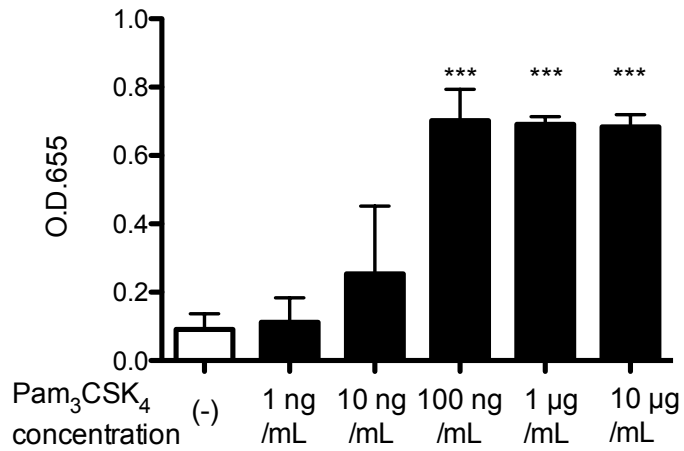
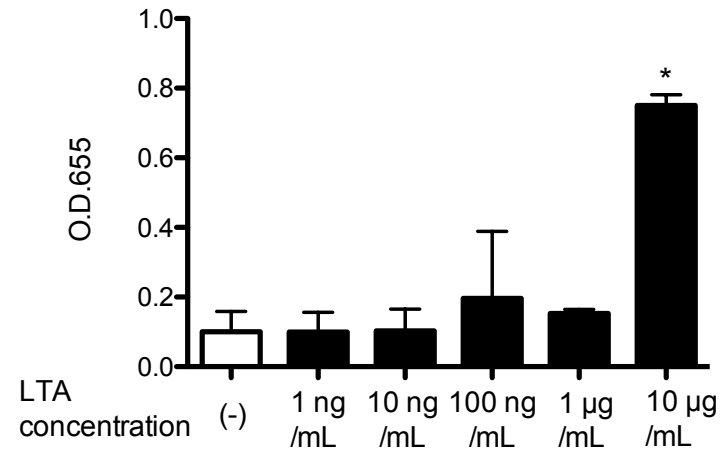


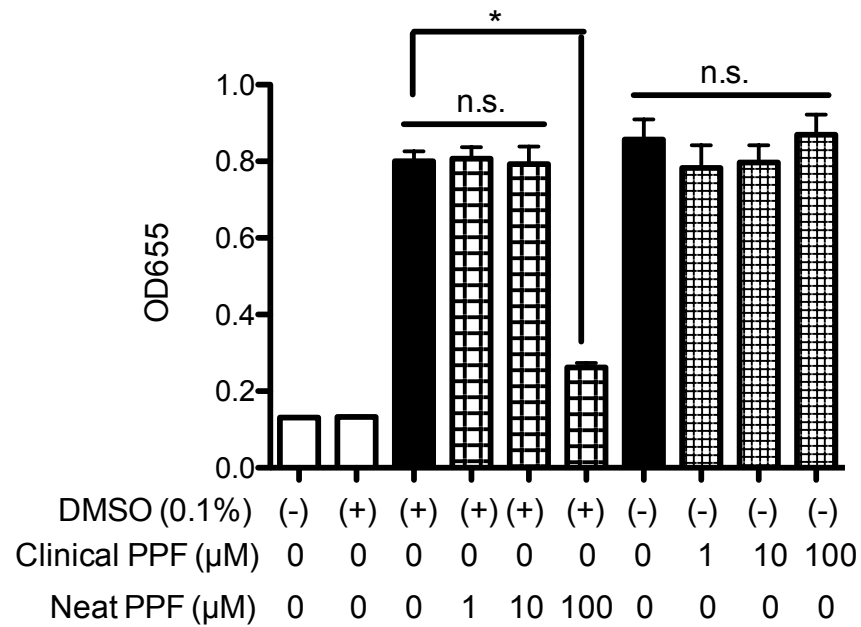
(A)



(B)

