

Supplementary Table 1. Effect of 5B8 vs IgG2b on Maximum Clinical Score in EAE experiments.

	Maximum Clinical Score				
EAE experiment	IgG2b	5B8	P value	Type of test	Number of mice
PLP ₁₃₉₋₁₅₁	2.45	1.53	$P = 0.015$	Welch's t-test	IgG2b (n = 16) 5B8 (n = 16)
MOG ₃₅₋₅₅	2.58	1.00	$P = 0.018$	Welch's t-test	IgG2b (n = 11) 5B8 (n = 12)
Th1 adoptive EAE	3.68	2.64	$P = 0.005$	Welch's t-test	IgG2b (n = 15) 5B8 (n = 24)
PLP ₁₃₉₋₁₅₁ (Therapeutic treatment)	3.375	1.9	$P = 0.002$	Welch's t-test	IgG2b (n = 10) 5B8 (n = 10)

Table showing mean maximum clinical score of disease. Statistical analysis was done with two-tailed Welch's t-test.

Supplementary Table 2. Effect of 5B8 vs IgG2b on Day of Onset in EAE experiments.

	Day of Onset				
EAE experiments	IgG2b	5B8	P value	Type of test	Number of mice
PLP ₁₃₉₋₁₅₁	13	14.5	$P = 0.005$	Log-rank test	IgG2b (n = 16) 5B8 (n = 16)
MOG ₃₅₋₅₅	15.5	18	$P = 0.023$	Log-rank test	IgG2b (n = 11) 5B8 (n = 12)
Th1 adoptive EAE	9	11	$P = 0.014$	Log-rank test	IgG2b (n = 15) 5B8 (n = 24)

Table showing mean day of onset. Statistical analysis was done with two-tailed Welch's t-test.

Supplementary Table 3. Sequence of primers used for RT Quantitative PCR.

RT QPCR primers	Forward Primer	Reverse Primer
Ccl24	CTCCTTCTCCTGGTAGCCTGC	GTGATGAAGATGACCCCTGCCTT
Tnfsf18	CGAGTCCTGCATGGTTAA	TCAGCTTCCCATCAGATGTC
IL-12p40	TCCCCATTCTACTTCTCCCTC	GGAACGCACCTTCTGGTTACA
Cxcl3	CATCCAGAGCTTGACGGTGAC	CTTGGCGCTCTCAGTATCTCTT
IFN- γ	TCAAGTGGCATAGATGTGGAAGAA	TGGCTCTGCAGGATTTCATG
TNF- α	TCCCAGGTTCTCTCAAGGGA	GGTGAGGAGCACGTAGTCGG
IL-1 β	GCAACTGTTCTGAACCTCAACT	ATCTTTGGGTCCGTCAACT
Cxcl10	CCAAGTGCTGCCGTCAATTTC	GGCTCGCAGGGATGATTCAA
GAPDH	CAAGGCCGAGAATGGGAAG	GGCCTCACCCCCATTGATGT