

Supplementary material

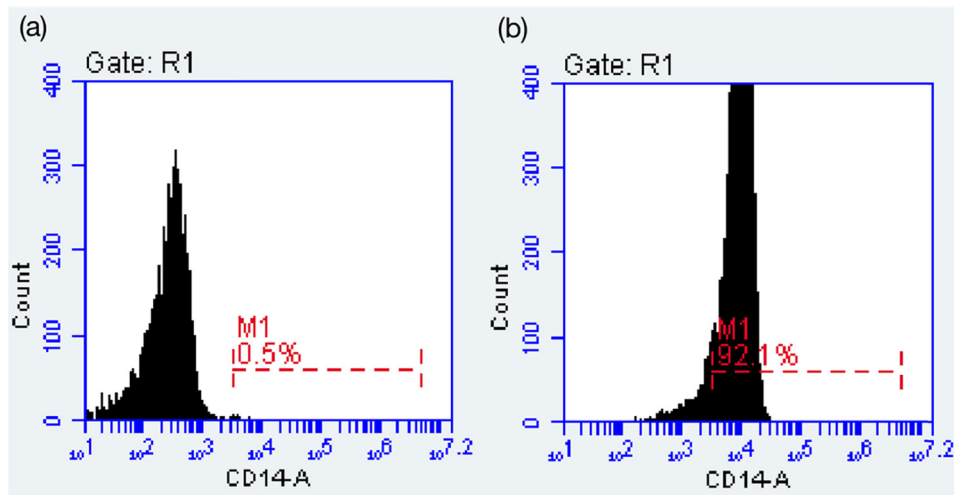


Figure S1: CD14⁺ cells isolation. (a) Flow analysis before sorting showed very little CD14⁺ cells. (b) The purity of CD14⁺ cells after sorting was up to 92.1%.

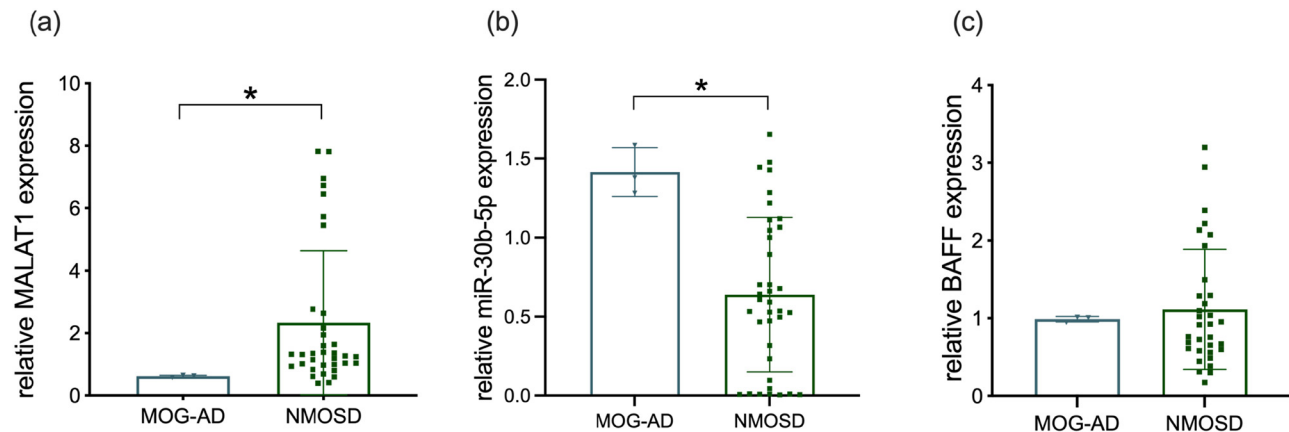


Figure S2: Expression of MALAT1, miR-30b-5p and BAFF in CD14⁺ monocytes of MOG-AD patients in qPCR assay, comparing with NMOSD patients. (a–c) $2^{-\Delta\Delta CT}$ values of MALAT1, miR-30b-5p and BAFF in CD14⁺ monocytes in MOG-AD group and NMOSD group, respectively (* $P < 0.05$, ** $P < 0.01$, **** $P < 0.0001$).

Table S1: The sequences of miR-30b-5p and miR-30b-5p-mut for Dual-Luciferase assay

NR_002819 (miR-30b-5p)	AGCCCATCAATTTAATTTCTGGTGGTGCAGAAGTTAGAAGGTAAAGCTTGAGAAGATGAGGGT GTTTAC GTAGACCAGAACCAATTTAGAAGAATACTTGAAGCTAGAAGGGGAAGTTGGTTAAAAATCACATCAAAAAGC TACTAAAAGGACTGGTGTTCCTTTCCCTTAGGTCTGTCTAGAATCCTAAAGGCAAATGACTCAAGGTGTAAC AGAAAAACAAGAAATCCAATATCAGGATAATCAGACCACCACAG GTTTAC AGTTTATAGAACTAGAGCAGTTCTCACGTTGAGGTCTGTGGAAGAGATGTCCATTGGAGAAATGGCTGGTA GTTACTCT
NR_002819 (miR-30b-5p)-mut	AGCCCATCAATTTAATTTCTGGTGGTGCAGAAGTTAGAAGGTAAAGCTTGAGAAGATGAGGG GTGGGCA GTAGACCAGAACCAATTTAGAAGAATACTTGAAGCTAGAAGGGGAAGTTGGTTAAAAATCACATCAAAAAGC TACTAAAAGGACTGGTGTTCCTTTCCCTTAGGTCTGTCTAGAATCCTAAAGGCAAATGACTCAAGGTGTAAC AGAAAAACAAGAAATCCAATATCAGGATAATCAGACCACCACAG TGGGCA AGTTTATAGAACTAGAGCAGTTCTCACGTTGAGGTCTGTGGAAGAGATGTCCATTGGAGAAATGGCTGGTA GTTACTCT

Table S2: Primer sequences for real-time PCR

	Forward primer	Reverse primer
MALAT1	AAAGCAAGGTCTCCCAACAAG	GGTCTGTGCTAGTCAAAAGGCA
miR-30b-5p	GCGCGTGTAACATCCTACAC	AGTGCAGGGTCCGAGGTATT
	GTCGTATCCAGTGCAGGGTCCGAGGTATTGCACTGGATACGACAGCTGA	
BAFF	TGAAACACCAACTATACAAAAG	TCAATTCATCCCCAAAGACAT
β -actin	CTGGGACGACATGGAGAAA	AAGGAAGGCTGGAAGAGTGC
U6	AGAGAAGATTAGCATGGCCCTG	CAGTGCAGGGTCCGAGGT
	GTCGTATCCAGTGCAGGGTCCGAGGTATTGCACTGGATACGACAAAATA	