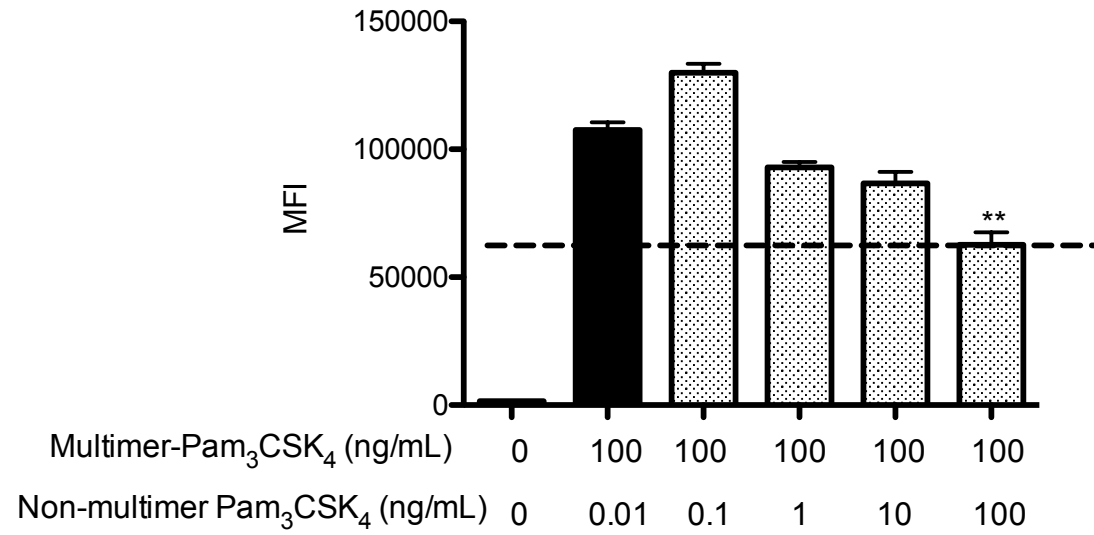


Supplemental Figure 1. Dose dependent response of THP-1 cells to TLR2 agonists The degree of NFκB activation of THP-1 cells was examined under the stimulation by TLR1/TLR2 agonist Pam₃CSK₄ (A) and TLR2/6 agonist LTA (B) at a range of concentrations. Data were shown as mean +/- S.D. 8 independent replicates were used per group. Statistical analysis was performed using Kruskal-Wallis test with Dunns *post hoc* analysis. * and *** correspond to adjusted $p < 0.05$ and < 0.001 , respectively.



Supplemental Figure 2. The effect of clinically used propofol on TLR1/TLR2 activation

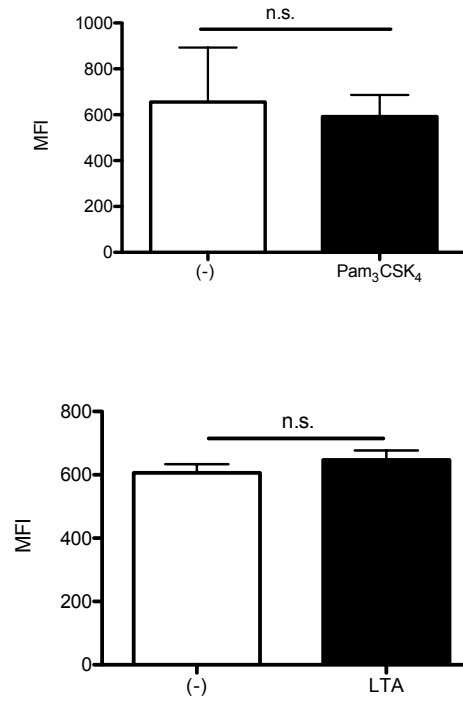
The NFκB activation of THP-1 cells was examined under TLR1/TLR2 agonist Pam₃CSK₄ in the presence of clinically used propofol (clinical PPF) and propofol compound only (neat PPF) at a range of concentrations. Because propofol compound was dissolved in DMSO, corresponding samples were subjected to 0.1% DMSO exposure. Data were shown as mean \pm S.D. 8 independent replicates were used per group. Statistical analysis was performed using Kruskal-Wallis test with Dunns *post hoc* analysis. * to adjusted $p < 0.05$.



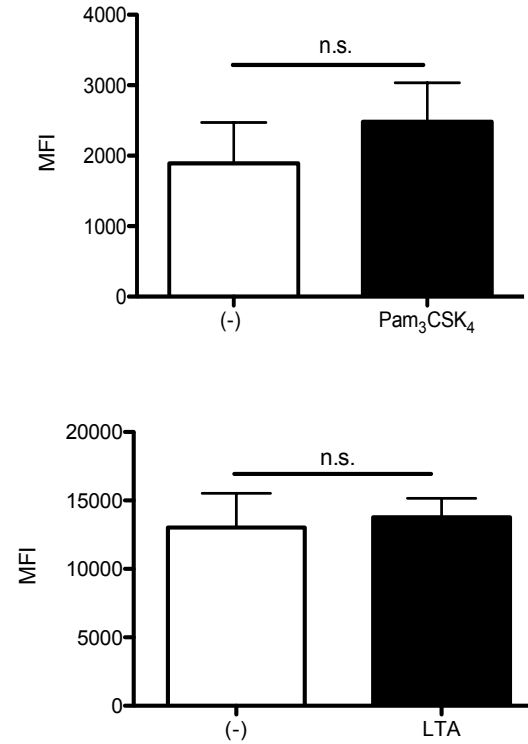
Supplemental Figure 3. Competitive assay between Pam₃CSK₄ multimer and non-multimer Pam₃CSK₄ itself

The binding of Pam₃CSK₄ multimer (Pam₃CSK₄-biotin + streptavidin-APC) to HEK-TLR2 was tested in the presence of non-multimer Pam₃CSK₄ at a range of concentrations. Data were shown as mean +/- S.D. 6 independent replicates were used per group. Statistical analysis was performed using Kruskal-Wallis test with Dunns *post hoc* analysis. * to adjusted $p < 0.05$. At the concentration of multimer Pam₃CSK₄: non-multimer Pam₃CSK₄ = 1:1, the binding of Pam₃CSK₄ multimer was significantly reduced.

(A)



(B)



Supplemental Figure 4. The effect of Pam₃CSK₄ and LTA stimulation on neutrophil phagocytosis and reactive oxygen species production. Neutrophil phagocytosis (A) and reactive oxygen species production (B) under Pam₃CSK₄ (100 ng/mL) or LTA (10 µg/mL) stimulation were examined. Data were shown as mean +/- S.D. 6 independent replicates were used. Statistical analysis was performed using Mann-Whitney test. No statistical difference was observed (n.s. = not significant).