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Supplemental Information

MicroRNA-155 Promotes Autoimmune Inflammation

by Enhancing Inflammatory T Cell Development

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Supplemental Information

Figure S1 - Shows disease incidence for mice in Figure 1I

Figure S2 - Presents total cell numbers for Figures 2A and 2B, the amounts of FoxP3⁺ Treg cells and relative amounts of anti-MOG₃₅₋₅₅ IgG in the serum of EAE mice.

Figure S3 - Shows total cell numbers in the different organs analyzed in Figure 3.

Figure S4 - Presents additional flow cytometry plots for Figure 6E.

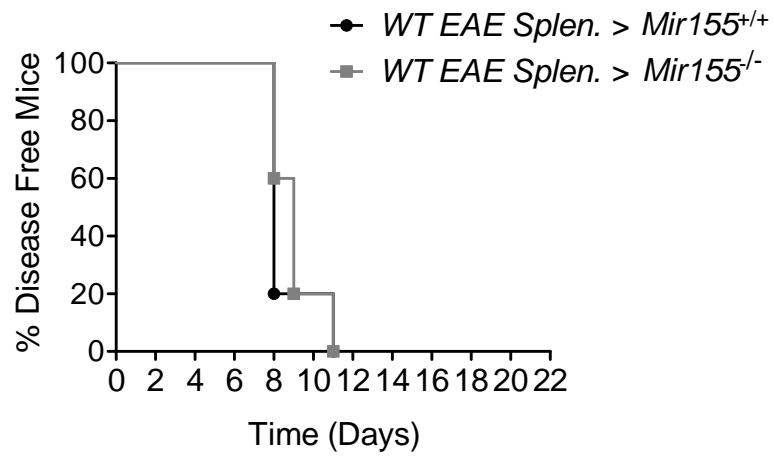


Figure S1 - Disease incidence of WT or *Mir155^{-/-}* mice after receiving day 12 WT encephalitogenic splenocytes (n=5).

