

SAC REPORT

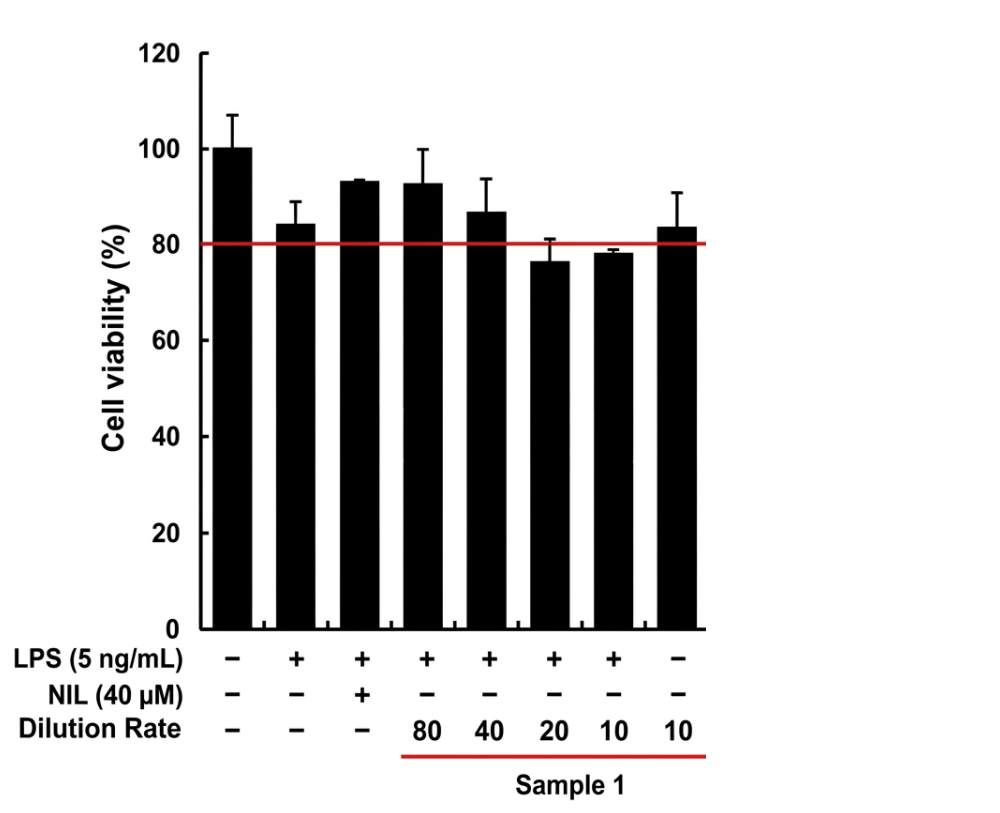
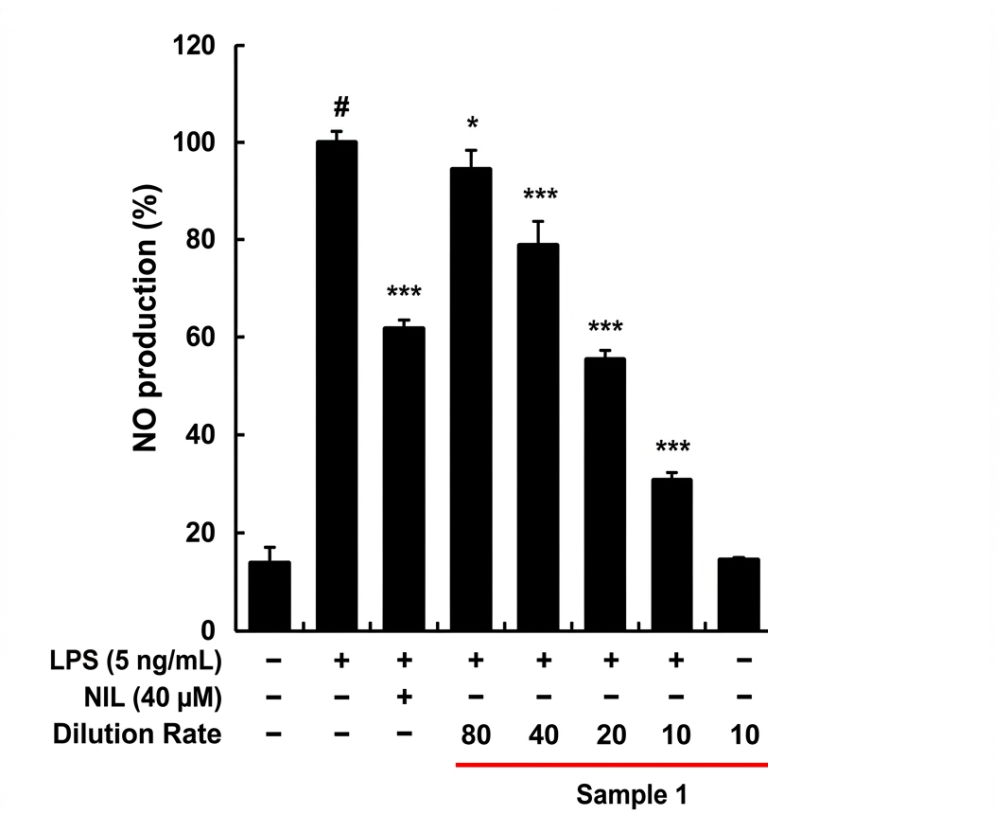


