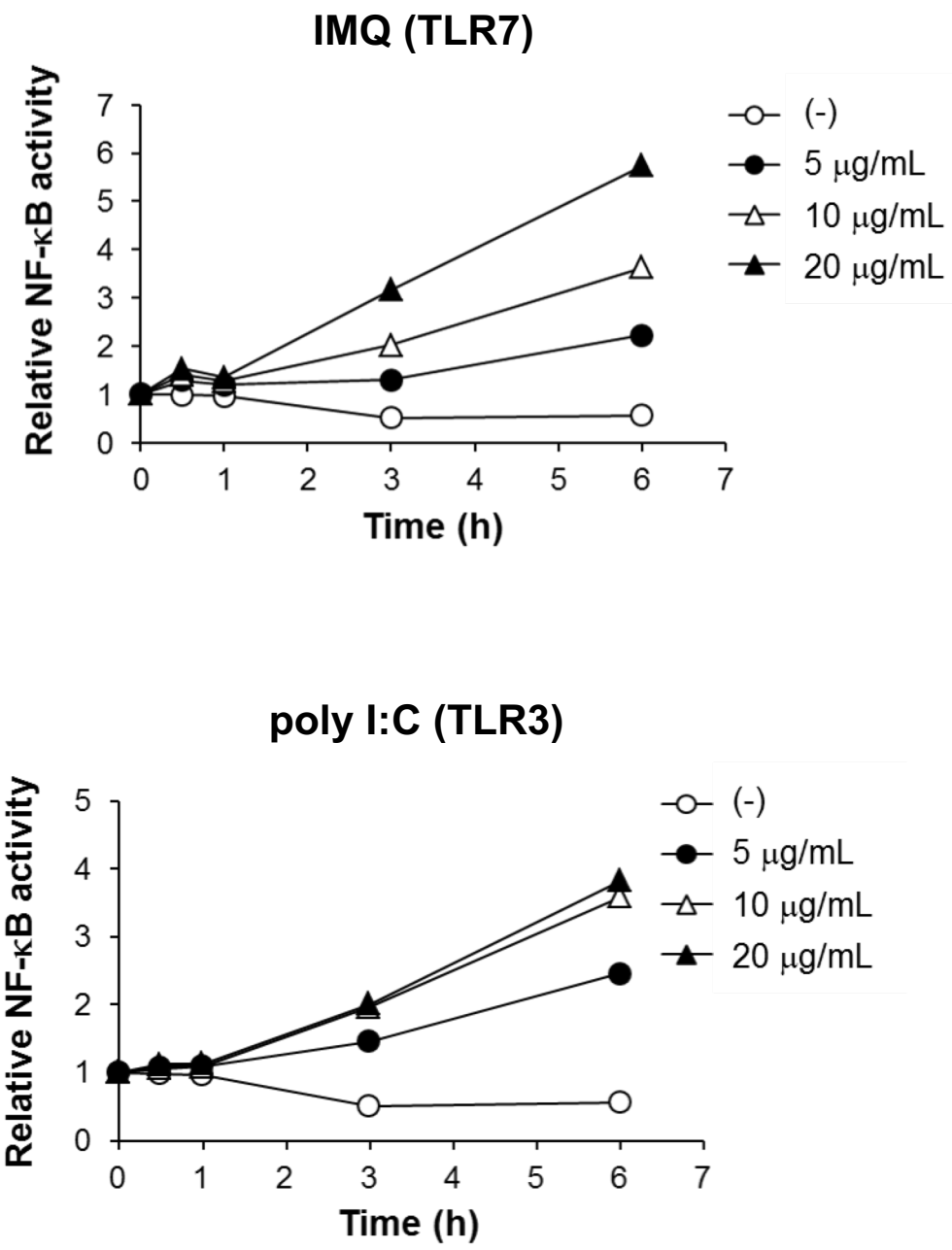
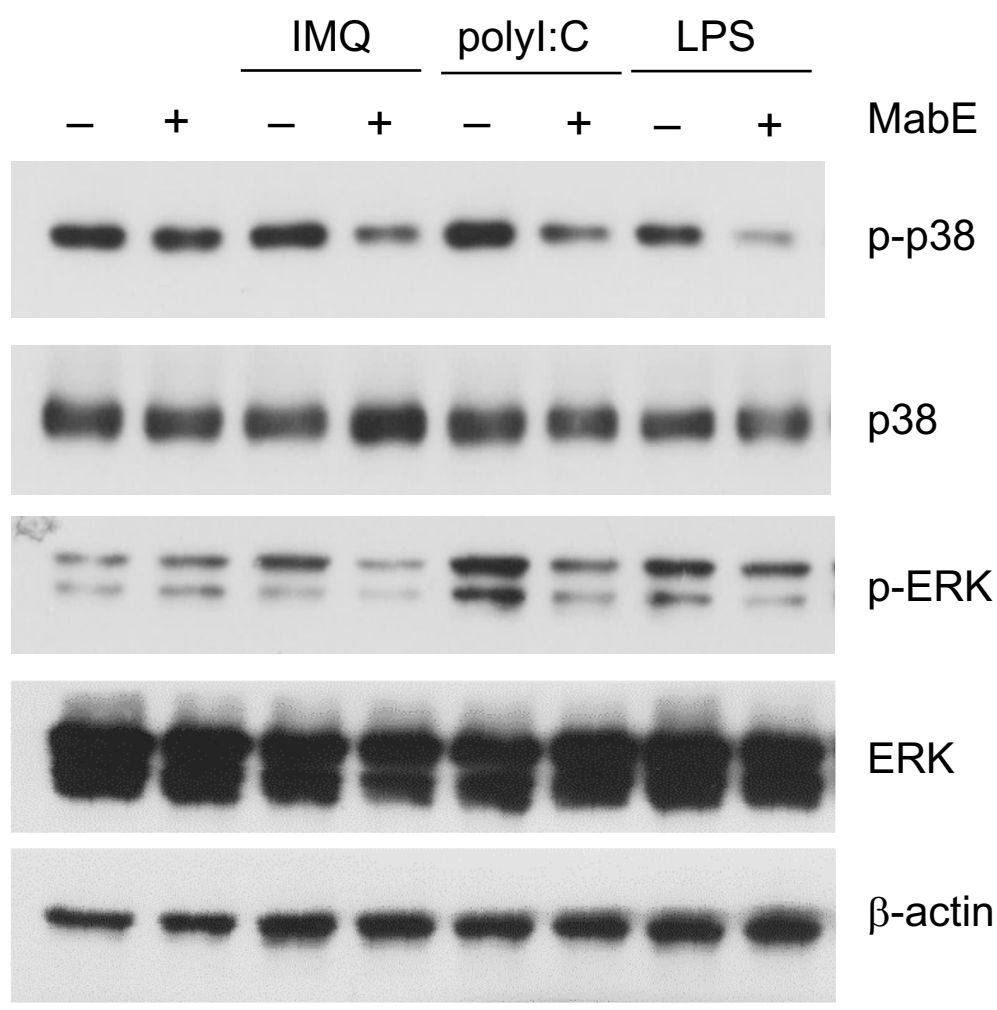


