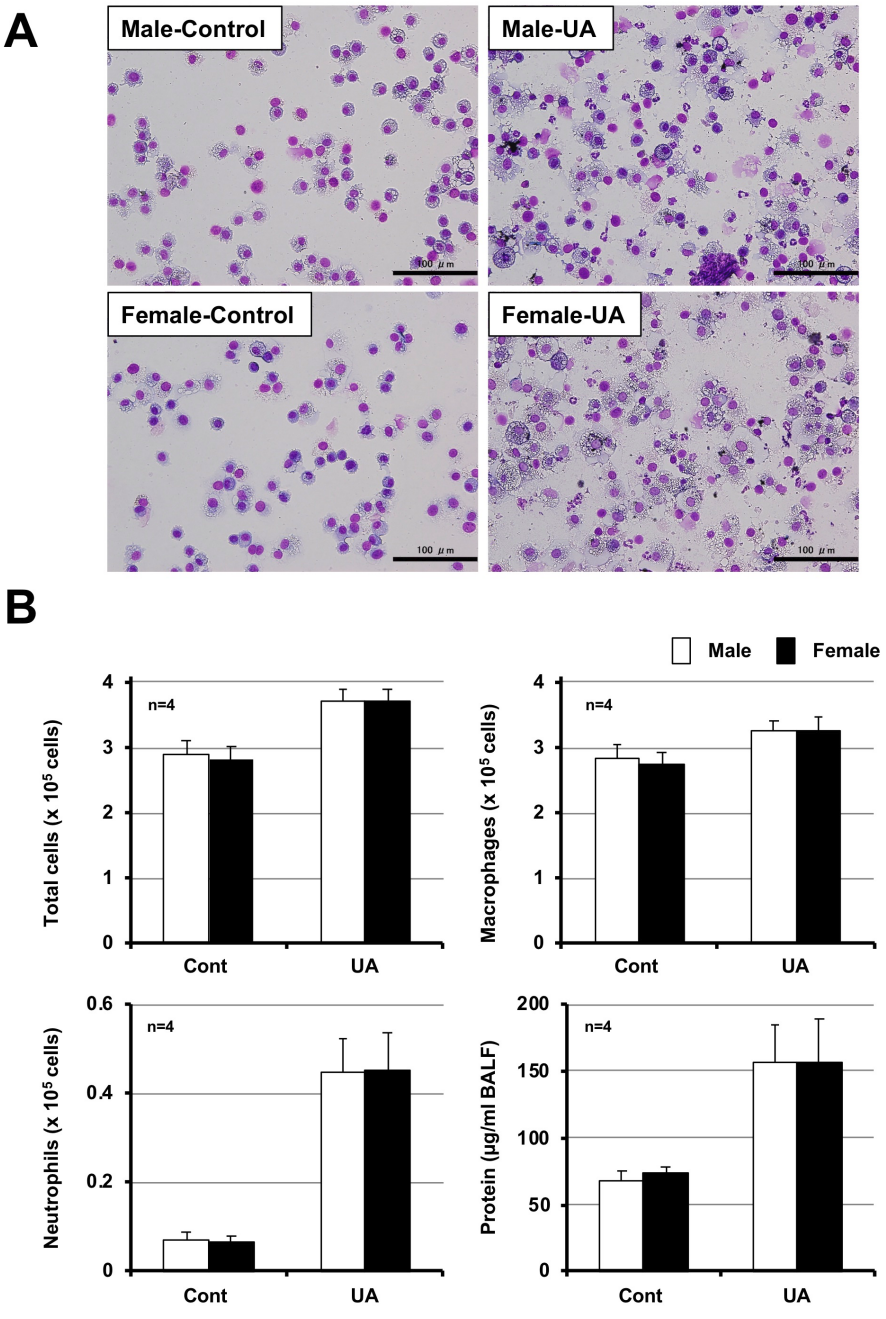
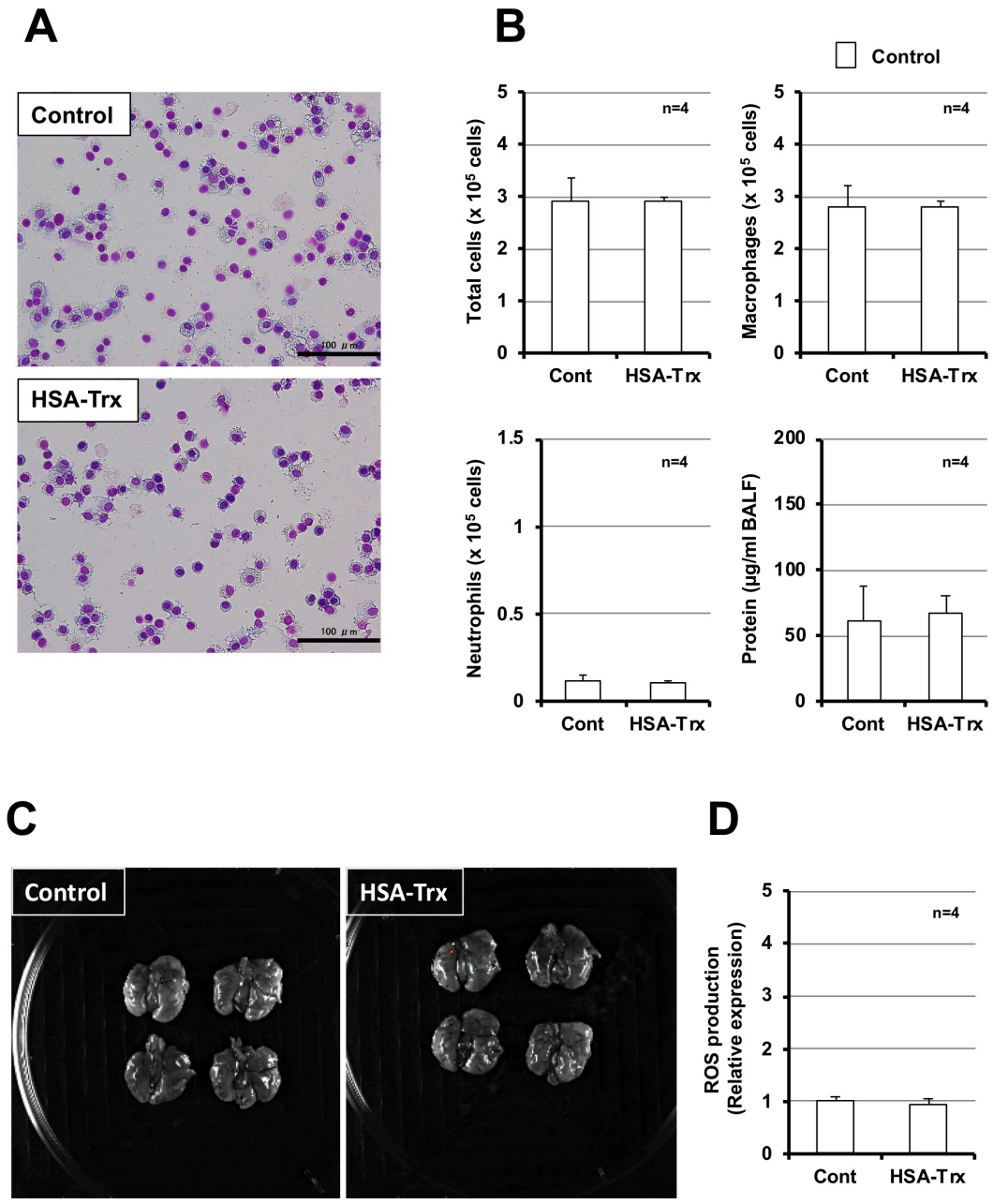
Supplementary Figure S1



