

## Supplementary Materials and Methods

**Title:** Periplosides extract from *Cortex periplocae* improve collagen antibody-induced arthritis by regulating macrophage polarization

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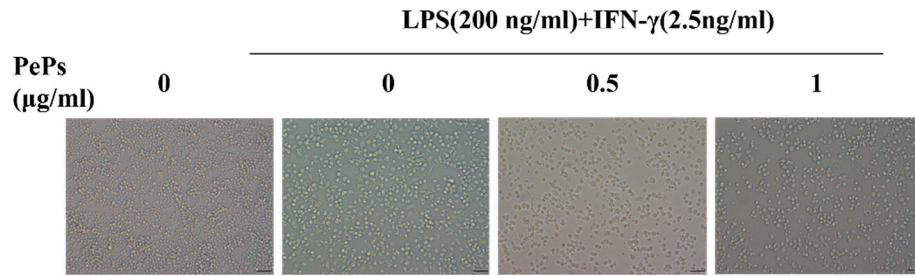
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**TABLE S1.**

**Names and sequences of primers used for polymerase chain reaction analysis.**

| <b>Gene</b>    | <b>Sequence</b>  |
|----------------|--|
| iNOS           | F: 5'-CAGCTGGGCTGTACAAACCTT-3'<br>R: 5'-CATTGGAAGTGAAGCGTTTCG-3'     |
| COX-2          | F: 5'-CAGCAAAGCCTAGAGCAACAA-3'<br>R: 5'-CGGAACTAAGAGGAGCAGCAAT-3'    |
| CCL2           | F: 5'-TTAAAAACCTGGATCGGAACCAA-3'<br>R: 5'-GCATTAGCTTCAGATTTACGGGT-3' |
| CCL3           | F: 5'-TGCGCTGACTCCAAAGAGAC-3'<br>R: 5'-CTCGATGTGGCTACTTGGCA-3'       |
| IL-1 $\beta$   | F: 5'-AGTTGACGGACCCCAAAAG-3'<br>R: 5'-TTTGAAGCTGGATGCTCTCAT-3'       |
| IL-6           | F: 5'-CTCCGACTTGTGAAGTGGTATAG-3'<br>R: 5'-CCACCTCAATGGACAGAATATCA-3' |
| MMP2           | F: 5'-AGTTTGGTGTGCGGGAGCAC-3'<br>R: 5'-TACATGAGCGCTTCCGGCAC-3'       |
| MMP9           | F: 5'-AGTTTGGTGTGCGGGAGCAC-3'<br>R: 5'-TACATGAGCGCTTCCGGCAC-3'       |
| YM-1           | F: 5'-CAGGTCTGGCAATTCTTCTGAA-3'<br>R: 5'-GTCTTGCTCATGTGTGTAAGTGA-3'  |
| ARG-1          | F: 5'-CTCCAAGCCAAAGTCCTTAGAG-3'<br>R: 5'-AGGAGCTGTCATTAGGGACATC-3'   |
| FIZZ-1         | F: 5'-CCAATCCAGCTAACTATCCCTCC-3'<br>R: 5'-CCAGTCAACGAGTAAGCACAG-3'   |
| $\beta$ -actin | F: 5'-CCACCATGTACCCAGGCATT-3'  |

R: 5'-AGGGTGTAACGCGAGCTCA-3'



**FIGURE S1.**

**PePs inhibited the polarization of macrophages.**

RAW264.7 cells were stimulated with IFN- $\gamma$  and LPS to promote the differentiation of RAW264.7 to M1 macrophages. Cell morphology was observed under a microscope.