day 21 p.i. and cultured for 48 h (5×10^6 cells / well in 24-well plates) in the presence or absence of 25 μg/ml MOG_{35-55} or 5 μg/ml Con A. Cytokine concentrations in culture supernatants (IL-4, panel **B**; IL-6, panel **C**; IFN-γ, panel **D**) were determined by ELISA as described in Materials and Methods; * $p < 0.05$. One representative experiment of three is shown.