## **Supplementary Figures**



**Figure S1. Effects of MSCs on IgG production by B cells and IFN-γ production by T cells.** (A–B) mMSCs (1 × 10<sup>4</sup> cells/well) and MRL.*Fas*<sup>lpr</sup> mB cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (A). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hB cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (B). B cells were activated with anti-CD40 antibody (5 µg/mL), IL-4 (50 ng/mL), and IL-21 (50 ng/mL), and IgG production was measured by ELISA. (C–D) mMSCs (1 × 10<sup>4</sup> cells/well) and MRL.*Fas*<sup>lpr</sup> mT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h (C). hMSCs or PMA-hMSCs (1 × 10<sup>3</sup> cells/well) and hT cells (1 × 10<sup>5</sup> cells/well) were cultured for 72 h. T cells were activated with anti-CD3 antibody (2 µg/mL) and anti-CD28 antibody (2 µg/mL), and IFN-γ production was measured by ELISA. \*p < 0.01 (n = 3).



Figure S2. Effects of PMA on phenotypes, viability, and proliferation of hMSCs, and cytokine production by hMSCs. hMSCs were treated with PMA (10 ng/mL) for 24 h and then washed three times with medium. (A) Expression of CD34, HLA-DR, CD73, CD90, and CD105 was determined by flow cytometry. (B) MSCs were stained with propidium iodide (1  $\mu$ g/mL) and viability was determined by flow cytometry. (C) MSC proliferation was measured by mitogen assay. (D) Gene expression of cytokines was assessed by RT-PCR (n = 3).



**Figure S3. PKC activation in PMA-hMSCs. (A)** hMSCs were treated with PMA (10 ng/mL) for 1 to 24 h. Expression levels of PKC- $\alpha$  and - $\delta$  were assessed by western blotting. **(B–C)** hMSCs were treated with PMA (10 ng/mL) for 24 h, washed three times with medium, and further cultured with the fresh medium. Expression levels of PKC- $\alpha$  and - $\delta$  were assessed by western blotting (B). Expression levels of PD-L1 were assessed by RT-PCR (C).

## **Supplementary Movies**

**Movie S1. mB cell migration to mMSCs.** mMSCs in the left chamber and mB cells in the right chamber of a culture dish were imaged every 2 min for 12 h. Related to Figure 2G.

**Movie S2. hB cell migration to PMA-hMSCs.** PMA-hMSCs in the left chamber and hB cells in the right chamber of a culture dish were imaged every 2 min for 12 h. Related to Figure 4D.

**Movie S3. Contact between hB cells and PMA-hMSCs.** PMA-hMSCs and hB cells were imaged every 5 min for 24 h. Apoptotic hB cells were detected with CellEvent Caspase-3/7 Green ReadyProbes Reagent. Related to Figure 5F.

## Supplementary Tables

Code	Chemical	Concentration	Inhibition (%) <sup>a</sup>
1	Tumor necrosis factor-alpha	100 ng/mL	16
2	Cobalt chloride	500 μM	0
3	Interleukin-1beta	100 ng/mL	0
4	Lipopolysaccharide	1 µg/mL	2
5	Oligodeoxynucleotide	10 µg/mL	3
6	Ascorbic acid	50 µM	17
7	Interferon-gamma	10 ng/mL	83
8	Phorbol 12-myristate 13-acetate	10 ng/mL	55
9	Phorbol 12,13-dibutyrate	1 µg/mL	70
10	Forskolin	100 µg/mL	15
11	Ingenol-3-angelate	10 µg/mL	64
12	Esulone L1	1 µg/mL	0
13	Esulone L2	1 µg/mL	10
14	Kansuinine A	1 µg/mL	15
15	Kansuinine B	1 µg/mL	28
16	Kansuinine D	1 µg/mL	28
17	Kansuinine E	1 µg/mL	2
18	Esulone A	1 µg/mL	2
19	Ingenol	1 µg/mL	2
20	20-Acetylingenol	1 µg/mL	2
21	Kansuiphorin C	1 µg/mL	0
22	3-O-Benzoyl-20-deoxyingenol	1 µg/mL	6
23	5-O-Benzoyl-20-deoxyingenol	1 µg/mL	11
24	3-O-(2'E,4'Z-Decadienoyl)-20-deoxyingenol	1 µg/mL	19
25	3-O-(2'E,4'Z-Decadienoyl)-20-acetylingenol	1 µg/mL	26
26	3-O-(2'E,4'E-Decadienoyl)-20-acetylingenol	1 µg/mL	34
27	5-O-(2'E,4'Z-Decadienoyl)-20-acetylingenol	1 μg/mL	19
28	5-O-(2'E,4'E-Decadienoyl)-20-acetylingenol	1 μg/mL	37
29	Scopoletin	1 µg/mL	0
30	Kansenonol	1 μg/mL	0
31	Fischeliolide A	1 μg/mL	0
32	Fischeliolide B	$1 \mu g/mL$	0
33	Fischeliolide C	$1 \mu g/mL$	0
34	Fischeliolide D	1 μg/mL	0

Table S1. Chemical screening to activate hMSCs to inhibit IgM production by hB cells

35	Ent-11 $\alpha$ -Hydroxyabieta-8(14),13(15)-dien- 16 12 $\alpha$ -olide	1 µg/mL	0
36	$11\beta$ -Hydroxy-8,14,epoxy-ent-abieta-13(15)-	1 μg/mL	0
37	Jolkinolide B	1 μg/mL	0
38	Yuexiandajisu D	1 µg/mL	0
39	Yuexiandajisu E	1 µg/mL	0
40	Ebractenoid B	1 μg/mL	0
41	Ebractenoid F	1 µg/mL	0
42	Ebractenoid H	1 µg/mL	3
43	Antiquorin	1 µg/mL	12
44	Ebracteolata compound B	1 µg/mL	9
45	6-O-Methylphloroacetophenone	1 µg/mL	3
46	Euphorbia factor L27	1 µg/mL	3
47	Euphorbia factor L28	1 µg/mL	5
48	Epoxyboetirane A	1 µg/mL	12
49	Euphorbia factor L1	1 µg/mL	2
50	Deoxy Euphorbia factor L1	1 μg/mL	0
51	Euphorbia factor L2	1 µg/mL	0
52	Euphorbia factor L3	1 µg/mL	0
53	Euphorbia factor L7a	1 µg/mL	6
54	Euphorbia factor L7b	1 µg/mL	6
55	Euphorbia factor L8	1 µg/mL	14
56	Euphorbia factor L9	1 µg/mL	11
57	Euphorbia factor L17	1 µg/mL	0
58	Euphorbia factor L22	1 µg/mL	0
59	Euphorbia factor L23	1 µg/mL	0
60	Euphorbia factor L24	1 µg/mL	0
61	Euphorbia factor L25	1 µg/mL	0
62	Jolkinol A	1 µg/mL	0
63	Jolkinol-5β,6β-oxide-3-nicotinyl-15-acetyl ester	1 μg/mL	0
64	20-Deoxyingenol	1 μg/mL	0
65	Aurantiamide	1 μg/mL	0
66	Aurantiamide acetate	1 μg/mL	0

hMSCs were treated with chemicals for 24 h, washed three times with medium, and cultured with hB cells for 72 h. CpG-oligodeoxynucleotide (5  $\mu$ g/mL) was added to the culture of hB cells alone or to the co-culture of hB cells and hMSCs. The levels of IgM were determined by ELISA.

<sup>a</sup> Inhibition (%) =  $100 \times (1 - B/A)$ .