Supplementary Fig. S1. Urban aerosol-induced lung injury in male or female mice
Male or female ICR mice were intravenously administered sterile saline alone, immediately before and 24 h after intratracheal administration of urban aerosol particle suspensions administration (200 μg/mouse) or 0.5% methylcellulose solution alone (Cont). BALFs were prepared 48 h after the intratracheal administration. (A) BALF cells were deposited onto slides using a Cytospin® 4 cytocentrifuge then stained with Diff-Quik reagents and visualized under light microscopy (scale bar, 100 μm). (B) The numbers of total cells, macrophages, and neutrophils were determined. The amount of protein present in the BALF was determined using the Bradford method. Values are the mean ± S.E.M.

Supplementary Figure S2



Supplementary Fig. S2. Effect of administering HSA-Trx alone

Male ICR mice were intravenously administered HSA-Trx (3.5 nmol protein/mouse in sterile saline) or sterile saline alone, immediately before and 24 h after intratracheal administration of 0.5% methylcellulose solution. BALFs were prepared 48 h after intratracheal administration of 0.5% methylcellulose solution. (A) BALF cells were deposited onto slides using a Cytospin® 4 cytocentrifuge then stained with Diff-Quik reagents and visualized under light microscopy (scale bar, 100 μm). (B) The numbers of total cells, macrophages, and neutrophils were determined. The amount of protein present in the BALF was determined by the Bradford method. (C) Luminescent probe (L-012, 75 mg/kg) was administered 24.5 h after the 0.5% methylcellulose solution administration. Isolated lungs were imaged using a FUSION chemiluminescence imaging system. (D) The summed pixel intensity of the ROS signal was determined using standard software for FUSION. Values are the mean ± S.E.M.