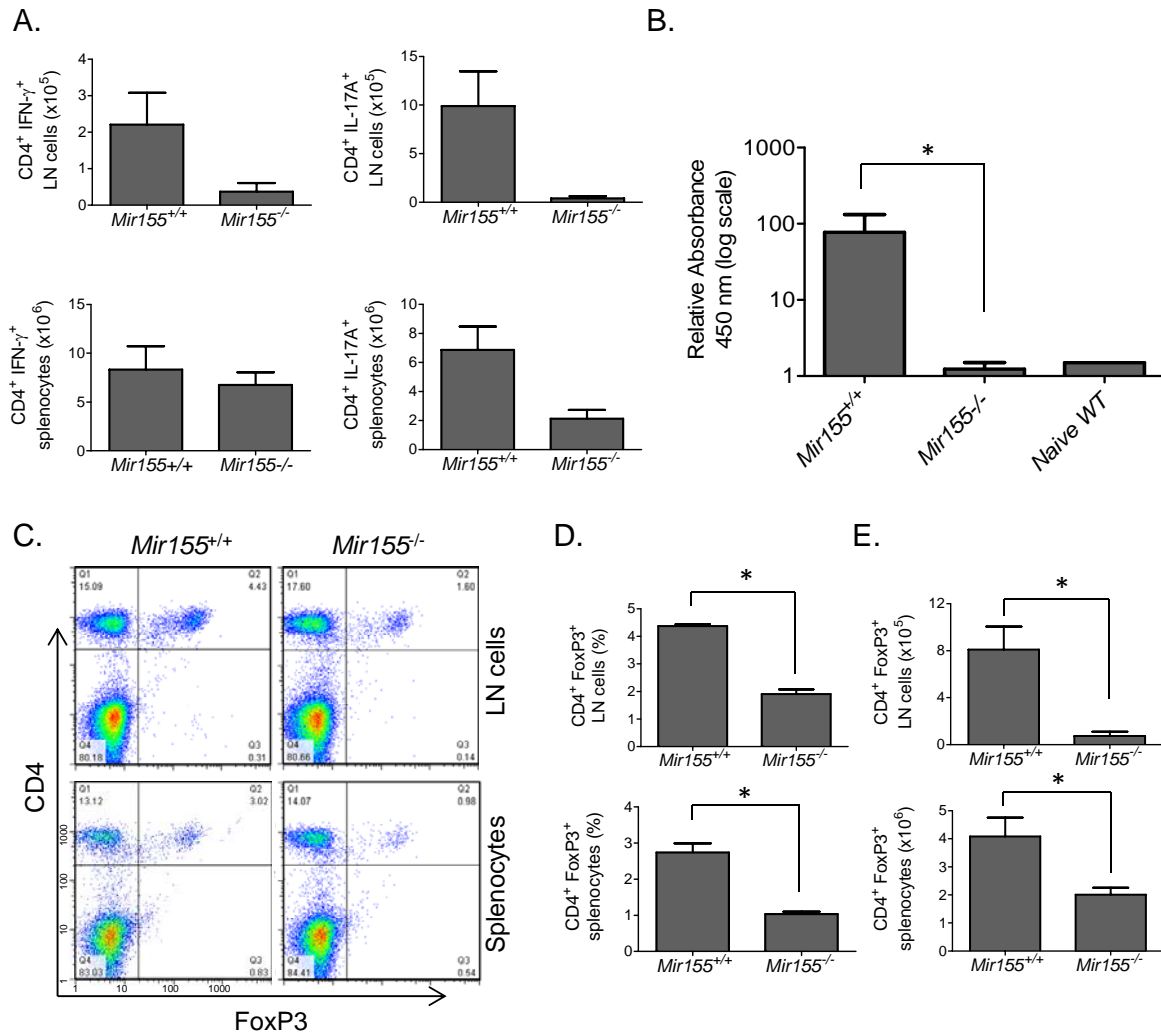


Figure S2 - A. Number of IL-17A or IFN- γ positive CD4⁺ T cells in WT or *Mir155*^{-/-} spleens and LNs from day 25 EAE mice (n=4). **B.** Relative levels of MOG₃₅₋₅₅ reactive IgG antibodies in the serum of *Mir155*^{+/+} and *Mir155*^{-/-} mice was determined by flow cytometry 25 days after immunization with 100 μ g of MOG₃₅₋₅₅ (n=6). 2 naïve WT mice were included as controls. **C.** The percentages and absolute numbers of FoxP3⁺CD4⁺ Treg cells in the lymph nodes and spleens of *Mir155*^{+/+} or *Mir155*^{-/-} mice with EAE were determined 25 days post immunization with MOG₃₅₋₅₅. **D.** and **E.** The averages of 4 mice in each group are shown.

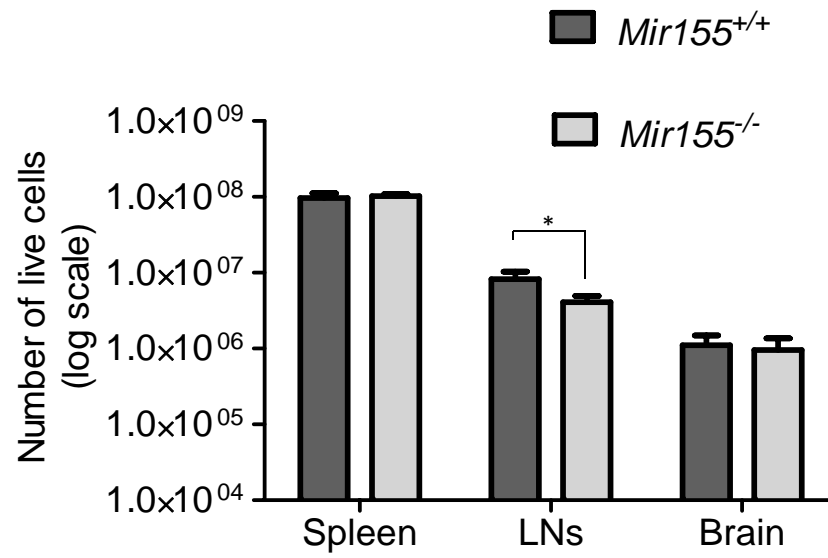


Figure S3 - Total number of live cells from the spleens, LNs or brains of WT or *miR-155*^{-/-} day 13 EAE mice (n=5).