Chemokine or receptor ligand	Sequences	GenBank accession number
Mouse CCL2	5'-GCUAAUGCAUCCACUACCUdTdT-3' 5'-UGAAGCUAAUGCAUCCACUdTdT-3' 5'-CACAACCACCUCAAGCACUdTdT-3'	NM 011333.1
Mouse CXCL12	5'-CUCCAAACUGUGCCCUUCAdTdT-3' 5'-CUGCAUCAGUGACGGUAA AdTdT-3' 5'-CAACGUCAAGCAUCUGAAAdTdT-3'	NM 001012477.1
Human CCL2	5'-CUCCGAAGACUUGAACACUdTdT-3' 5'-GCUCGCGAGCUAUAGAAGAdTdT-3' 5'-CUCACUCCACAACCCAAGAdTdT-3'	NM 002982.3
Human CXCL10	5'-GGUCACCAAAUCAGCUGCUdTdT-3' 5'-GAGAUCAUUGCUACAAUGAdTdT-3' 5'-CAUGAAUCAAACUGCCAUUdTdT-3'	NM 001565.3
Human CXCL12	5'-GAUUCUUCGAAAGCCAUGUdTdT-3' 5'-CCAGAGCCAACGUCAAGCAdTdT-3' 5'-CAACAGACAAGUGUGCAUUdTdT-3'	NM 000609.7
Human PD-L1	5'-CAGCAUUGGAACUUCUGAUdTdT-3' 5'-GAAUCAACACAACAACUAAdTdT-3' 5'-CUGACAUUCAUCUUCCGUUdTdT-3'	NM 001267706.1
Human FasL	5'-UCUUACCAGUGCUGAUCAUdTdT-3' 5'-CUCAGACGUUUUUCGGCUUdTdT-3' 5'-CUGAGCCACAAGGUCUACAdTdT-3'	NM 000639.2
Negative-control siRNA	5'-CCUACGCCACCAAUUUCGUdTdT-3'	