Supplementary Figure 1.

Response of RAW264.7-NFkB-Luc2 cells to different TLR ligands.

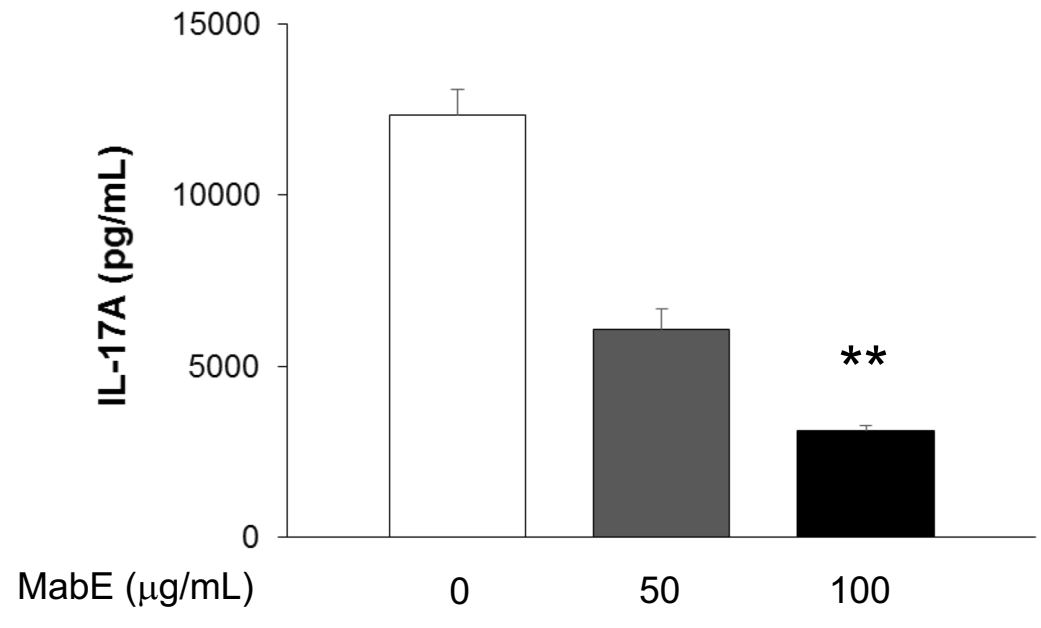
TLR stimulation-induced activation of the NF-kB pathway in RAW264.7-NFkB-Luc2 cells. Cells (5x10⁴ cells/well) were seeded onto 96-well plates and stimulated with IMQ, polyI:C or LPS for 0-6 hours. Luciferase activity was measured at the indicated time and the relative activity compared with untreated control cells was measured.



Supplementary Figure 2.

MabE inhibits the TLR ligand-induced activation of MAPK signals in RAW264.7 cells.

RAW264.7 cells (10^6 cells/well) were seeded onto 6-well plates and pretreated with MabE (25 mg/mL) or culture medium. After 1 hour, they were stimulated with each TLR ligands (IMQ: 20 mg/mL, polyI:C: 20 mg/mL or LPS: 100 ng/mL) for 3 hours. Equal amounts of protein in cell lysates were analyzed by Western blotting. The b-actin protein levels were used to confirm that equal amounts of protein were subjected to electrophoresis.



Supplementary Figure 3.

MabE directly suppresses IL-17A production from splenocytes stimulated with PMA/ionomycin

Naïve Balb/c splenocytes were incubated with or without MabE (50 or 100 mg/mL) for 1 hour, and then stimulated with PMA (10 ng/mL) and ionomycin (500 ng/mL) for 24 hours. The cell-free culture supernatants were collected and the IL-17A concentration was measured by ELISA. Data are presented as the mean ± SEM. **p<0.01. The presented data are representative of three independent experiments.