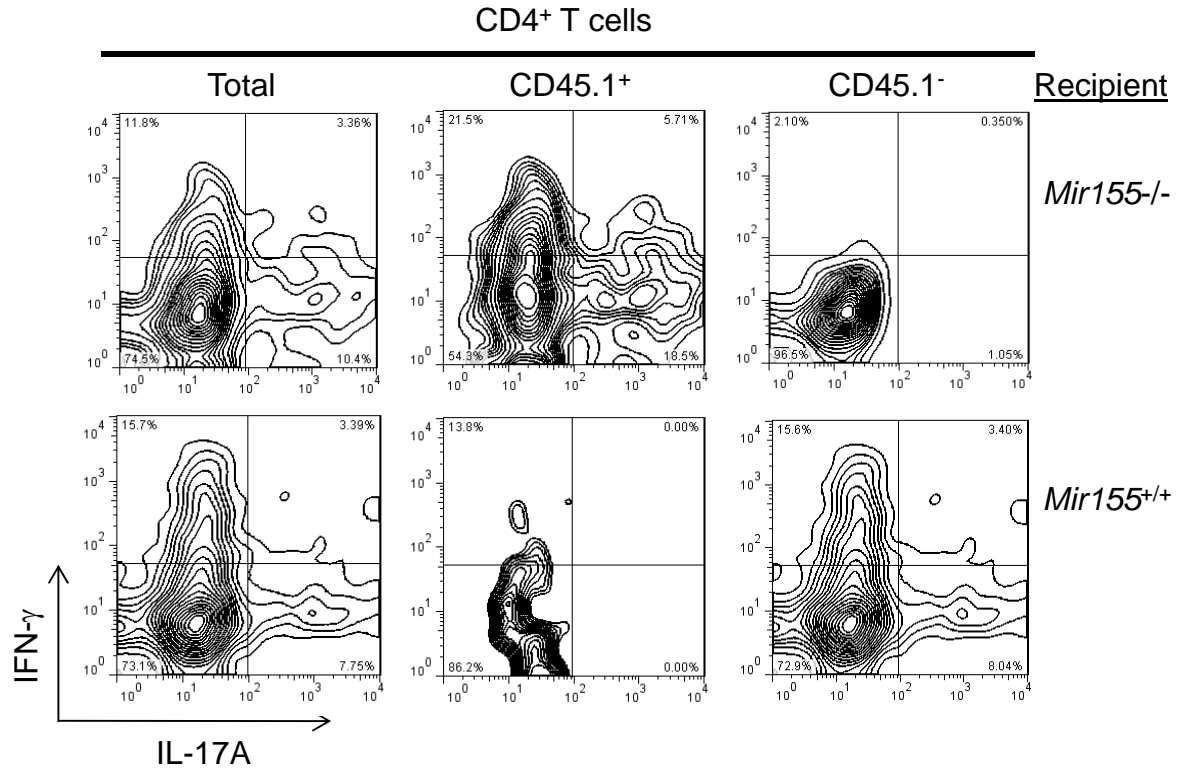


Figure S4 - *Mir155*^{+/+} and *Mir155*^{-/-} mice were injected with 1×10^7 WT CD45.1⁺CD4⁺ T cells and immunized with MOG₃₅₋₅₅ the next day. CD4⁺ T cells were extracted from the brains of EAE mice at the end of the time course and intracellular IL-17A and IFN- γ were assayed by flow cytometry (n=5).