Table S2. siRNA sequences

ModeSequencesCCL2sense, 5'-GGAGAGACTATCAAGATAGT-3' antisense, 5'-ATGGTCAGTAGACTTTTACA-3'CCL3sense, 5'-CCCATGAGTAGGCTGGAGA-3' antisense, 5'-GAACTGCCTTTGCTTTGC-3'CCL4sense, 5'-GCTAGACCCTCCACACCA-3'antisense, 5'-GCCAATGACTTCCTGCTGCTTCT-3'CCL5sense, 5'-CCCATCTCCTGCTGCTCT-3' antisense, 5'-GCCAAGACCACACTAGGC-3' antisense, 5'-CCCCATCCCCCTTAGAA-3' antisense, 5'-TCTCCTCCTCCCCCTTAGAA-3' antisense, 5'-TGGCTGATCTGCAAGACAACTAGGC-3'CCL19sense, 5'-TCTCCTCCCTCCCCTTAGAA-3' antisense, 5'-GGCTGATCTGCAAGAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAATG-3'CXCL10sense, 5'-GGCTGATCTGCAAGAAATG-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL11sense, 5'-GGATGGCTGTCCTAGCTCTG-3' antisense, 5'-GAGCTCTCCCAATGCTCTA-3' antisense, 5'-GAGTCTCTCATGCCCATTGTCA-3' antisense, 5'-GAGTCTGCTGTGGAGCATTGTCA-3' antisense, 5'-GGCTGATCTGCTCTGGTGAAGG-3'CCR2sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GGCTGAAGACGCTGTATAAAGG-3'CXCR4sense, 5'-GCTGAAGACGCTGTATAATGA-3' antisense, 5'-GGCTGTCAAGGCTTCGGCAGCAGC-3' antisense, 5'-GGTGAAGGCTTGCAAGGCTTGGCATTGAC-3' antisense, 5'-GGTGAAGGCTGACAGGATGTAGAAT-3' antisense, 5'-GGTCAGTGGAACTCCAAGCAAT-3' antisense, 5'-GGTGAAGGTTGACAGGCTTGGACAT-3' antisense, 5'-GGTCATGTGAAGCTGCAAGACAACA-3' antisense, 5'-GGTCATGTGAAGCTGCAAGCAACA-3' antisense, 5'-GGCTGTCATGTCATGACAGACAAC-3' antisense, 5'-GGCTGTCATGTCATGAGCATGTACAGAC-3' antisense, 5'-GGCTGACTGAACAGACAACA-3' antisense, 5'-GGCTGACTGGACTGCAAGCAGAC-3' antisense, 5'-GGCATGGACTCCAAGACAGAC-3' antisense, 5'-GGCATGGACTCCAAGACAGAC-3' antisense, 5'-GGCCATGGACTCCAAGACACA-3' antisense, 5'-GGCCATGGACTCCAAGACACA-3' antisense	Mouse	
CCL2Selise, 3'-OMAGAGE INTEGACITITACA3' antisense, 5'-ATGGCCATAGACTTITACA3'CCL3sense, 5'-CCCAATGACTGGAGCTGGAGA-3' antisense, 5'-GAACTGCCTTTGCCTTCTG-3'CCL4sense, 5'-TCAGCGCCATGTGAGTCTAC-3' antisense, 5'-GCCAAGAGCAACAACTAGGC-3' antisense, 5'-GCCCAATGACCTCACTGTTCTC-3' cCL19CCL5sense, 5'-CCCCATGACCTCCACTGTTCTC-3' antisense, 5'-GCCCAAGAGCAACAACTAGGC-3' antisense, 5'-GCCCAAGAGCAACAACTAGGC-3' antisense, 5'-GCCCAAGAGCAACAACTAGGC-3' cCCL9CXCL9sense, 5'-GCCCAAGAGCAACAACTAGGC-3' antisense, 5'-CGCCTCCCCTCCCCTTAGAA-3' antisense, 5'-GGCTGATCTGCAAGACAC-3' antisense, 5'-GGCTGATCTGCAAGAACA-3' antisense, 5'-GGCTGATCTGCAAGACTG-3'CXCL11sense, 5'-GGCTGTCTAGCTCTG-3' antisense, 5'-GAGCTGTCCTAGCTGTCA-3' antisense, 5'-GAGCTGTCTGGGAAGATGG-3'CXCL12sense, 5'-GAGCTGTCTGGGAAGATGG-3'CXCL12sense, 5'-GACTCTCCCAATGCCTGTCA-3' antisense, 5'-GACTCTGCTCGTGGGAAGG-3'CCR2sense, 5'-GCTGAGAGCCTGTTCTCCCA-3' antisense, 5'-GGCCATGGTCCTAGTCTCCC-3 antisense, 5'-GGCGACTGCATGTATAAGG-3'CXCR4sense, 5'-GGCTGATGAAGCGTGATGATA-3' antisense, 5'-GGCTGAAGAGCGTGATGATA-3' antisense, 5'-GGCTGTAGAGCCTCGTGGGCTATGG-3'IL-18sense, 5'-GGCTGTAGAGCCTGGTGCGC-3' antisense, 5'-GGCTGTGGAATCCAAGCAATG-3' antisense, 5'-GGCTGTAGAGCGCATGTACGA-3' antisense, 5'-GGCTGTAGAGCCAGGCATGTAC-3' antisense, 5'-GGCTGTAGAGCAGGTGTGC-3' antisense, 5'-GGCTGAGGAGCTGCAAGCAATG-3' antisense, 5'-GGCTCATGTCCAGGAGTGTACCAGACAG-3' antisense, 5'-GGCCACTGGACTGCAAGCAATG-3' antisense, 5'-GGCCACTGGACTCCAAGCAAGC-3' antisense, 5'-GGCCACTGGACTCCAAGCAAGC-3' antisense, 5'-AGCGGCTAGACAGACTGCAGACGACGATGAGACGA' antisense, 5'-AGCGGCTGACTGCCAGCACGATGAGCAG' antisense, 5'-GGCCACTGGACTCCAAGCAGAC-3' antisense, 5'	CCI 2	Source 5' CCACACACTATCAACATACT 2'
antisense, 5'-ACGATAGATAGCTGAGAGA-3' antisense, 5'-GCAATGAGTAGGCTGAGACTG'CCL4sense, 5'-CCCAATGAGTAGGCTGAGCTGAGCTAC-3' antisense, 5'-CCCATGAGCCTCCCACACA-3'CCL5sense, 5'-CCCAATGACTGCTCCCACCACA-3'CCL9sense, 5'-CCCAATGACTCACTGTCT-3' antisense, 5'-ACTCCCCCCTCCCCTTAGAA-3' antisense, 5'-ATTTGGAACCCAGCATTGAG-3'CCL9sense, 5'-CCCAAGAGCACAACTAGGC-3' antisense, 5'-ATTCGCACCCACGCATTGAGA-3' antisense, 5'-CCGCTTATTTGGAACCCAGCATTGAG-3'CXCL9sense, 5'-CCGCATGACTCGCAGAAAACA-3' antisense, 5'-CGGCTGATCTGCAAGAACA-3' antisense, 5'-CGGCTGATCTGCAAGAAGAGG-3'CXCL10sense, 5'-CGGATGGCTGTCCTAGCTGGGAAGATGG-3'CXCL11sense, 5'-GGCTGATCTGCAAGAGAGG-3'CXCL12sense, 5'-GAGTCCCCATTGCCAGGAAACG-3' antisense, 5'-GGCTGATCTGCTGGTGGAAGATGG-3'CCR2sense, 5'-GCTCATGCCCCATTCTCCC-3 antisense, 5'-GGCTGATGCCTGATCTGCTGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GGCTGAAGACTGGACTGATA-3' antisense, 5'-GGCTGAAGACTGCATGATA-3' antisense, 5'-GGCTGAAGACTGCATGATA-3' antisense, 5'-GGCTGAAGACTGCATGATA-3' antisense, 5'-GGCTGAAGACTGCATGATA-3' antisense, 5'-GGCTGAAGACCTGCAGACCCA-3'CN2sense, 5'-CTCTCCGAAGTTCTGGCAGCACGACG-3' antisense, 5'-GGCTGAAGACTGCATGATAATGA-3'IL-12sense, 5'-GGCTGTGAAGACCTGCAGGCACG-3' antisense, 5'-GGCTCATGTCATGGAGTGTGC-3' antisense, 5'-GGCTCATGTCATGGAGTGTGC-3' antisense, 5'-GGCTCATGTCATGGAGTGTGCA-3' antisense, 5'-GGCTCATGTCATGGAGTGTGC-3' antisense, 5'-GGCTCATGTCCAGGAGTGTGCA-3' antisense, 5'-GGCTCATGTACCAGACGAGACG-3' antisense, 5'-GGCTCATGTCCAGGAGTGTCCAGAACAC-3' antisense, 5'-GGCCATGGACTCCAAGACAG-3' antisense, 5'-GGCTACATGTCCAAGACAGAC-3' antisense, 5'-GGCCATGGACTCCAAGACAGAC-3' antisense, 5'-GGCCATG	CCL2	sellse, $5 - OUAUAUAUIAICAAUAIAUI-5$
CCL3Selise, 3-CCCAATGAACTGCTTGCTTGTG-3' antisense, 5'-GAACTGCCTTTGCCTTGCAC-3' antisense, 5'-CCCATGACCTCCCCACCA-3'CCL4sense, 5'-CCCACTGCTGTTGCCTTGCAC-3' antisense, 5'-CCCCATGACCTCCACGACA-3'CCL5sense, 5'-CCCCATGACCTCCACTGTTCTC-3' antisense, 5'-CCCCATGACCTCACTGTCT-3' antisense, 5'-CCCCATGACCTCCCTTGGAA-3' antisense, 5'-CGCCTAGACCACAACACTAGGC-3'CXCL9sense, 5'-CGCCTCCCTCCCCCCTTGGAA-3' antisense, 5'-CGGCTGTATTGGAAGCACAACAACA-3' antisense, 5'-CGGCTGACTGCAAGAAACA-3' antisense, 5'-CGGCTGATCTGCAAGAAAACA-3' antisense, 5'-CAGCAAGAGTGCCAGAAAACA-3' antisense, 5'-CAGTCGCACTGGCAGCAGAAAACA-3' antisense, 5'-GAGTGCTCAATGCCTGGTGCA-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGGTGCA-3' antisense, 5'-GAGCTCTCGGCGACCTGTCCA-3' antisense, 5'-GAGCTCTCGCTGGTGGAAGG-3'CCR2sense, 5'-GCTCATGCCCCATTCTCCC-3 antisense, 5'-GAGCTCTGGTGGAAGG-3'CCR5sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GGCTGATGAACA-3' antisense, 5'-GGCTGTGCAAGCTGATTAAAGG-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GGCTGTCAGAGCCAGGGCTGAGCG-3' antisense, 5'-GGCTGTAGAGCGAGCATGTAGAC-3' antisense, 5'-GGCTGTAGAGCGAGCATGTAGAC-3' antisense, 5'-GGCTGTAGAGCGAGCATGTAGAC-3' antisense, 5'-GGCTGTAGAGCGAGCATGTAGAC-3' antisense, 5'-GGCTGACTGACAGAGCAGCAG-3' antisense, 5'-GGCTGACTGACAGAGCAGCAGC-3' antisense, 5'-GGCTGACTGACTGACAGGCAGCAGC-3' antisense, 5'-GAGTCATGTACCAGGCAGCAGC-3' antisense, 5'-GGCTGACTGAACCAGGAGGAGGGCCCCAGACAG-3' antisense, 5'-GGCTCACTGGAGTGGAGCAGC-3' antisense, 5'-GGCTCACTGGAGTGACCAGAGCAGC-3' antisense, 5'-GGCATGCACTGAACCAGCAGCAGC-3' antisense, 5'-GGCACTGACTGAACCAGCAGC-3' antisense, 5'-GGCACTGGCATCCAAGAGCAGC-3' antisense, 5'-GGCACTGGACTCCAAGACCAGCAGC-3' antisense, 5'-GGCACTGGCACTGAACCAGCAGCAGCAGCAGC-3' antisense, 5'-GGCACTGGCA	CCI 2	antisense, $5 - ATOOTCAOTAOACTTTTACA-3$
