

Table 1 Primer sequences

| Gene | Primer | Sequence (5' to 3') |
|----------------|---------------|-----------------------------------|
| HPRT1 | Forward | CAG ACT TTG TTG GAT TTG AAA |
| | Reserve | GCT CAT CTT AGG CTT TGT AT |
| F4/80 | Forward | CTT TGG CTA TGG GCT TCC AGT C |
| | Reserve | GGC AAG GAG GAC AGA GTT TAT CGT G |
| CD68 | Forward | GCC CGA GTA CAG TCT ACC TGG |
| | Reserve | AGA GAT GAA TTC TGC GCC AT |
| CD11b | Forward | CGG TAG CAT CAA CAA CAT |
| | Reserve | GCA TCA AAG AGA ACA AGG T |
| IL-1 β | Forward | AAT CTC ACA GCA GCA CAT C |
| | Reserve | AGC AGG TTA TCA TCA TCA TCC |
| TNF- α | Forward | GCC TCC CTC TCA TCA GTT C |
| | Reserve | ACT TGG TGG TTT GCT ACG |
| MCP-1 | Forward | TCC ACA ACC ACC TCA AGC ACT TC |
| | Reserve | GGC ATC ACA GTC CGA GTC ACA C |
| IL-12p40 | Forward | GGA AGC ACG GCA GCA GAA TA |
| | Reserve | AAC TTG AGG GAG AAG TAG GAA TGG |
| CCL17 | Forward | AGT GCT GCC TGG ATT ACT TCA AAG |
| | Reserve | CTG GAC AGT CAG AAA CAC GAT GG |
| CCL22 | Forward | TAA CAT CAT GGC TAC CCT GCG |
| | Reserve | TGT CTT CCA CAT TGG CAC CA |
| TGF- β 1 | Forward | ACC AAG GAG ACG GAA TAC |
| | Reserve | TGT GGA GCT GAA GCA ATA |
| CD86 | Forward | ACG TAT TGG AAG GAG ATT ACA GCT |
| | Reserve | TCT GTC AGC GTT ACT ATC CCG C |
| iNOS | Forward | GCC ACC AAC AAT GGC AAC A |
| | Reserve | CGT ACC GGA TGA GCT GTG AAT T |
| IL-6 | Forward | TCT GAA GGA CTC TGG CTT TG |
| | Reserve | GAT GGA TGC TAC CAA ACT GGA |
| CD206 | Forward | GGC TTC CGT CAC CCT GTA TGC |
| | Reserve | ACC TTC CAT CTG CTC CAC AAT CC |
| Nrf2 | Forward | ATATCCCCAGCCACGCTGAAA |
| | Reserve | CTTGCTCCATGTCCTGCTCTAT |
| NQO1 | Forward | GCTGCAGACCTGGTGATATT |
| | Reserve | ACTCTCTCAAACCAGCCTTT |
| CCL24 | Forward | GCA GCA TCT GTC CCA AGG |
| | Reserve | GCA GCT TGG GGT CAG TAC A |
| FIZZL | Forward | CCA ATC CAG CTA ACT ATC CCT CC |
| | Reserve | CCA GTC AAC GAG TAA GCA CAG |
| CHI313 | Forward | TCA CTT ACA CAC ATG AGC AAG AC |
| | Reserve | CGG TTC TGA GGA GTA GAG ACC A |

Table 2 Information of antibodies

| Antibody | Information |
|---|-------------------------------------|
| APC anti-mouse CD45 Antibody | BioLegend, 103112 |
| PE anti-mouse F4/80 | BioLegend, 123110 |
| Alexa Fluor® 647 anti-mouse F4/80 | BioLegend, 123140 |
| FITC anti-mouse/human CD11b | BioLegend, 101206 |
| PerCP/Cy5.5 anti-mouse CD68 Antibody | BioLegend, 137010 |
| PerCP/Cy5.5 anti-mouse CD86 Antibody | BioLegend, 105028 |
| PerCP/Cy5.5 anti-mouse CD206 Antibody | BioLegend, 141716 |
| Antibody against Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) | Cell Signaling Technology, 4370 |
| Antibody against p44/42 MAPK (Erk1/2) | Cell Signaling Technology , 4695 |
| Antibody against Phospho-Akt (Ser473) | Cell Signaling Technology , 4060 |
| Antibody against NRF2 | Proteintech, 16396-1-AP |
| Antibody against Lamin B | Santa Cruz Biotechnology, sc-6216 |
| Antibody against GAPDH | Santa Cruz Biotechnology, sc-365062 |