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Supplementary Data

CCR6: A Biomarker for Alzheimer's-like Disease in a Triple Transgenic Mouse Model

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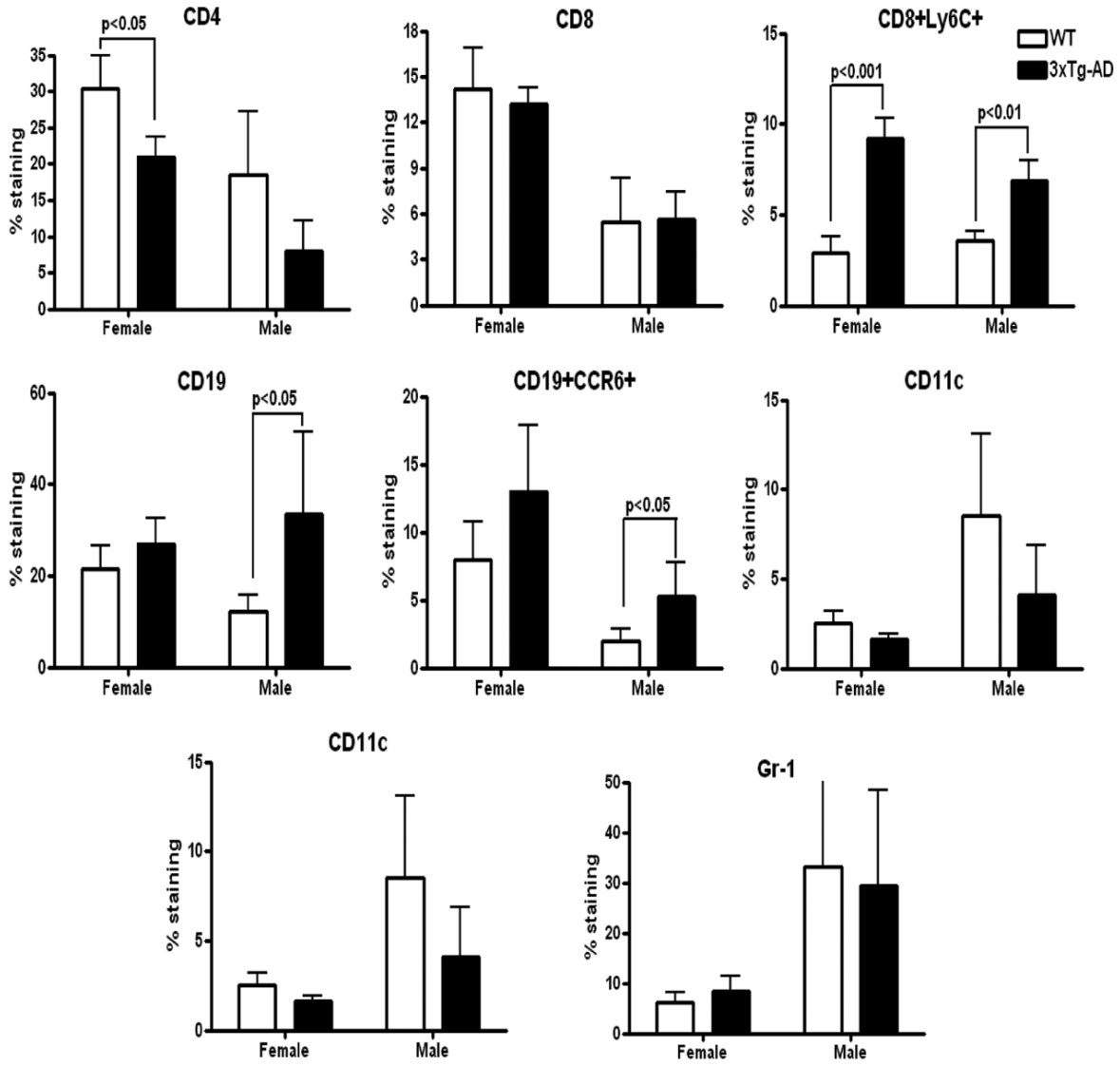
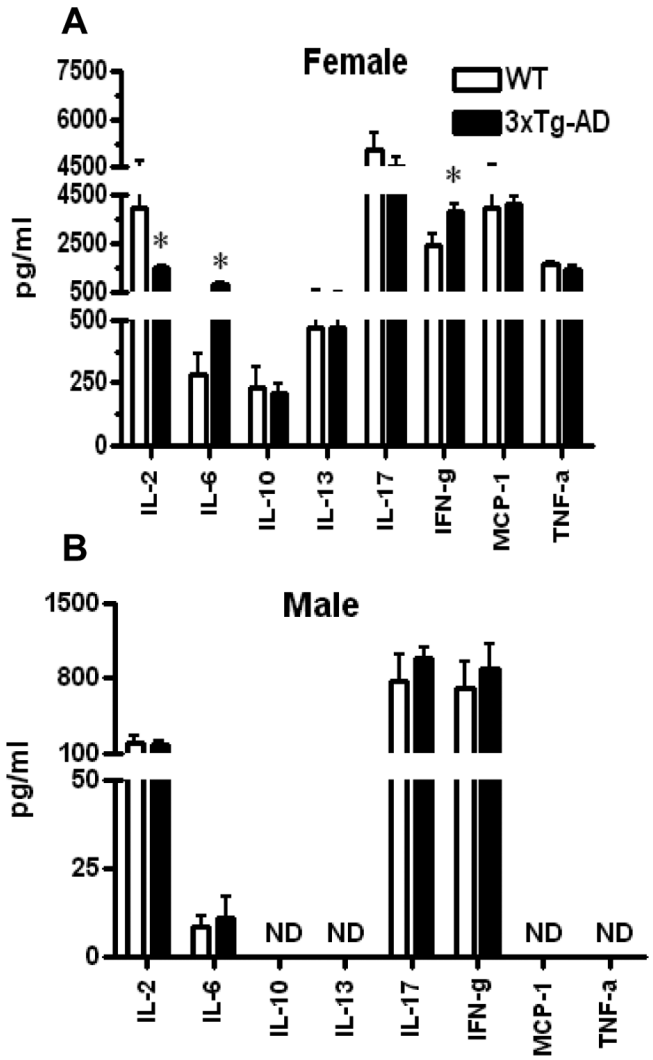


Supplementary Fig. 1. Distribution of cell subsets among PBMCs in 5–6 month old female and male 3xTg-AD versus WT mice. Blood mononuclear cells isolated from individual WT and 3xTg-AD mice were stained for T cells, B cells, macrophages, dendritic cells and granulocytes as well as for expression of CCR6 and Ly6C markers. Data are presented as mean $\pm$ SD with $n = 8$–9 mice/group.



Supplementary Fig. 2. Changes in cytokine levels in activated PBMC from 5-6 month old WT and 3xTg-AD female and male mice. PBMC from WT and 3xTg-AD mice were cultured in the presence of plate-bound anti-CD3 (5 μg) and anti-CD28 (1 μg) mAb for 24 h and supernatants were assayed for cytokine levels by Luminex assay as described in Materials and Methods. Note increases in IL-6 and IFN-γ levels and a decrease in IL-2 levels in young 3xTg-AD females but not males compared to WT controls. Data are presented as mean $\pm$ SD with $n = 7$–8 mice/group. ND = not detectable.