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	CCLS	sellse, 5 - CCCAATGAGTAGGCTGGAGA-5
CCL4sense, 5'-GGTTAGACCOCATGTAGACACCA-3' antisense, 5'-CCCACTTCCTGCCTTCCAACACACACACACACACACACAC	CCI 4	antisense, $5 - GAACIGUUIIIGUUIIUIIG-5$
antisense, 5-GGTTAGACCCTICTTCACACAACTAGCCL5sense, 5'-CCCACTGCTGTTTCC-3' antisense, 5'-GCCAAGAGCAACAACTAGGC-3'CCL19sense, 5'-GCCAAGAGCAACAACTAGGC-3' antisense, 5'-CCCCTCCCCTTAGAA-3' antisense, 5'-CGGCTTTATTGGAACCCAGCATGAG-3'CXCL0sense, 5'-CGGCTTATTGGAAGCTCTG-3'CXCL10sense, 5'-CAGCAAGATGCCAGAAAACA-3' antisense, 5'-ATAACCCCTTGGAAGAATG-3'CXCL11sense, 5'-CAGCATGACTGCCAGAAAACA-3' antisense, 5'-ATAACCCCTTGGGAAGATG-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-ATAACCCCTTGGGAAGATGC-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'CCR2sense, 5'-GACTCTGCTCGTTGGGAAGC-3'CCR5sense, 5'-GACTCTGCTCAGTTCTCCC-3 antisense, 5'-GAGCTGCATGCACTGATTAAAGG-3'CXCR4sense, 5'-GCTGAAGAGCGTGACAGCATGAACA-3' antisense, 5'-GGCTGTAAGAGCGTGACAGCATGCAAGAC-3' antisense, 5'-GGCTGTAGAGCGTGACAGCATGAACA'IL-1βsense, 5'-GGCTGTAGAGCGGGCTATGACCA' antisense, 5'-GGTGAAGAGGTGACCAAGCAT-3'IL-12sense, 5'-GGTGAAGAGGTGACCAAGCAAT-3' antisense, 5'-GGTCATGGCACTGATGACACA' antisense, 5'-GGTCATGACAGTGTAGACCA-3'iNOSsense, 5'-GACTGCACTGGAGTGTAGCACA-3' antisense, 5'-GGTCATGGCAGTGATGACAGCAT antisense, 5'-GACTGCAAGAATGACAGACAGACAGACAGACACAGACACAGACACAGACACAGAC	CCL4	sense, 5-ICAGUGUCAIGIGAGICIAC-5
CCLSSense, 5'-CCCATGACTGACCTGATCT-3'CCL19sense, 5'-GCCAAGAGCAACAACTAGGC-3' antisense, 5'-ATTTGGAACCCAGCATTGAG-3'CXCL9sense, 5'-TCTCCCTCCCCTTAGAA-3' antisense, 5'-CAGCAAGATGCAGAAAACA-3' antisense, 5'-CAGCATGATGCAGAAAACA-3' antisense, 5'-AGGCTGATCTGCAAGAAAGC-3'CXCL10sense, 5'-CAGCATGCTGCATGACTCTG-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-CAGTCTCAATGCCTGTCA-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTCA-3' antisense, 5'-AGACCCTTGTGGAGGCATTGTCA-3' antisense, 5'-GAGTCTGCTCATCTCCCA-3' antisense, 5'-GAGCTTGTCTGTGGAGGC-3'CCR2sense, 5'-GACTCTGCTGGGAGCATTGTCA-3' antisense, 5'-GACTCTGCTGGTGGAAGG-3'CXCR4sense, 5'-GCTGAAGACGTGTGACTGATA-3' antisense, 5'-GGCTGTCAGAGCAGTGTAGAA-3' antisense, 5'-GGCTGTCAGAGCAGTGTAGAC-3' antisense, 5'-GGCTGTCAGAGCGTGGGACGCAC3' antisense, 5'-GGCTGTCAGAGCGTGTAGACAGCAGTAGAAT-3' antisense, 5'-GGCTGTCAGAGCGTGTAGACAGCATGACAT-3' antisense, 5'-GGCTGTCAGAGCGTGACCAAGTATGCA3' antisense, 5'-GACTTGCATGTACCAAGCATTGACA-3' antisense, 5'-GACTGGCGGGCTATGACCA-3' intisense, 5'-GACTTGACAGTGTAGACACA-3' antisense, 5'-GACTTGACAGTGATGACACA-3' antisense, 5'-GACTTGACAGTGATGACACA-3' antisense, 5'-GACTTGACAGACTGAAGACGTGATGGAATGAGAGCA'IFN- $\gamma$ sense, 5'-GACTTGACAGGATGTAGCAGACA-3' antisense, 5'-GACTTGACAGACTGAACAGCAGCACACA-3' antisense, 5'-GACTTGACAGACTGAACCAGACACA-3' antisense, 5'-GACTGACAGTGATGACAGCAGCACACACA-3' antisense, 5'-GACTGACAGTGACACAGACACACACACACACACACACACA		antisense, 5'-GG11AGACUC11CCACACCA-3'
antisense, 5'-CUCCATGACCTCACTGAGC-3' antisense, 5'-ATTTGGAACCAACAACTAGGC-3' antisense, 5'-TGTCCTCCCTCCCTTAGAA-3' antisense, 5'-CGGCTTTATTGGAAGCTCTG-3'CXCL10sense, 5'-CGGCTGATCTGCAAGAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAATG-3'CXCL11sense, 5'-CGGCTGATCTGCAAGAAATG-3' antisense, 5'-GGATGGCTGTCCTAGCTCTG-3' antisense, 5'-CAGTCCTCAATGCCTGTCA-3' antisense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-CAGTCTTCATCGCCATGTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3' antisense, 5'-GACTCTGCTCTGGTGGAAGG-3'CCR2sense, 5'-CAGTCCTCAATGCCTGTGGAAGG-3' CCR5cCR5sense, 5'-GTCATGATCCCTATCTCC-3 antisense, 5'-GTGGGCACCTGATTTAAAGG-3'CCR4sense, 5'-CTTCGGCACCTGATTTAAAGG-3' antisense, 5'-GGCTGTAGAGCGTGACTGATA-3' antisense, 5'-GGCTGTCAGAGCTGCATGTACA-3' antisense, 5'-GGCTGTCAGAGCTGCGTGGCTTGGC-3'L-1βsense, 5'-GCTGAAGAGCGTGACCCAAGCAGC-3' antisense, 5'-GTAGAGGTGACCCAAGCAAT-3' antisense, 5'-GTAGAGGTGACCCAAGCAAT-3' antisense, 5'-GGTGCAGGGGCTATGACCA-3'IL-12sense, 5'-GAGTGTGAGATCCCAAGCAAT-3' antisense, 5'-GGTCATGACCAAGCAAT-3' antisense, 5'-GGTCATGACCAAGCAGTGTAGCA-3'INOSsense, 5'-GACTTGAAGATGTACCAAGCAGCAG-3' antisense, 5'-GGTCATGACCAAGCAAT-3' antisense, 5'-GGTCATGTCCAAGCAAGCAG-3'IFN-γsense, 5'-GACTTGAAGATGTACCAAGACCAGACGA-3' antisense, 5'-GGTCACTGCACTGAACTCAGAACCA3' antisense, 5'-GGTCACTGTACCCAAGACCAG-3' antisense, 5'-GGCTGACTGAACTCAAGACCAGACG-3'IFN-αsense, 5'-ACGGCATGAACTCAAGACCAGACG-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3' antisense, 5'-GGCACCTGTCCCAAGAACC-3'	CCLS	sense, 5-CUCACITUCIGLITICIC-5
CCL19sense, 5'-QCCAAGAGCAACAACTAGGC-3' antisense, 5'-TCTCCTCCCCTTAGAA-3' antisense, 5'-CTCCTCCCCTTAGAA-3' antisense, 5'-CGGCTTTATTGGAAGCTCTG-3'CXCL10sense, 5'-CAGCAAGATGCCAGAAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAAACA-3' antisense, 5'-GGCTGATCTGCAAGAAAACA-3' antisense, 5'-GGATGCCTAGCTCTG-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTCA-3' antisense, 5'-CAGTCCTCAATGCCTGTGCA-3' antisense, 5'-GAGCTTGTGGAAGATGTCA-3' antisense, 5'-GAGCTCTGCTCGGTGGAAGG-3'CCR2sense, 5'-CTCCATGCTCTGTGGAAGG-3' antisense, 5'-GACTCTGCTCGGTGACTGATA-3' antisense, 5'-GGCTGATGCCTATCTCC-3 antisense, 5'-CTGGGCACCTGATTTAAAGG-3'CCR4sense, 5'-CTGGGCACCTGATTTAAAGG-3' antisense, 5'-GGCTGATGCATGATAATGA-3' antisense, 5'-GGCTGTAGAGCGTGGACTGATA-3' antisense, 5'-GGCTGTAGAGCGTGGACTGATG-3'IL-1βsense, 5'-GGCTGTAGAGCGTGGACTGATA-3' antisense, 5'-GGTGCAGGGGCTATGACAGTGTAGAT-3' antisense, 5'-GGTGCAGGGGCTATGACAGTGTAGAT-3'IL-12sense, 5'-GGCTGTAGAGCCCAAGCAGTGTAGAT-3' antisense, 5'-GGTTCATGCCAAGCAAGAGTGTACCAGACAG-3' antisense, 5'-GGTCATGAGAGTGTACCAGACAG-3' antisense, 5'-GGTCATGAGAGTGTACCAGACAG-3' antisense, 5'-GGTCATGCCAGGAGTGTACCAGACAG-3'INOSsense, 5'-GACTGGAGGTGAACTCAGAACAG-3' antisense, 5'-GGACTGACTGAACTCAGAACAG-3' antisense, 5'-GGCTGACTGAACTCAGACAG-3' antisense, 5'-GGCAGGATGGATGGATGGAAGGCAG'IFN-γsense, 5'-AGCGCAGCAGAGAGTGTAACGAGACG-3' antisense, 5'-AGCGGCAGCTGAACTCAGAACCAGT'GF-αsense, 5'-AGCGCATGACTCAAAGAC-3' antisense, 5'-GGAATCCCAGACAGAC-3' antisense, 5'-GGAATCCCAGCATCTCAAGAAC-3' antisense, 5'-GGAATCCCAGCACCTGTACCAGGCACGCACGACCAG'	CCT 10	antisense, 5'-CCCCATGACCTCACTGTTCT-3'
