

Supplementary Materials: Stable Toll-Like Receptor 10 Knockdown in THP-1 Cells Reduces TLR-Ligand-Induced Proinflammatory Cytokine Expression

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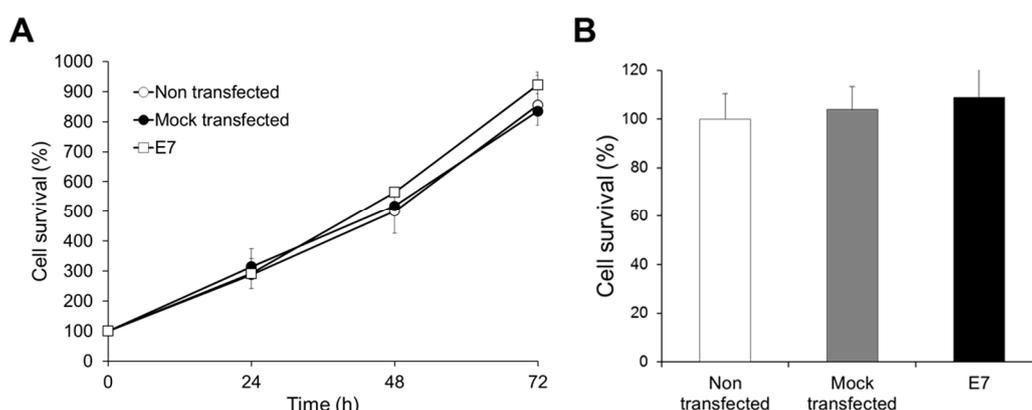


Figure S1. Growth rate of TLR10 knockdown cells. Cell viability and proliferation were determined with both trypan blue exclusion (A) and Ez-Cytox cell viability assay (B), which is based on the cleavage of the tetrazolium salt to water-soluble formazan by succinate-tetrazolium reductase. Cells were incubated with 10 μ L of Ez-Cytox solution for 6 h in the 37 $^{\circ}$ C. Then, absorbance was measured using the ELISA Reader at 450 nm. There were no significant differences among three groups.

