

Supplemental Material to:

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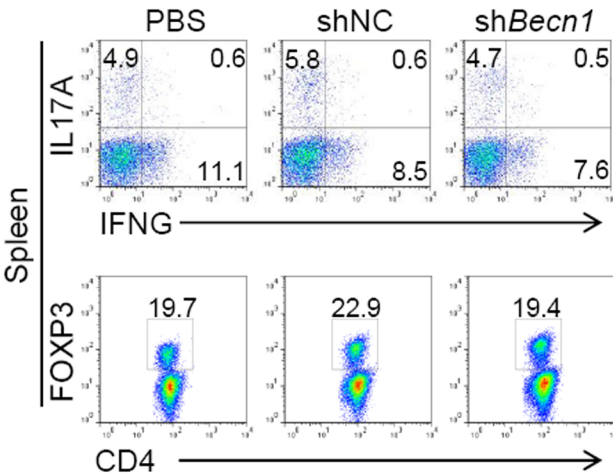
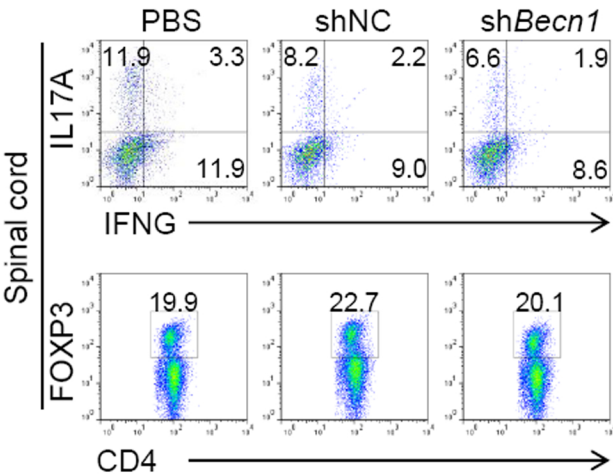
Autophagy regulates the therapeutic potential of mesenchymal stem cells in experimental autoimmune encephalomyelitis

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Supplemental Figure 1



Supplemental Figure 2

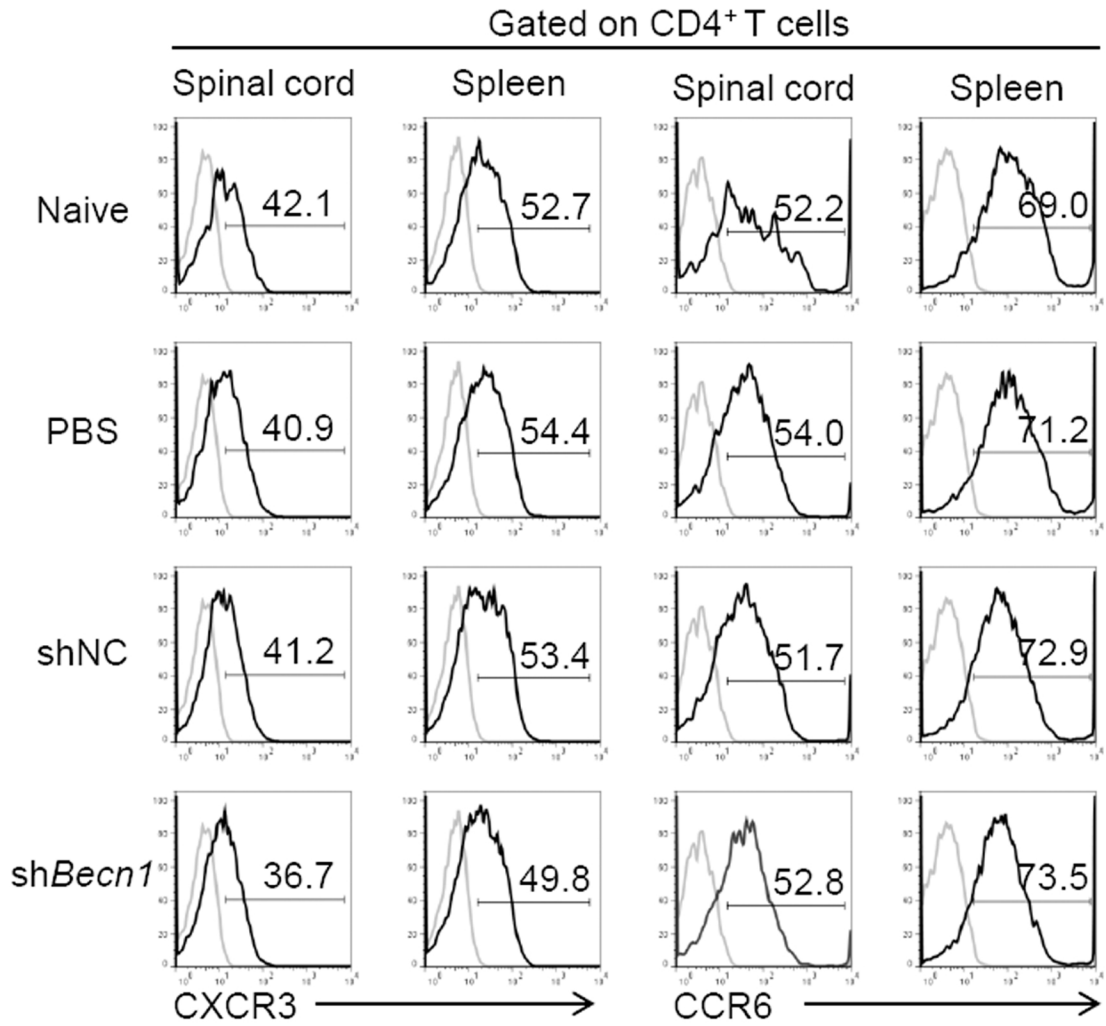


Figure S1. Frequencies of Th cells in shNC-MSC- or sh*Becn1*-MSC-treated EAE mice. Intracellular staining of IL17A, IFNG, and FOXP3 in CD4⁺ T cells derived from the spinal cords and spleens of PBS-, shNC-MSC- or sh*Becn1*-MSC-treated EAE mice.

Figure S2. Expression of CXCR3 and CCR6 on CD4⁺ T cells in shNC-MSC- or sh*Becn1*-MSC-treated EAE mice. The levels of CXCR3 and CCR6 on CD4⁺ T cells in shNC-MSC- or sh*Becn1*-MSC-treated EAE mice were measured by flow cytometry.

Supplemental Table 1: Quantitative real-time PCR primers

Genes		Sequence from 5' to 3' orientation	
<i>Becn1</i>	beclin 1	Forward	AGCTGGAGTTGGATGACGAAC
		Reverse	TGATTGTGCCAAACTGTCCG
<i>Atg5</i>	autophagy-related (gene) 5	Forward	GCTGCGGTTCACTCTGGTT
		Reverse	TCGGTCGGGTTCTGTCTGC
<i>Atg7</i>	autophagy-related (gene) 7	Forward	TGACGAGGAGACTGTCTGAAGC
		Reverse	CTGGTGAGATGGCACAGGAAA
<i>Ptgs2</i>	prostaglandin-endop eroxide synthase 2	Forward	GAAGTCTTTGGTCTGGTGCCT
		Reverse	TGCTCCTGCTTGAGTATGTCG
<i>Nos2</i>	nitric oxide synthase 2, inducible	Forward	TGGAGCGAGTTGTGGATTGT
		Reverse	GGGTCGTAATGTCCAGGAAGTA
<i>Tgfb1</i>	transforming growth factor, beta 1	Forward	CACTGATACGCCTGAGTG
		Reverse	GTGAGCGCTGAATCGAAA
<i>Il10</i>	interleukin 10	Forward	TACAGCCGGGAAGACAATAACT
		Reverse	CCTGCATTAAGGAGTCGGTTAG
<i>Tnf</i>	tumor necrosis factor	Forward	GGTCTGGGCCATAGAACTGA
		Reverse	CAGCCTCTTCTCATTCTCCTGC
<i>Ifng</i>	Interferon, gamma	Forward	TGAGCTCATTGAATGCTTGG
		Reverse	AGGCCATCAGCAACAACATA
<i>Il6</i>	interleukin 6	Forward	TGGTACTCCAGAAGACCAGAGG
		Reverse	AACGATGATGCACTTGCAGA
<i>Il17a</i>	interleukin 17a	Forward	CAAACACTGAGGCCAAGGAC
		Reverse	CGTGGAACGGTTGAGGTAGTC
<i>Cxcl9</i>	chemokine (C-X-C motif) ligand 9	Forward	TGCTACACTGAAGAACGGAGATC
		Reverse	CTTCCTTGAACGACGACGACT
<i>Cxcl10</i>	chemokine (C-X-C motif) ligand 10	Forward	GTAAGCTATGTGGAGGTGCG
		Reverse	GGAAGATGGTGGTTAAGTTTCG

<i>Cxcl11</i>	<i>chemokine (C-X-C motif) ligand 11</i>	Forward	AGGAAGGTCACAGCCATAGC
		Reverse	CGATCTCTGCCATTTTGACG
<i>Ccl20</i>	<i>chemokine (C-C motif) ligand 20</i>	Forward	GGAAGGAAGAGGCGTCTGTA
		Reverse	ACTCCTGGAGCTGAGAATGG