antisense, 5'-ATTTGGAACCCAGCATTGAG-3' antisense, 5'-CCCCCCCTTAGAA-3' antisense, 5'-CGGCTTTATTGGAAGCTCTG-3'CXCL10sense, 5'-CAGCAAGATGCCAGAAAACA-3' antisense, 5'-GGATGCCTGCATCTGCAAGAAATG-3'CXCL11sense, 5'-GGATGGCTGTCCTAGCTCTGCAAGAAATG-3'CXCL12sense, 5'-GAGTCTCCCAATGCCTGTTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'CCR2sense, 5'-CAGTCCTCCATGCCCATTCTCCTCA-3' antisense, 5'-GACTCTGCTCTGGTGGAGG-3'CCR5sense, 5'-CTTCATCCCCATTCTCCTC-3 antisense, 5'-GCTGAGAGCGTGACTGATA-3' antisense, 5'-GCTGAGAGCGTGACTGATA-3' antisense, 5'-GCTGCAGAGCTGCATGTATAATGA-3'COX2sense, 5'-GCTGTCAGAGCTGCATGTATAATGA-3' antisense, 5'-GGCTGTCAGAGCCTCGTCGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GAGGGTTGGAACGATGTATAGA-3' antisense, 5'-GCTCAGGAGCTGCAAGCAAT-3' antisense, 5'-GAGGGGTGAACAGTGTAGACA-3'IL-12sense, 5'-GACGTGTAGAAGCGAGTGTGACA-3' antisense, 5'-GACTTGGAAGTCCCAAGCAAT-3' antisense, 5'-GACTTGAAGAGTATCAGGATGTGACA-3'INOSsense, 5'-GACTTGAAGAGTATCAAGAACAG-3' antisense, 5'-GACTTGAAGAGTATCCAAGCAAGAGA'IFN-γsense, 5'-GACTTGAAGAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGAGATGTACCAGACAG-3'INF-αsense, 5'-AGCGCTGACTGAACTCAGAATGGAGAG-3'TNF-αsense, 5'-AGCGCATGGATCTCAAGACAGA' antisense, 5'-GTCACTGTCCCAGCATCTAGGAGA'GF-αsense, 5'-AGCGCATGGATCTCAAAGAC-3' antisense, 5'-GTCACTGTCCCAGCATCTA-3' antisense, 5'-GTCACTGTCCCAGCATCTAGAGAC-3' antisense, 5'-TGAAACCCGCATCGTCCCAGCATCTA-3'β-actinantisense, 5'-TGAAACCCGCACGCTCAGTAACACACGCCGGA'	CCL19	sense, 5'-GCCAAGAGCAACAACTAGGC-3'
CXCL9sense, 5'-ICICCICCUTCCUTCCCTIAGAA-3' antisense, 5'-CGGCTTTATTGGAAGCTCTG-3' antisense, 5'-TGGCTGATCTGCAAGAACA-3' antisense, 5'-GGATGGCTGTCCTAGCTCTG-3' antisense, 5'-GGCTGTCCTAGCTCTG-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3' CXCL12CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-GAGCTCTGGTGGAGCATTGTCA-3' CCR2CR2sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GACTCTGCTGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGACGTGACTGATAATGA-3'CXCR4sense, 5'-GCTGAAGACGTGACTGATAATGA-3'CX2sense, 5'-GCTGAAGACGTGACTGATAATGA-3'CX2sense, 5'-GCTGTAGAGCGTGACTGTGC-3' antisense, 5'-GGCTGTCAGAGCTCGTGGCAGCAGC-3' antisense, 5'-GGCTGTAGAAGCCAGTGTAGA-3'IL-1βsense, 5'-GAGGACTGCAAGGCAGTGTAGAT-3'IL-12sense, 5'-TGACGTCCAAGAGCTGTGACAGTGTAGAT-3'iNOSsense, 5'-GACTGCACAGGAGTTGTAC-3' antisense, 5'-GACTGCAAGAGATGTACCAGACAG-3' antisense, 5'-GACTTCAGTGCAGGAGTGTAGA-3'iNOSsense, 5'-GACTGCAAGAGATGTACCAGACGA-3'iNOSsense, 5'-GACTGCAAGAGATGTACCAGACAG-3' antisense, 5'-GACTGCAAGCAGTGTAGACCA-3'iFN-γsense, 5'-GACTGAAGATGTACCAGACAGA-3' antisense, 5'-GACTGAACTCAAGACTGAAGCAG-3' antisense, 5'-GCACTGAACTCAAGACTGAAGACG-3' antisense, 5'-GCACAGGATGTACCAGACAGA-3'iFN-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GCACAGGATGTACCAGACAGA-3'iFN-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GCACAGGATGTACCAGACAGATGTACCAGGA-3'iFN-αsense, 5'-ACGGCATGGATCTCAAGACCA3' antisense, 5'-GCACAGGATGTACCAGGATGTAACAGC-3' antisense, 5'-TGAAACCCCGTGCCACAGCATCTT-3'iFN-αsense, 5'-TACAAGCCAGCCTCAGAAACC3' antisense, 5'-T	CIVCI 0	antisense, 5'-ATTTGGAACCCAGCATTGAG-3'
antisense, 5'-CGGCITITATTGGAAGCITCIG-3'CXCL10sense, 5'-CAGCAAGATGCCAGAAAACA-3'antisense, 5'-TGGCTGATCTGCAAGAAATG-3'CXCL11sense, 5'-GATGGCTGTCCTAGCTCTG-3'antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3'antisense, 5'-GAGTCTTGTGGAGCATTGTCA-3'CR2sense, 5'-CTCATCCCCATTCTCCTCA-3'antisense, 5'-GCTCATGATCCCTATCTCC-3antisense, 5'-GCTCATGATCCCTATCTCC-3antisense, 5'-GCTGAGACCTGATTAAAGG-3'CCR5sense, 5'-GCTGAAGACGTGACTGATA-3'antisense, 5'-GCTGAAGACGTGACTGATA-3'antisense, 5'-GCTGAAGACGTGCATGATAATGA-3'COX2sense, 5'-GGCTGTAGAGCACTCGATGTGC-3'antisense, 5'-GGCTGTAGAGCACTGCATGGAGC-3'antisense, 5'-GGCTGTAGAGCACTGCAGCAGC-3'antisense, 5'-GGCTGTCAGAGCAGTGTGGC-3'IL-1βsense, 5'-GAGTGTGGATCCCAAGCATGACA-3'iNOSsense, 5'-GTCAGAGGTGGACCCAGGACGTGTAC-3'antisense, 5'-GACTTCAAGAGATGTACCAGACAG-3'iNOSsense, 5'-GACTTCAAGAGATGTACCAGACAG-3'insense, 5'-GACTTCAAGAGATGTACCAGACAG-3'insense, 5'-GACTTCAAGAGATGTACCAGACAG-3'antisense, 5'-GACATGAAGATGTACCAGACAG-3'antisense, 5'-GACATGAAGATGTAATGGAGAGGAG-3'TNF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3'antisense, 5'-GTCACAGTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3'antisense, 5'-GACATCGTGTGCCAGCATCTA-3'antisense, 5'-GGAATCCTGTGGCATCCAGAACC-3'antisense, 5'-TGAAACCCTGTGGCATCCAGAACC-3'antisense, 5'-TGAAACCCTGTGGCATCCAGAACC-3'antisense, 5'-TAAAACCCCAGCCTCGATGAAAC-3'<	CXCL9	sense, 5'-TCTCCTCCCTCCCTTAGAA-3'
CXCL10sense, 5'-CAGCAAGATGCCAGAAAACA-3' antisense, 5'-TGGCTGATCTGCAAGAAATG-3'CXCL11sense, 5'-GGATGGCTGTCCTAGCTCTG-3' antisense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-GAGCTTGTGGGAGCATTGTCA-3' cCR2cCR2sense, 5'-CATCATCCCCATTCTCCTCA-3' antisense, 5'-GACTCTGCTCGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGCAGAGCTGCATGTATAATGA-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GGCTGTAGAGCCTCGTGGCTTGG-3'IL-1βsense, 5'-GGTGAGAGCTGCATGTAGAT-3' antisense, 5'-GAGGGTGCACTGAGATGC-3' antisense, 5'-GGTGAGAGCGTGACAGTGTAGAT-3' antisense, 5'-GGTGTAGAGCGAGTGTGACAGTGTAGAT-3' antisense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GGCTCATGGAGTCCCAAGCAAT-3' antisense, 5'-GGCTTCATGGCAGGGCTATGACCA-3'IL-12sense, 5'-GAGTGTGGATCCAAGCAAT-3' antisense, 5'-GGCTCAATGGAGTGTGAC-3' antisense, 5'-GAGTGTCATGGCAGCTGACAGCA3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GCCGCTGACTGAACTCAGAACAGA-3'IFN-γsense, 5'-ACCGGCTGACTGAACTCAGAACAGA-3'TNF-αsense, 5'-ACCGGCTGACTGAACTCAGAATGGAGACG-3' antisense, 5'-GGCACAGGATGTCCAAGACAG-3'TGF-αsense, 5'-GGTCACTGTCCCAAGCATCTAGAACAGC-3' antisense, 5'-GGCACTGCGCATCCATGAACCACGACG-3'Gactinsense, 5'-TAAAACGCCAGCATCCATGAAACAC-3' antisense, 5'-TAAAACGCCAGCATCCATGAACCACGCATCCATGAACC-3' antisense, 5'-TAAAACGCCAGCATCCATGAACCACGCAGCTCCAGTAACCA'		antisense, 5'-CGGCTTTATTGGAAGCTCTG-3'
antisense, 5'-GGCTGATCTGCAAGAAATG-3' CXCL11 sense, 5'-ATAACCCCTTGGGAAGATGG-3' CXCL12 sense, 5'-CAGTCCTCAATGCCTGTCA-3' antisense, 5'-GAGCTTGTGGGAGCATTGTCA-3' CCR2 sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GACTCTGCTCTGGTGGAAGG-3' CCR5 sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATA-3' CXCR4 sense, 5'-GCTGAAGAGCGTGACTGATA-3' COX2 sense, 5'-CCTTCCGAAGTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTAGAGCCGTGGTGGCACC3' antisense, 5'-GGCTGTAGAGCGAGTGTTGC-3' IL-1β sense, 5'-GGCTGTAGAGCGAGCTGACAGTGTAGAT-3' IL-12 sense, 5'-GAGTGTGGATCCCAAGCAGTGTAGAC-3' antisense, 5'-GGCTGTCAGAGCGAGTGTTGC-3' IL-12 sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GGCTGTCAGAGCGAGTGTAGAC-3' iNOS sense, 5'-GACTTCAGTGCGGGCTTATGACCA-3' iNOS sense, 5'-GACTTGAAGAGTGTACAGTGTAGACA-3' IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACTGAGATGAGAC-3' TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAGGG-3' TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAGGG-3' TGF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCCAAGAC-3' antisense, 5'-GGTCATGGCATCCAAGAC-3' antisense, 5'-GGTCATGGCATCCAAGAC-3' antisense, 5'-GGCATGAACTCCAAGAC-3' antisense, 5'-GGCATGAACTCAGATTGTACCAGAC-3' antisense, 5'-GGCATGAACTCAGATTGTAGGGA-3' TNF- $\alpha$ sense, 5'-ACCGGCATGAACTCAGATTGTAGGG-3' TGF- $\alpha$ sense, 5'-ACCGCATGGATCCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCAGATCCT3' $\beta$ -actin antisense 5'-TAAAACGCAGCACGCATCCATGAAC-3'	CXCL10	sense, 5'-CAGCAAGATGCCAGAAAACA-3'
