

# **PAGE**

**Jason Wang, Adrian Richards, Christina Black**

**Blood transfusion centre of Slovenia - Zavod Republike Slovenije za  
transfuzijsko medicino**

Figure 1. Effects of H<sub>2</sub>O<sub>2</sub> on the expression of proinflammatory cytokines IL-8 (IL-8) and TNF-alpha (TNF-alpha) in human monocytes. Human monocytes were treated with H<sub>2</sub>O<sub>2</sub> and IL-8 for 24 h, and were then subjected to staining of IL-8 and TNF-alpha with white arrows in the panel. (A) Representative images of hMDM cells were obtained. The arrows indicate the percentage of cells in the incubation time-course. (B) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. IL-8 (2.2 and 6.9 g/mL) and TNF-alpha (6.9 and 11.7 g/mL) were analyzed by Western blotting. (C) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (D) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (E) Representative images of hMDM cells were taken with various concentrations of IL-8. (F) Representative images of hMDM cells were taken with various concentrations of IL-8. (G) Representative images of hMDM cells were taken with various concentrations of IL-8. (H) Representative images of hMDM cells were taken with various concentrations of IL-8. Figure 2. Effects of H<sub>2</sub>O<sub>2</sub> on IL-8 expression in human monocytes. Human monocytes were treated with H<sub>2</sub>O<sub>2</sub> and IL-8 for 24 h, and the percentage of cells in the incubation time-course was tested. (A) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (B) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (C) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (D) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (E) Representative images of hMDM cells were photographed with various concentrations of IL-8. (F) Representative images of hMDM cells were taken with various concentrations of IL-8. (G) Representative images of hMDM cells were taken with various concentrations of IL-8. (H) Representative images of hMDM cells were photographed with various concentrations of IL-8. (I) Representative images of hMDM cells were photographed with various concentrations of IL-8. Figure 3. Effects of H<sub>2</sub>O<sub>2</sub> on IL-8 expression in human monocytes. Human monocytes were treated with H<sub>2</sub>O<sub>2</sub> and IL-8 for 24 h, and IL-8 and TNF-alpha were analyzed by Western blotting after addition of IL-8 to monocytes. (A) Representative images of hMDM cells were taken with various concentrations of IL-8. (B) Representative images of hMDM cells were taken with various concentrations of IL-8. (C) Representative images of hMDM cells were taken with various concentrations of IL-8. (D) Representative images of hMDM cells were taken with various concentrations of IL-8. (E) Representative images of hMDM cells were taken with various concentrations of IL-8. (F) Representative images of hMDM cells were taken with various concentrations of IL-8. (G) Representative images of hMDM cells were taken with various concentrations of IL-8. Figure 4. Effects of H<sub>2</sub>O<sub>2</sub> on IL-8 expression in human monocytes. Human monocytes were treated with H<sub>2</sub>O<sub>2</sub> and IL-8 for 24 h, and were then subjected to staining with IL-8 and TNF-alpha. (A) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (B) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (C) Representative images of hMDM cells were taken with various concentrations of H<sub>2</sub>O<sub>2</sub>. (D) Representative images of hMDM cells were taken with various concentrations of IL-8. (E) Representative images of hMDM cells were taken with various concentrations of IL-8. (F) Representative images of hMDM cells were taken with various concentrations of IL-8. (G) Representative images of hMDM cells were taken with various concentrations of IL-8. (H) Representative images of hMDM cells were taken with various concentrations of IL-8. (I) Representative images of hMDM cells were taken with various concentrations of IL-8.

representative images of hMDM cells were taken with various concentrations of IL-8. (E) Representative images of hMDM cells were taken with various concentrations of IL-8. (F) Representative images of hMDM cells were taken with various concentrations of IL-8. See also Figure S1 and Figure S2. Author Contributions Conceived and designed the experiments: XC JY LJ. Performed the experiments: XC XC XC XC. Analyzed the data: XC YC XC YC XC. Contributed reagents/materials/analysis tools: XC XC XC. Wrote