

Table S1. Primers used in RT-PCR.

| Target | Forward Sequence (5'-3') | Reverse Sequence (5'-3') |
|-----------------------|--------------------------|---------------------------|
| TNF- α (human) | TTCCCAAATGGGCTCCCTCT | GTGGGCTACGGGCTTGTAC |
| IL-1 β (human) | TGTGATGTTCCCATTAGAC | AATACCACTTGTTGGCTTA |
| IL-6(human) | TGCCTTCTTGGGACTGAT | TTGCCATTGCACAACCTCT |
| iNOS(human) | CCTGGTGCAAGGGATCTTGG | GAGGGCTTGCCTGAGTGAGC |
| COX-2(human) | CTCAGCCATGCAGCAAATCC | GGGTGGGCTTCAGCAGTAAT |
| MMP1(human) | GACGTGACCGACAACAGGTGA | GGGAACATTAGTGCTCCTACATC |
| MMP3(human) | TCCCTGTTTCCAGCCATCCCTTG | TCGCTCTGGTAGCCCTTCTC |
| MMP13(human) | TGTTTGCAGAGCACTACTTGAA | CAGTCACCTCTAAGCCAAAGAAA |
| GAPDH(human) | GGTGGACCTCATGGCCTACAT | GCCTCTCTCTTGCTCTCAGTATCCT |
| iNOS(mouse) | CAGGGAGAACAGTACATGAACAC | TTGGATACTGCTACAGGGA |
| IL-6(mouse) | CCACTTCACAAGTCGGAGGCTTA | CCAGTTTGGTAGCATCCATCATTTC |
| irf8(mouse) | CGGGGCTGATCTGGGAAAAT | CACAGCGTAACCTCGTCTTC |
| stat1(mouse) | GCTGCCTATGATGTCTCGTTT | TGCTTTTCCGTATGTTGTGCT |
| socs1(mouse) | CTGCGGCTTCTATTGGGGAC | AAAAGGCAGTCGAAGGTCTCG |
| psmb9(mouse) | CATGAACCGAGATGGCTCTAGT | TCATCGTAGAATTTTGGCAGCTC |
| tap1(mouse) | CTTGATGATGCCACCAGTG | AGAAGAACCGTCCGAGAAGC |
| irf1(mouse) | ATGCCAATCACTCGAATGCG | TTGTATCGGCCTGTGTGAATG |
| stat2(mouse) | GTTACACCAGGTCTACTCACAGA | TGGTCTTCAATCCAGGTAGCC |
| IL-1 β (mouse) | TTCAGGCAGGCAGTATCACTC | GAAGGTCCACGGGAAAGACAC |
| β -actin(mouse) | GATTACTGCTCTGGCTCCT | TGGAAGGTGGACAGTGAG |

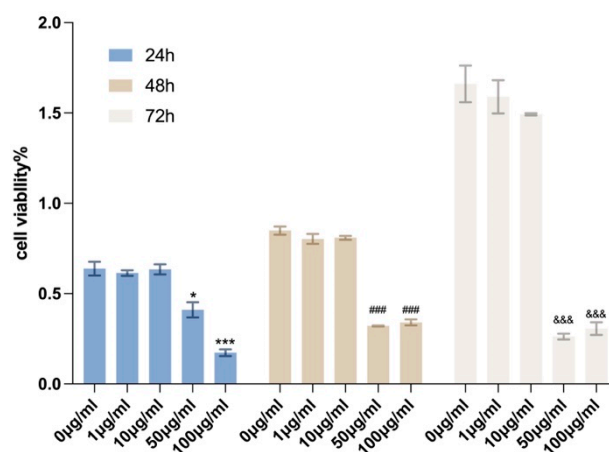


Figure S1 Toxicity of CLH gel to macrophages.

CCK-8 test of cell viability of RAW264.7 with CLH gel concentration ranging from 100, 50, 10, 1 to 0 µg/ml. Statistical analysis was performed with one-way ANOVA. ns, no significance. *(compared with 0 µg/ml at 24h) or # (compared with 0 µg/ml at 48h) or & (compared with 0 µg/ml at 72h), $p < 0.05$; *** or ### or &&&, $p < 0.001$.