CXCL11sense, 5'-GGATGGCTGTCCTAGCTCTG-3' antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-GAGCTCTCAATGCCTGTGAAGATGG-3'CXCL2sense, 5'-GACTCTGCTCGGAGCATTGTCA-3' antisense, 5'-GACTCTGCTCTGGTGGAAGG-3'CCR2sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATA-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATAATGA-3'COX2sense, 5'-GCTGCAAGATCTGCATGTATAAAGG-3'COX2sense, 5'-GCTGTAGAGCGTGCATGATAATGA-3' antisense, 5'-GGCTGTAGAGCCTCGTGGCATTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GAGTGTGGATCCCAAGCAAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GACTTGAAGATGTACAAGCA-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAGAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACTGTAAGAGATGTAGCAGA-3' antisense, 5'-GACTGAACTGGAACTCAGAATGTAGGAG-3'TNF-αsense, 5'-AGCGGCTGACTGAACTCAGAATGTAGGGAG-3' antisense, 5'-GGTCATGGCATGGAACTCAGAATGTAGGAG-3' antisense, 5'-GGCATGGAACTCCAAGAC-3' antisense, 5'-GGCATGGAACTCCAAGAC-3' antisense, 5'-GGTCACTGTCCAAGACC-3' antisense, 5'-GGTCACTGTCCAAGAAC-3' antisense, 5'-GGCATGGAATCCTGTGCCAGCATCAT-3' antisense, 5'-GGCATGGAATCCTAGGCATCATGACAC-3' antisense, 5'-GGCATGGAATCCTGTGCCAGCATCAT-3' antisense, 5'-GGCATGGAATCCTGTGCCAGCATCAT-3' antisense, 5'-GGCACTGGAATCCAGCATCATCAGAC-3' antisense, 5'-TAAAACGCAGCCTGACCAGCATCAGAC-3' antisense, 5'-TAAAACGCAGCCTGACCAGCATCAGAC-3'		antisense, 5'-TGGCTGATCTGCAAGAAATG-3'
antisense, 5'-ATAACCCCTTGGGAAGATGG-3'CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'CCR2sense, 5'-GACTCTGCCCATTCTCCTCA-3' antisense, 5'-GCTGATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATAATGA-3'CCR5sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGCAGAGCTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTGCACGAGT-3'IL-12sense, 5'-GGCTGTCAGGGCTATGACAGTAGAT-3' antisense, 5'-GTCAGTGCGGAGCAGCAAT-3' antisense, 5'-GAGTGTGACAGTGACCA-3'iNOSsense, 5'-GACTTGAAGATGTACCAGGAGTGGC-3' antisense, 5'-GACTTGAAGATGTACCAGACAGCA3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAGGAGC-3' antisense, 5'-GACTTGAAGATGTACCAGACAGAGA'IFN- $\gamma$ sense, 5'-GACAGTGAGATGTACCAGACAG-3' antisense, 5'-GACAGGATGAGATGTACCAGACAG-3' antisense, 5'-GACCTGAACTCAGATGTAGGAGG-3'TNF- $\alpha$ sense, 5'-ACCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTCAAGCTGTATAGGG-3' $\beta$ -actinantisense, 5'-TAAAACGCAAGCCAGCTCCATGAACC-3' antisense, 5'-TGAAACCCAGCTCCATGAACC-3' antisense, 5'-ACCGGCATGGAATCTCAAAGAC-3' antisense, 5'-TAAAACGCAAGCCAGCTCCATGAACC-3' antisense, 5'-TAAAACGCAAGCTCCATGAACCAGTCCCG-3'	CXCL11	sense, 5'-GGATGGCTGTCCTAGCTCTG-3'
CXCL12sense, 5'-CAGTCCTCAATGCCTGTTCA-3' antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'CCR2sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCCTGATTCAAAGG-3'CCR5sense, 5'-GCTGAAGAGCCTGATTAAAGG-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGTCAGAGCAGCTGCATGTATAATGA-3'COX2sense, 5'-GCTGTCAGAGCAGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCGAGCAGC-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GGCTGGAGAGCGAGTGACCA-3'IL-12sense, 5'-GAGTGGGATCCCAAGCAAT-3' antisense, 5'-GTCAGTGCGGGGTATGACCA-3'iNOSsense, 5'-GACTTGAAGATGTACCAGAACAGTGTAGAGC3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAGG-3' antisense, 5'-GACTTGAAGATGTACCAGACAGGAG-3'IFN-γsense, 5'-AGCGGCTGACTGAACTCAGACTGAGAGGG3'TNF-αsense, 5'-GTCACAGTTTCAGCTGTATGAGGAG-3' antisense, 5'-GTCACTGGACTCCAAGACAGAG-3' antisense, 5'-GTCACAGTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACCGGCATGGACTCCAAGACC-3' antisense, 5'-GGCACTGGACTCCAAGACC-3' antisense, 5'-GGCACTGGACTCCAAGACC-3' antisense, 5'-GGCACTGGACTCCAAGACC-3' antisense, 5'-GTCACTGTCCCAGCATCTC-3'		antisense, 5'-ATAACCCCTTGGGAAGATGG-3'
antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'CCR2sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GACTCTGGTCTGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATAAGG-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATAATGA-3' antisense, 5'-GCTTCCGAAGTTCTGGCAGCAGC-3' antisense, 5'-CCTTCCGAAGTTCTGGCAGCAGC-3'COX2sense, 5'-CCTTCCGAAGTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCGAGCTGTTGGC-3'IL-1βsense, 5'-GGCTGTCAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GGCTGTCATGTCAGAGCTGTGACA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GACTTGAAGATGTACCAGACGACG-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACGAG-3' antisense, 5'-GACTTGAAGATGTACCAGACGAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAGAGCAG-3' antisense, 5'-GGCCTGACTGACTGAACTCAGAATGTAGGAG-3'TNF- $\alpha$ sense, 5'-AGCGCATGGACTCCAAGACCAGACG-3' antisense, 5'-AGCGGCATGGACTCCAAGACCAGCTCAAGAC-3' antisense, 5'-GGCACTGTCCCAGCATCTCAAAGAC-3' antisense, 5'-GGCACTGTCCCAGCATCCAAGAC-3' antisense, 5'-GGCACTGTCCCAGCATCCAAGAC-3' antisense, 5'-GGCACTGTCCCAGCATCCAAGAC-3' antisense, 5'-GGAATCCCAGCATCCAAGAC-3' antisense, 5'-GGAATCCCAGCATCCAAGAC-3' antisense, 5'-GGAATCCCAGCATCCAAGAAC-3' antisense, 5'-GGAATCCCAGCATCCAAGAAC-3' antisense, 5'-GGAATCCCAGTACCAGCATCCAGAAC-3' antisense, 5'-GGAATCCCAGCATCCAAGAAC-3' antisense, 5'-TGGAATCCCAGCACCAGCTCCAGTAACAGCCCAGTCCCAGTAACC3'	CXCL12	sense, 5'-CAGTCCTCAATGCCTGTTCA-3'
CCR2sense, 5'-CTTCATCCCCATTCTCCTCA-3' antisense, 5'-GACTCTGCTCTGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GCCTGCCAGAGCTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAC-3'IL-12sense, 5'-GAGGTGTGGATCCCAAGCAAT-3' antisense, 5'-GGTTCATGTCATGGAGCGAGTGTGAC-3'iNOSsense, 5'-GACTTCAGAGCGAGTGTAGAC-3' antisense, 5'-GACTTCAAGTGTCATGTAGATGGTGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTAACTCAGAACAG-3' antisense, 5'-AGCGGCTGACTGAACTCAGAATGTACAGAGATGTAAGAG-3'TNF-αsense, 5'-AGCGCATGGAATCTCAAAGAC-3' antisense, 5'-GTCACTGTCCAGGAGTTTCCAAGGG-3'GF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGATCCCAGGATCTCAAAGAC-3' antisense, 5'-GGAATCCTGTGCCAGCATCTT-3'β-actinsense, 5'-TGAAAACGCAGCTCAGTAACAGTCCAGTACC3' antisense, 5'-TGAAAACGCAGCTCAGTAACAGTCCAGTACC3' antisense, 5'-TGAAAACGCAGCTCAGTAACCAGTCCAGTAAC-3'		antisense, 5'-GAGCTTGTGGAGCATTGTCA-3'
antisense, 5'-GACTCTGCTCTGGTGGAAGG-3'CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GAGGACTGCATGTATAATGA-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GGCTGTCAGAGCTGCATGTATAATGA-3'COX2sense, 5'-GCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGACA-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-GACTTGACAGTGTGACACA-3'iNOSsense, 5'-GACTTGAAGATGTACCAGGAGTGTGAC-3' antisense, 5'-GGTTCATGTCATGCATGGAGTGC-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGCTGACTGAACTCAGGAGAGATGTAGAGATGTAGAGA'FN- $\gamma$ sense, 5'-GAGATGAGATGTACCAGAATGTAGGAG-3' antisense, 5'-GAGCTGACTGAACTCAGGATGTAGAGA' antisense, 5'-GGCATGGAACTCAGATTGTAGGGAG-3'TNF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGCACTGAACTCAAGACAGAC-3' antisense, 5'-GGAATCCTGTGCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TGAAACCGCAGCTCAGTATCCAGGTCCG-3'	CCR2	sense, 5'-CTTCATCCCCATTCTCCTCA-3'
CCR5sense, 5'-GCTCATGATCCCTATCTCC-3 antisense, 5'-CTGGGCACCTGATTTAAAGG-3'CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GAGGACTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTGTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGACAGTGTGAGAG-3'TNF-αsense, 5'-GTCACAGTTGTACAGACTGTAGGAG-3' antisense, 5'-GTCACAGTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-GGCATGGATCTCAAAGAC-3' antisense, 5'-GGCATCGCACTGTACCAGAAC-3' antisense, 5'-GGCACTGTGCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCAGAAAC-3' antisense, 5'-TGAACGCAGCTCAGGAACC-3' antisense, 5'-TGAACACCAGTCTGTGCCAGCAACC-3'		antisense, 5'-GACTCTGCTCTGGTGGAAGG-3'
antisense, 5'-CTGGGCACCTGATTTAAAGG-3'CXCR4sense, 5'-GCTGAAGAGAGCGTGACTGATA-3' antisense, 5'-GAGGACTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCAGGTGTGC-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-TGACGTCATGGAGCTGTGACA3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGCATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACGTGACTGAACTCAGACTGTAGGAG-3'TNF- $\alpha$ sense, 5'-GTCACGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGGTTCTCAAGAC-3' antisense, 5'-GGTCACTGTCCAAGAC-3'TGF- $\alpha$ sense, 5'-GGTCACTGTGCCAGCATCTT-3' sense, 5'-GGTCACTGTGCCAGCATCATGAAC-3' antisense, 5'-GGTCACTGTGCCAGCATCAT-3' antisense, 5'-GGTCACTGTGCCAGCATCATGAAC-3' antisense, 5'-GGTCACTGTGCCAGCATCAT-3'	CCR5	sense, 5'-GCTCATGATCCCTATCTCC-3
CXCR4sense, 5'-GCTGAAGAGCGTGACTGATA-3' antisense, 5'-GAGGACTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCATTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-TGACGTCACTGGAGCTATGACCA-3'iNOSsense, 5'-GGTTCATGTCATGCAGGTGC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTAGAGATGTGGGAG-3'TNF-αsense, 5'-GACGTCACTGGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-GGTCACTGTCCCAGCATCT-3' antisense, 5'-GGTCACTGTGCCAGCATCATAGGG-3' antisense, 5'-GGTCACTGTCCCAGCATCT-3'		antisense, 5'-CTGGGCACCTGATTTAAAGG-3'
antisense, 5'-GAGGACTGCATGTATAATGA-3'COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1 $\beta$ sense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3'iNF- $\alpha$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GTCACGGCTGACTGAACTCAGAATGTAGGA-3'TNF- $\alpha$ sense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-GGTCACTGTCCCAGCATCTT-3' sense, 5'-GGGCATCCTGTGGCATCCAGAAC-3' antisense, 5'-GGTCACTGTGCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGAAAACGCAGCTCAGTAACAGTCCG-3'	CXCR4	sense, 5'-GCTGAAGAGCGTGACTGATA-3'
COX2sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3' antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1βsense, 5'-GGCTGTAGAGCGAGTGTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGCAGCAGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTGATGGGAG-3'TNF-αsense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTGCCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAACC3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-GAGGACTGCATGTATAATGA-3'
antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'IL-1 $\beta$ sense, 5'-GGCTGTAGAGCGAGTGTGGC-3' antisense, 5'-GTAGAGGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTGTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GACTTGAAGATGTGACGGAGAG-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTGATGGGAG-3'IFN- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGAAAACGCAGCTCAGTAACAGTCCG-3'	COX2	sense, 5'-CCTTCCGAAGTTTCTGGCAGCAGC-3'
IL-1βsense, 5'-GGCTGTAGAGCGAGTGTTGC-3' antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF-αsense, 5'-GTCACAGGATGTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTGCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAACC3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-GGCTGTCAGAGCCTCGTGGCTTTGG-3'
antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAACC-3' antisense, 5'-TGGAATCCTGTGGCATCCATGAACC-3'	IL-1β	sense, 5'-GGCTGTAGAGCGAGTGTTGC-3'
IL-12sense, 5'-GAGTGTGGATCCCAAGCAAT-3' antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGCAGGGGCGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF-αsense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAACC-3' antisense, 5'-TGAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-GTAGAGGTTGACAGTGTAGAT-3'
antisense, 5'-CTCAGTGCGGGCTATGACCA-3'iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAAC-3' antisense, 5'-TGAAAACGCAGCTCAGTAACAGTCCG-3'	IL-12	sense, 5'-GAGTGTGGATCCCAAGCAAT-3'
iNOSsense, 5'-TGACGTCACTGGAGTTGTAC-3' antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF-αsense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-CTCAGTGCGGGCTATGACCA-3'
antisense, 5'-GGTTCATGTCATGGATGGTGC-3'IFN- $\gamma$ sense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAACC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCCG-3'	iNOS	sense, 5'-TGACGTCACTGGAGTTGTAC-3'
IFN-γsense, 5'-GACTTGAAGATGTACCAGACAG-3' antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF-αsense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-GGTTCATGTCATGGATGGTGC-3'
antisense, 5'-GAGATGAGATGTGATGGGAG-3'TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	IFN-v	sense, 5'-GACTTGAAGATGTACCAGACAG-3'
TNF- $\alpha$ sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3' antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'		antisense, 5'-GAGATGAGATGTGATGGGAG-3'
TGF- $\alpha$ antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'TGF- $\alpha$ sense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actinsense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	$TNF-\alpha$	sense, 5'-AGCGGCTGACTGAACTCAGATTGTAG-3'
TGF-αsense, 5'-ACGGCATGGATCTCAAAGAC-3' antisense, 5'-GGTCACTGTCCCAGCATCTT-3'β-actinsense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	1111-0	antisense, 5'-GTCACAGTTTTCAGCTGTATAGGG-3'
$\beta$ -actin antisense, 5'-GGTCACTGTCCCAGCATCTT-3' $\beta$ -actin sense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	TCF	sense. 5'-ACGGCATGGATCTCAAAGAC-3'
β-actin sense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3' antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	10 <b>1-</b> 0	antisense, 5'-GGTCACTGTCCCAGCATCTT-3'
p-actini antisense 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'	Q actin	sense, 5'-TGGAATCCTGTGGCATCCATGAAAC-3'
	p-acun	antisense, 5'-TAAAACGCAGCTCAGTAACAGTCCG-3'

