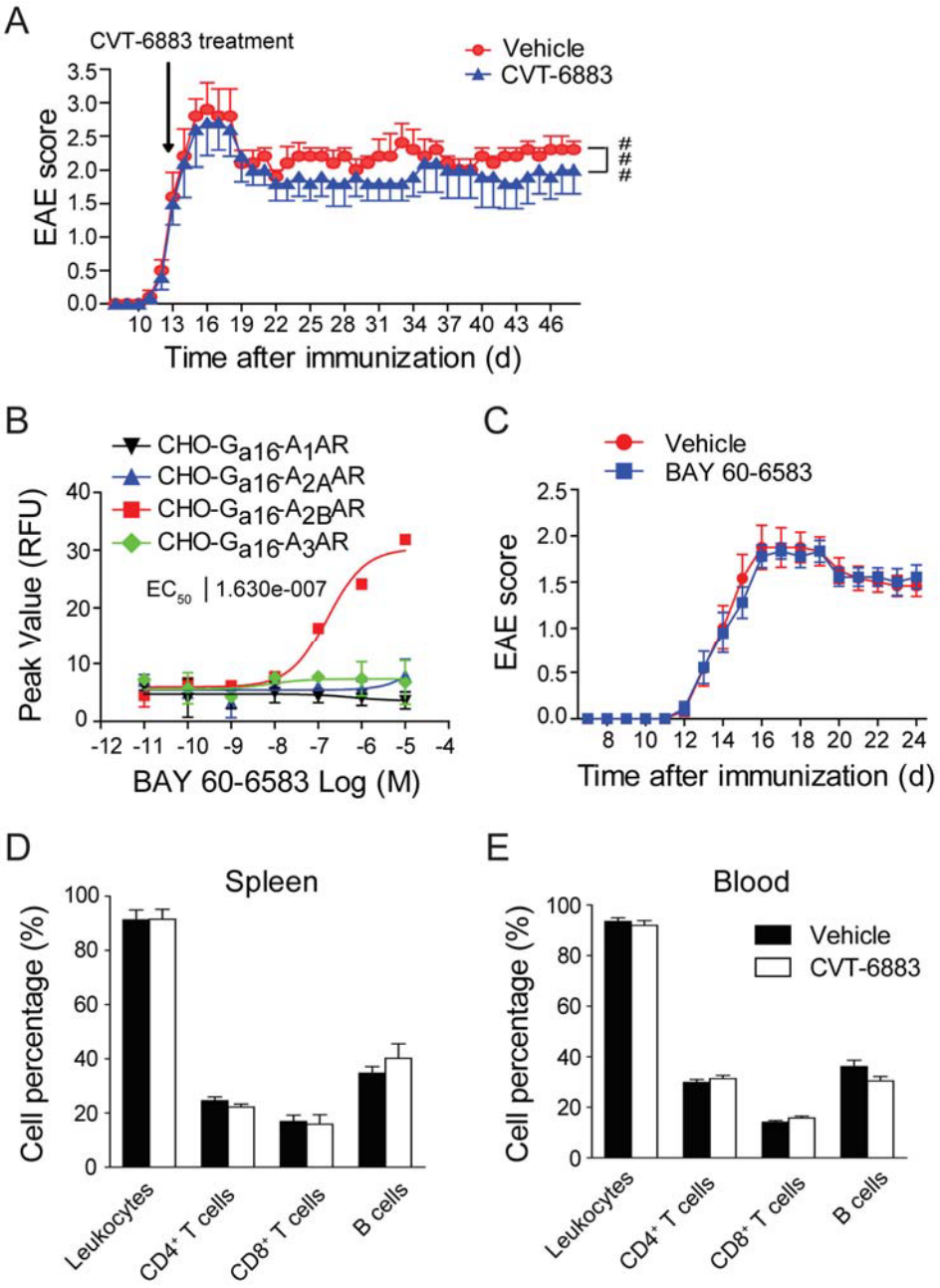
Supplementary Figure S1



(A) CVT-6883 (3 mg/kg) was given once daily via i.p. injection after the onset of EAE (Day 13 PI) till the end of the experiment (Day 48 PI) and clinical scores were collected every day. Data are mean ± SEM (n=5). $^{###}p < 0.001$ (two-way ANOVA test). (B) Calcium mobilization assay. Chinese hamster ovary (CHO) cells overexpressing $G_{\alpha 16}$ and four indicated adenosine receptors were loaded with fluo4-AM and stimulated with BAY 60-6583. Calcium responses were recorded. Data are mean ± SEM (n=3). (C) BAY 60-6583 (2 mg/kg) was given once daily via i.p. injection from Day 3 PI and clinical scores were collected every day. Data are mean ± SEM (Vehicle, n=12; BAY 60-6583, n=9). (D and E) Surface staining of $CD45^+$ cells (leukocytes), $CD4^+$ T cells, $CD8^+$ T cells and $B220^+$ cells (B cells) isolated from spleen (D) and blood (E) of EAE mice treated with vehicle or CVT-6883. Data represent mean ± SEM (n=6).

Supplementary Table S1

Real-time PCR primers.

Human	**Sense (5'-3')**	**Anti-sense (5'-3')**
Adora1	TGCGAGTTCGAGAAGGTCATC	GAGCTGCTTGCGGATTAGGTA
Adora2a	GCTGGGATCAAGGACAGGG	TCCCTTTAGAAGGAAAGGCAGT
Adora2b	TCTTCCTCGCCTGCTTCGT	TTATACCTGAGCGGGACACAGA
Adora3	TCTTTACCCACGCCTCCATC	CAATCCCACCAGGAATGACAC
β-actin	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT
Mouse	**Sense (5'-3')**	**Anti-sense (5'-3')**
Adora1	TCCTGGCTCTGCTTGCTATTG	GGCTATCCAGGCTTGTTCCAC
Adora2a	GTCCTCACGCAGAGTTCCATC	GAATGACAGCACCCAGCAAA
Adora2b	CCTCTTCCTCGCCTGCTTC	AACGGAGTCAATCCAATGCC
Adora3	CCGATACCTGCGGGTCAAG	GGAACGGAAGTGGCACAAA
Il17a	TTAACTCCCTTGGCGCAAAA	CTTTCCCTCCGCATTGACAC
Il17f	TGCTACTGTTGATGTTGGGAC	AATGCCCTGGTTTTGGTTGAA
Il22	GTGAGAAGCTAACGTCCATC	GTCTACCTCTGGTCTCATGG
Il23r	ACACTGGGAAGCCTACCTACA	AGCTTGGACCCATACCAAATACT
Ifng	ATGAACGCTACACACTGCATC	CCATCCTTTTGCCAGTTCCTC
Il10	GCTCTTACTGACTGGCATGAG	CGCAGCTCTAGGAGCATGTG
Il6	ACCACGGCCTTCCCTACTTC	GAATTGCCATTGCACAACTCTT
β-actin	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCATGTT