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Supplemental Information

miR-23b Suppresses Leukocyte Migration and Pathogenesis of Experimental Autoimmune Encephalomyelitis by Targeting CCL7

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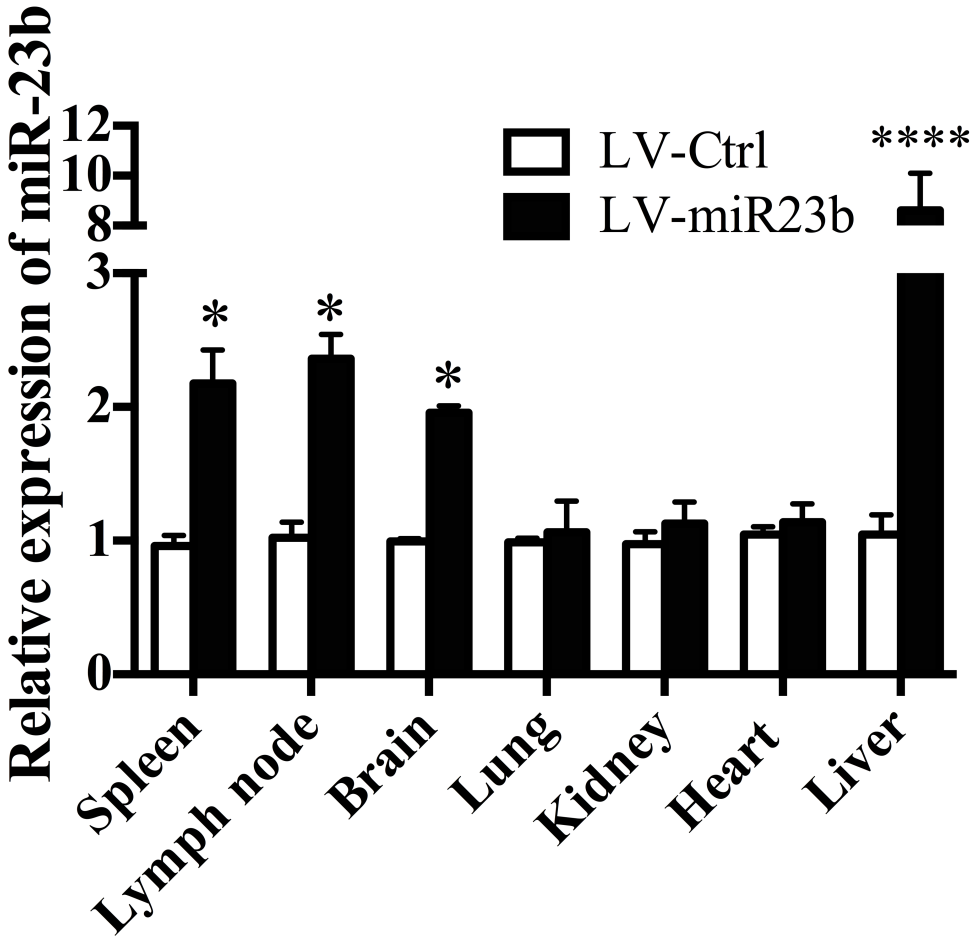
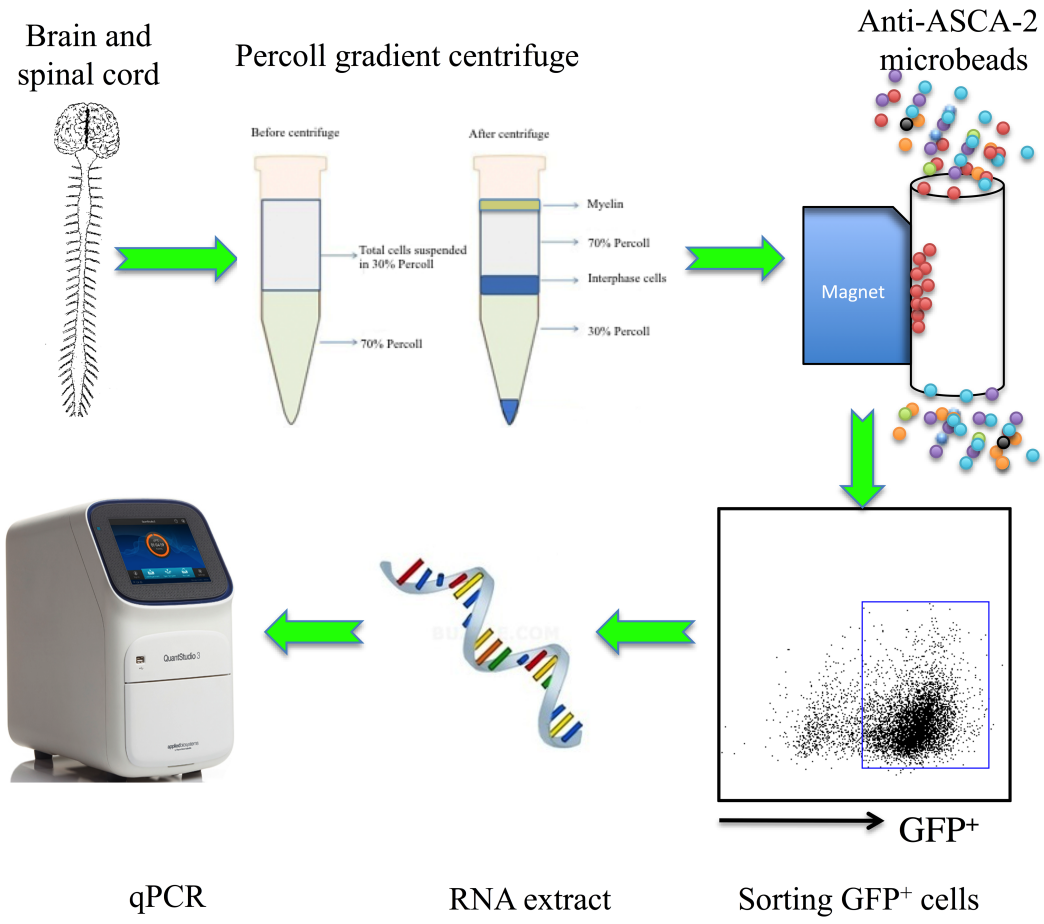
Supplementary Figure1