Table S3. Sequences of primers used for RT-PCR

Human	
β-actin	sense, 5'-GTGGGGCGCCCCAGGCACCA-3'
	antisense, 5'-CTCCTTAATGTCACGCACGA-3'
TGF-α	sense, 5'-CTCGCCAGAGTGGTTATCTT-3'
	antisense, 5'-AGTGTGTTATCCCTGCTGTCA-3'
COX-2	sense, 5'-CCCGCCGCTGCGATGCTCGCCC-3'
	antisense, 5'-GACTTCTACAGTTCAGTCGAACG-3'
iNOS	sense, 5'-GCAGAATGTGACCATCATGG-3'
	antisense, 5'-ACAACCTTGGTGTTGAAGGC-3'
IDO	sense, 5'-CCATATTGATGAAGAAGTGGGGCT-3'
	antisense, 5'-GATCAGGCAGATGTTTAGCAATGA-3'
CCL2	sense, 5'-ATGAAAGTCTCTGCCGCCCTTCTGT-3'
	antisense, 5'-AGTCTTCGGAGTTTGGGTTTGCTTG-3'
CCL3	sense, 5'-ATGCAGGTCTCCACTGCTGCCCTT-3'
	antisense, 5'-GCACTCAGCTCCAGGTCGCTGACAT-3'
CXCL10	sense, 5'-CCTGCTTCAAATATTTCCCT-3'
	antisense, 5'-CCTTCCTGTATGTGTTTGGA-3'
CXCL12	sense, 5'-ATGAACGCCAAGGTCGTGGTCG-3'
	antisense, 5'-TGTTGTTGTTCTTCAGCCG-3'
PD-L1	sense, 5'-TTGGGAAATGGAGGATAAGA -3'
	antisense, 5'-GGATGTGCCAGAGGTAGTTC-3'
PD-L2	sense, 5'-ACACCGTGAAAGAGCC-3'
	antisense, 5'-AATGTGAAGCAGCCAAG-3'
FasL	sense, 5'-GGATTGGGCCTGGGGATGTTTCA-3'
	antisense, 5'-TTGTGGCTCAGGGGCAGGTTGTTG-3'
ICAM-1	sense, 5'-CGTGCCGCACTGAACTGGAC-3'
	antisense, 5'-CCTCACACTTCACTGTCACC-3'
VCAM-1	sense, 5'-ATGACATGCTTGAGCCAGG-3'
	antisense, 5'-GTGTCTCCTTCTTTGACACT-3'
IL-1B	sense, 5'-ATGGCAGAAGTACCTAAGCTCGC-3'
	antisense, 5'-ACACAAATTGCATGGTGAAGTCAGTT-3'
IL-6	sense, 5'-AGACAGCCACTCACCTCTTCAG-3'
12 0	antisense, 5'-TTCTGCCAGTGCCTCTTTGCTG-3'
IL-8	sense, 5'-CTTGGCAGCCTTCCTGATTT-3'
-	antisense, 5'-CTTGGATACCACAGAGAATG-3'
IL-10	sense, 5'-ACCAAGACCCAGACATCAAG-3'
10	antisense, 5'-GAGGTACAATAAGGTTTCTCAAG-3'