Supplementary data

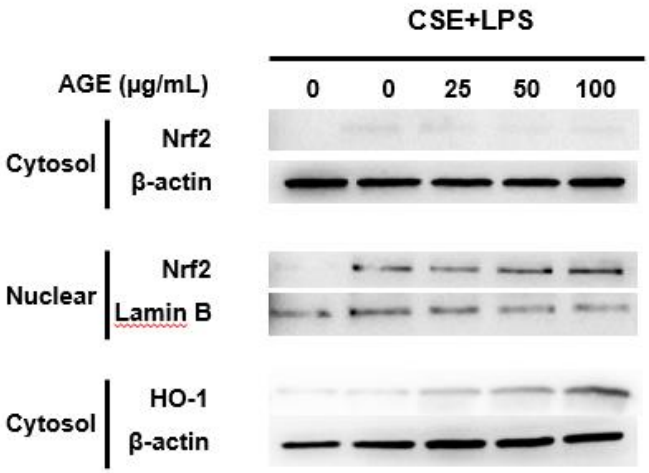

Figure S1. Effect of the *Artemisia gmelinii* ethanol extract (AGE) on the activation of Nrf2/HO-1 pathways in the MH-S macrophages. To determine the activation of Nrf2/HO-1 pathways, MH-S macrophages were pre-treated with 25, 50, 100 μg/mL of AGE for 2 h and then treated with CSE (1%)/LPS (10 ng/mL) for 2 h (Nrf2) and 12h (HO-1), respectively**.** Protein expression of Nrf2, HO-1, β-actin, and lamin B1 was assessed by western blotting. MH-S macrophages were collected in DPBS and lysed in an ice-cold cell lysis buffer with protease inhibitor to extract protein. The concentration of extracted proteins in each sample was measured using the Bradford protein assay. Forty micrograms of the protein mixture from each sample was loaded into the wells of Mini-PROTEAN® TGX™ Precast Gels. After electrophoresis, the proteins in the gels were transferred onto western blotting filter membranes for 50 min at 25 V, using a Pierce G2 Fast Blotter (Thermo Fisher Scientific). After the transfer, membranes were blocked with 5% skim milk in PBS-Tween 20 (PBST) for 30 min at room temperature. Then, the membranes were incubated with diluted Nrf2, HO-1, β-actin, and lamin B1 antibodies overnight at 4℃. The next day, the membranes were washed three times with PBST for 5 min. After washing, the membranes were incubated with anti-mouse or rabbit IgG antibodies conjugated with HRP for 1 h at room temperature and washed three times with PBST for 5 min. Protein bands were quantified using a Fusion Solo S (Vilber, Lamirault, France).