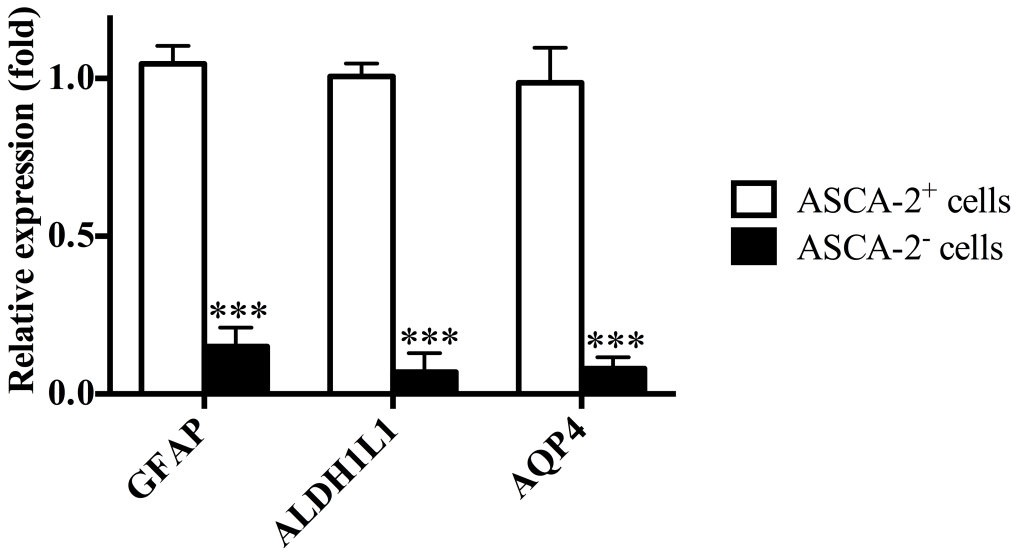
Supplementary Figure 1. qPCR analysis of miR-23b expression from spleen, lymph node, brain, lung, kidney, heart and liver of mice infected with LV-Ctrl and LV-miR23b after 5 d. Fold change are normalized to the average of LV-Ctrl-infected mice are presented relative to RNU6B. Lentivirus infected mice, n = 3. * $p < 0.05$; **** $p < 0.0001$.

Supplementary Figure2



Supplenmentary Figure 2. Flow chart of determines the CCL7 expression level from GFP^+ astrocytes.

Supplementary Figure3



Supplementary Figure 3. qPCR analysis of astrocytes isolated from brain and spinal cord tissue by anti-ASCA-2 microbeads. Data are ± SD (n=3) (Two-way ANOVA). ***p< 0.001.

Table S1. Primers used for pTRE3G-BI-copGFP/mCherry-CCL7UTR vector construction

Primer name	Sequences (5'-3')
GFP SalI F:	ACT GTC GAC ATG GAG AGC GAC GAG AGC GG
GFP BglII R:	CTT ATA GCT TTA GCG AGA TCC GGT GGA GC
mCherry EcoRI F:	ACT GAA TTC ATG GTG AGC AAG GGC GAG GA
mCherry XbaI R:	CTT TCT AGA TGG ACG AGC TGT ACA AGT AA
mCCL7 3'UTR BamHI F	ACT GGA TCC TGCCTGAACAGAAACCAACC
mCCL7 3'UTR NotI R	CTT GCG GCC GCT GAT TCT TGC AAA GTC CCT TCA

Table S2.

Gene	Primers	
	Sense (5'-3')	Anti-sense (5'-3')
CCR2	GCCATCATAAAGGAGCCATACC	TGTGGTGAATCCAATGCCCT
CCR5	CTGCTGCCTAAACCCTGTCA	TGCAAAAGCGTTTGACCATGT
CCR6	GCCCTGGAAAGCTGGGTAAA	GGCAGACACTCACAGTACCC
CCR7	GGAAACCCAGGAAAAACGTGC	TCCTTCTTGAAGCACACCGA
CXCR3	ACAACTGAGGCCTCCTACCT	ATGCTGAGCTGTCAGTGCAT
CCL2	CAGGTCCCTGTCATGCTTCT	GTGGGGCGTTAACTGCATCT
CCL3	GCTTCTCCTACAGCCGGAAG	AGGTCTCTTTGGAGTCAGCG
CCL4	CCCAGCTCTGTGCAAACCTA	CCATTGGTGCTGAGAACCCT
CCL5	GTGCCCACGTCAAGGAGTAT	TTCTCTGGGTTGGCACACAC
CCL7	CGCTGCTTTCAGCATCCAAG	CTTCCCAGGGACACCGACTA
CCL8	TCTACGCAGTGCTTCTTTGC	AGCAGGTGACTGGAGCCTTA
CCL9	GCCCAGATCACACATGCAAC	AGGACAGGCAGCAATCTGAA
CCL11	AGAGCTCCACAGCGCTTCTA	GGAAGTTGGGATGGAGCCTG
CCL19	GAAGACTGCTGCCTGTCTGT	GCCCCTTAGTGTGGTGAACA
CCL20	AGCAGCAAGCAACTACGACT	TGGATCAGCGCACACAGATT