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Effect of Sac on LPS-induced Cell viability & NO Production

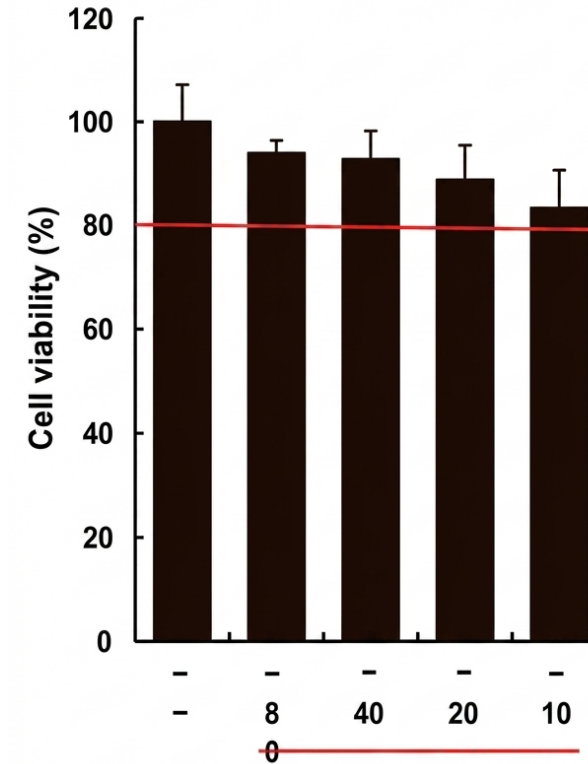
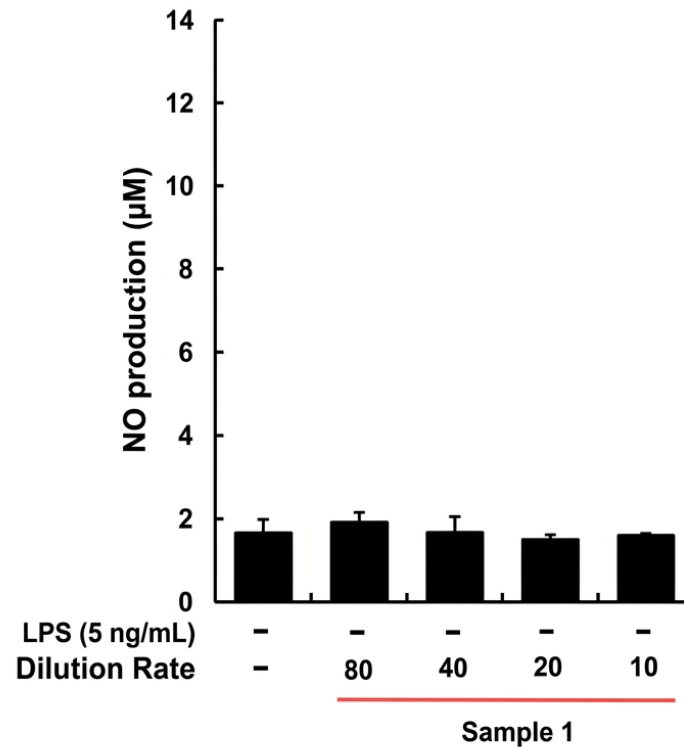
Diluted in culture medium



No immunostimulatory effect was observed across the entire concentration range.
No cytotoxicity was observed across the entire concentration range.

