

Table SI. Antibodies used in immunofluorescence.

Target	Dilution	Product number	Company
IBA1	1:500	ab5076	Abcam
CD31	1:200	ab28364	Abcam
NeuN	1:500	94403S	Cell Signaling Technology, Inc.
MBP	1:500	ab209328	Abcam
CD86	1:50	ab239075	Abcam
CD206	1:100	ab64693	Abcam

IBA1, ionized calcium binding adaptor protein 1; NeuN, neuronal nuclei; MBP, myelin basic protein.

Table SII. Enzyme-linked immunosorbent assay kits.

Target	Product number	Company
TNF- $\alpha$	E-EL-M3063	ElabscienceBionovation Inc.
IL-6	E-EL-M0044	ElabscienceBionovation Inc.
IL-1 $\beta$	E-EL-M0037	ElabscienceBionovation Inc.
IFN- $\gamma$	E-EL-M0048	ElabscienceBionovation Inc.
CXCL10	E-EL-M0021	ElabscienceBionovation Inc.

TNF- $\alpha$ , tumor necrosis factor- $\alpha$ ; IL, interleukin; IFN- $\gamma$ , interferon- $\gamma$ ;  
CXCL10, C-X-C motif chemokine ligand 10.

Table SIII. Mouse primer sequences.

Target	Sequence
<i>Gapdh</i>	F: CAGTGGCAAAGTGGAGATTGTTG R: TCGCTCCTGGAAGATGGTGAT
<i>Cd163</i>	F: GTTTGTGGAGCCATTCTATTGG R: GGAAACTGTAAGTCGCTGAATC
<i>Cd86</i>	F: ACGGAGTCAATGAAGATTTCCT R: GATTCGGCTTCTTGTGACATAC
<i>Pdl1</i>	F: TGAGCAAGTGATTCACTTTGTG R: CATTTCCTTCAAAGCTGGTC
<i>Vegf</i>	F: TAGAGTACATCTTCAAGCCGTC R: CTTTCTTTGGTCTGCATTCACA
<i>Cd80</i>	F: CAACTGTCCAAGTCAGTGAAAG R: CACCACTTTGTCATGTTTTTGC
<i>Il-18</i>	F: AGACCTGGAATCAGACAACTTT R: TCAGTCATATCCTCGAACACAG
<i>Inos</i>	F: TTTGCTCATGACATCGACCAGAA R: CGTTTCGGGATCTGAATGTGATG
<i>Il-1<math>\beta</math></i>	F: TGCAAGTGTCTGAAGCAGCTATG R: TAGCCACTGAAGGAGATGAGTTG
<i>Tnf-<math>\alpha</math></i>	F: ATGTCTCAGCCTCTTCTCATTC R: GCTTGTCACTCGAATTTTGAGA
<i>Il-6</i>	F: CTCCAACAGACCTGTCTATAC R: CCATTGCACAACCTTTTTCTCA
<i>Cox-2</i>	F: ATTCCAAACCAGCAGACTCATA R: CTTGAGTTTGAAGTGGTAACCG
<i>Arg1</i>	F: CATATCTGCCAAAGACATCGTG R: GACATCAAAGCTCAGGTGAATC
<i>Il-10</i>	F: TTCTTTCAAACAAAGGACCAGC R: GCAACCCAAGTAACCCTTAAAG
<i>Cd206</i>	F: CCTATGAAAATTGGGCTTACGG R: CTGACAAATCCAGTTGTTGAGG
<i>Cxcl10</i>	F: CAACTGCATCCATATCGATGAC R: GATTCCGGATTCAGACATCTCT
<i>Ifn-<math>\gamma</math></i>	F: CTTGAAAGACAATCAGGCCATC R: CTTGGCAATACTCATGAATGCA
<i>Tlr3</i>	F: GTGAGATAACAACGTAGCTGACTG R: TCCTGCATCCAAGATAGCAAGT

F, forward; R, reverse; IL, interleukin; iNOS, inducible nitric oxide synthase; TNF- $\alpha$ , tumor necrosis factor- $\alpha$ ; ARG1, arginase 1; CXCL10, C-X-C motif chemokine ligand 10; IFN, interferon.

Table SIV. Antibodies used in western blotting.

Target	Dilution	Product number	Company
GAPDH	1:30,000	60004-1-Ig	Proteintech Group, Inc.
AQP1	1:1,000	ab65837	Abcam
iNOS	1:1,000	18985-1-AP	Proteintech Group, Inc.
ARG-1	1:1,000	16001-1-AP	Proteintech Group, Inc.
p65	1:400	ab7970	Abcam
p-p65	1:1,000	AP1294	ABclonal Biotech Co., Ltd.
I $\kappa$ K $\beta$	1:1,000	2370	Cell Signaling Technology, Inc.
p-I $\kappa$ K $\alpha/\beta$	1:1,000	2078	Cell Signaling Technology, Inc.
I $\kappa$ B $\alpha$	1:1,000	10268-1	Proteintech Group, Inc.
p-I $\kappa$ B $\alpha$	1:1,000	2859	Cell Signaling Technology, Inc.
Occludin	1:1,000	33-1500	Thermo Fisher Scientific, Inc.
ZO-1	1:5,000	21773-1-AP	Proteintech Group, Inc.
PI3K	1:1,000	4249	Cell Signaling Technology, Inc.
p-PI3K	1:1,000	HY-P81211	MedChemExpress
ERK	1:1,000	4695	Cell Signaling Technology, Inc.
p-ERK	1:1,000	4370	Cell Signaling Technology, Inc.
AKT	1:1,000	9272	Cell Signaling Technology, Inc.
STAT1	1:1,000	9172	Cell Signaling Technology, Inc.
p-STAT1	1:1,000	9167	Cell Signaling Technology, Inc.
STAT3	1:1,000	A16975	ABclonal Biotech Co., Ltd.
p-STAT3	1:1,000	AP0474	ABclonal Biotech Co., Ltd.
OAS1	1:1,000	14498	Cell Signaling Technology, Inc.
IFIT1	1:1,000	14769	Cell Signaling Technology, Inc.

AQP1, aquaporin 1; p-, phosphorylated; ZO-1, zonula occludens-1; PI3K, phosphoinositide 3-kinase; ERK, extracellular signal-regulated kinase; AKT, protein kinase B; STAT, signal transducer and activator of transcription; OAS1, 2',5'-oligoadenylate synthetase 1; IFIT1, interferon-inducible protein 1.