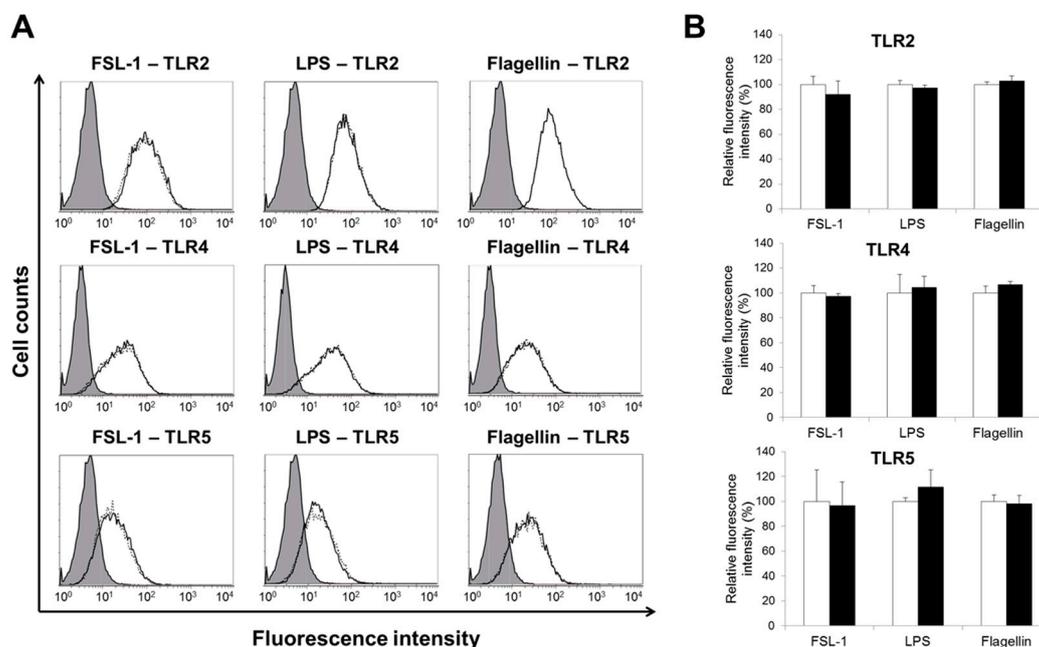


Figure S2. Cell surface expression of Toll-like receptor 2, 4, and 5 of TLR10 knockdown cells after treatment with FSL-1, LPS, and flagellin. TLR10 knockdown cells were treated with 100 ng/mL of synthetic diacylated lipoprotein (FSL-1), lipopolysaccharide (LPS) or flagellin for 4 h and were then analyzed for cell surface expression of TLR2, 4, and 5 by fluorescence-activated cell sorting (FACS). (A) Gray shaded area, negative control; histogram with solid line, TLR-ligand untreated cells; histogram with dotted line, TLR-ligand treated cells (B) White bar, TLR-ligand untreated cells; black bar, TLR-ligand treated cells.

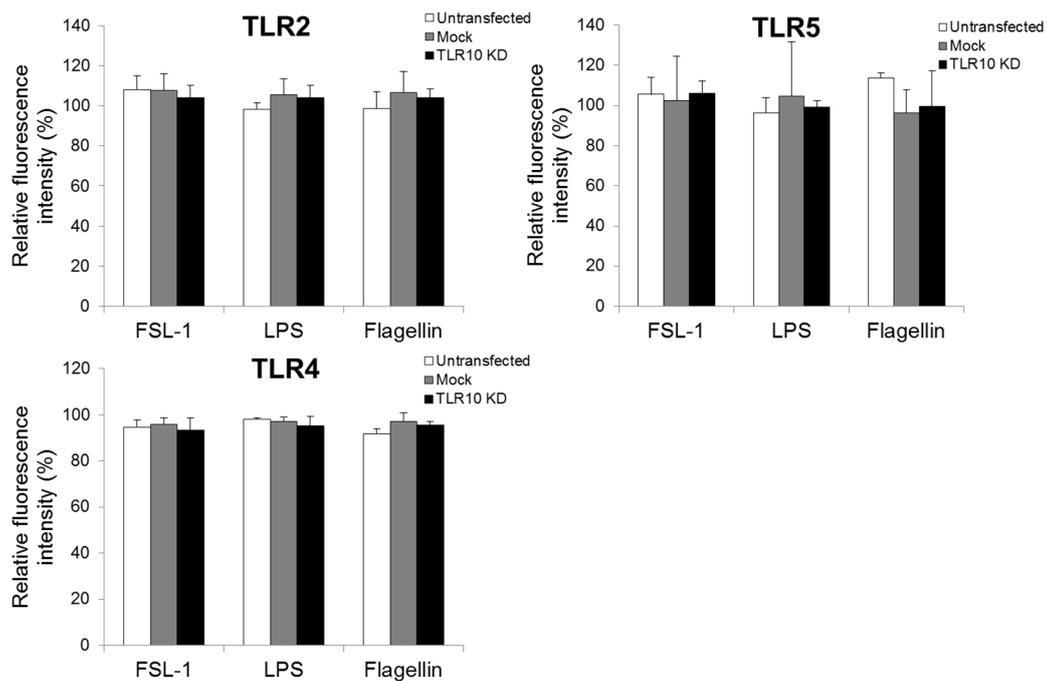


Figure S3. Cell surface expressions of TLR2, 4, and 5 of untransfected, mock-transfected and TLR10 knockdown cells after treatment with FSL-1, LPS, and flagellin. Cells were treated with 100 ng/mL of FSL-1, LPS or flagellin for 4 h and were then analyzed for cell surface expression of TLR2, 4, and 5 by FACS.