Effect of Sac on Cell Viability & NO Production (Macrophage activation)

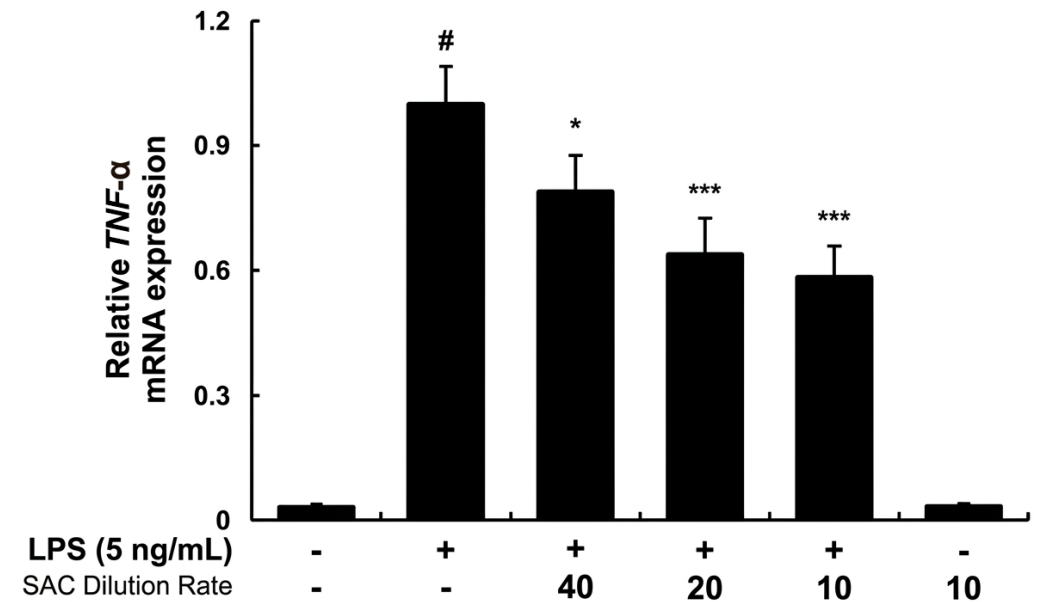
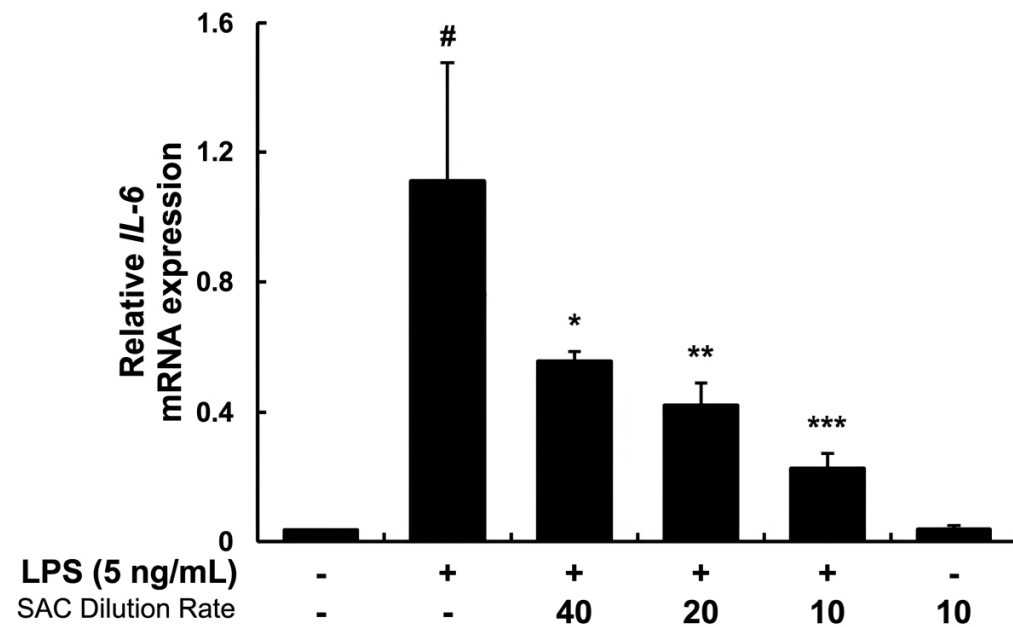
Diluted in culture medium



A significant decrease in NO production was observed at 40×, 20×, and 10× dilutions. Weak cytotoxicity was observed at 20× and 10× dilutions (76% and 77%, respectively); however, since no cytotoxicity was observed in the Sample 1-only treatment group, this is presumed to be due to variability associated with LPS.

