Figure S5. During EAE development, SRG3 over-expression driven by the CD2 promoter enhances Th1 and Th17 differentiation, whereas SRG3 over-expression driven by the β-actin promoter increases Th2 differentiation but decreases Th1 and Th17 differentiation.

(A) Both MBP TCR Tg B10.PL mice and CD2-SRG3/MBP TCR double Tg B10.PL mice or (B) both MBP TCR Tg B10.PL mice and β-actin-SRG3/MBP TCR double Tg B10.PL mice were either non-immunized or s.c. immunized with the MBP-Ac1-11 peptide in CFA. (A-B) CD4+ splenocytes purified from the four groups were activated with plate-bound anti-CD3 (10 μg/ml) and anti-CD28 (1 μg/ml) mAbs for 16 hrs and subsequently stimulated with PMA/ionomycin for 2 hrs in the presence of brefeldin A (10 μg/ml). The intracellular expression of IFNγ, IL17, IL4, and IL10 was evaluated by flow cytometric analysis. Representative FACS plots are shown (n=5).