Effect of SAC on LPS-induced IL-6 TNF- α mRNA Expression in RAW 254.7 macrophages

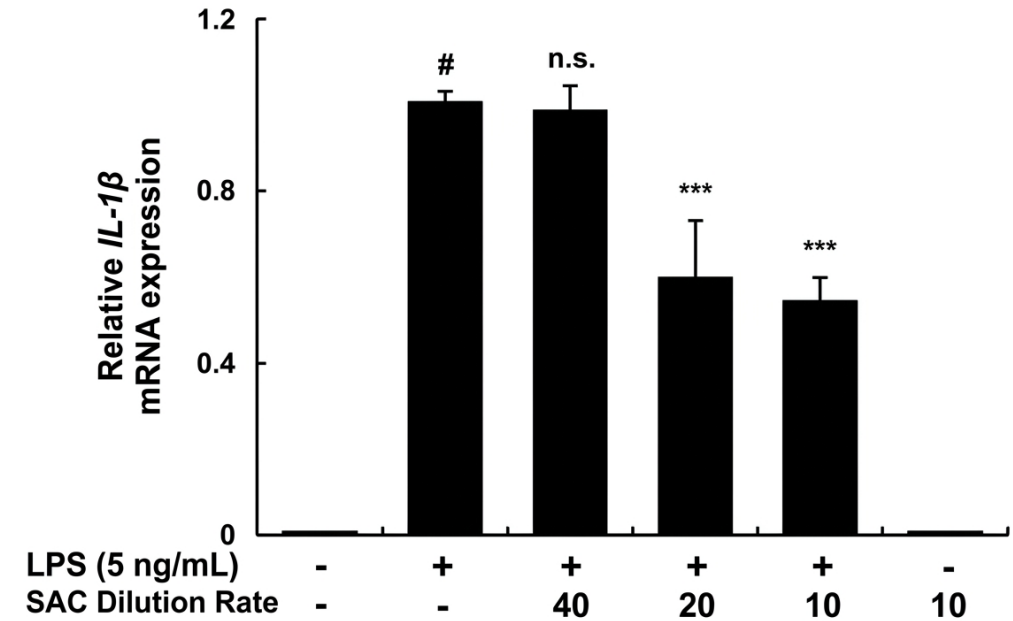
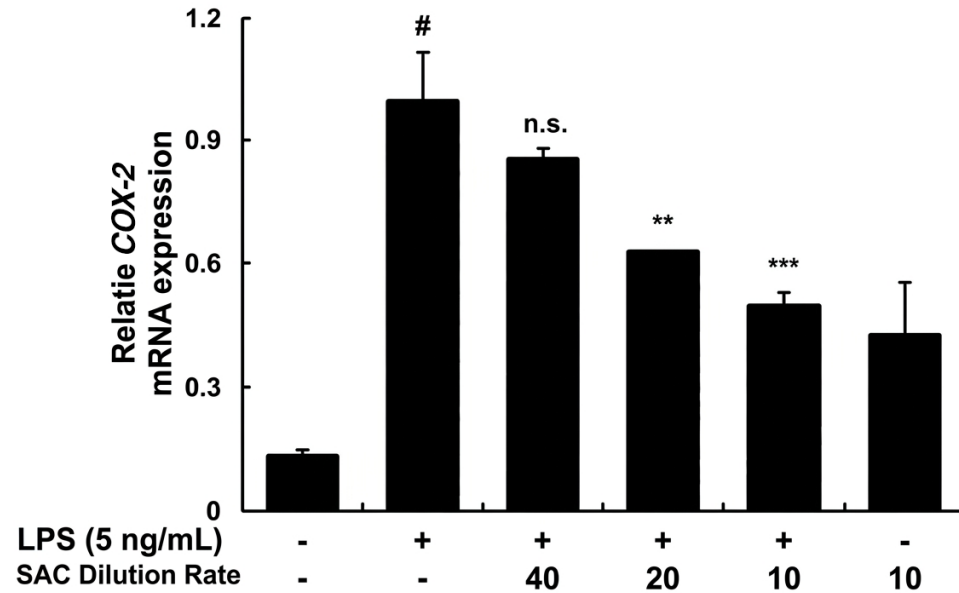
Diluted in culture medium



A concentration-dependent decrease in cytokine levels was observed following LPS induction compared to the CON

Effect of SAC on LPS-induced COX-2 and IL-1 β mRNA Expression in RAW 264.7 Macrophages

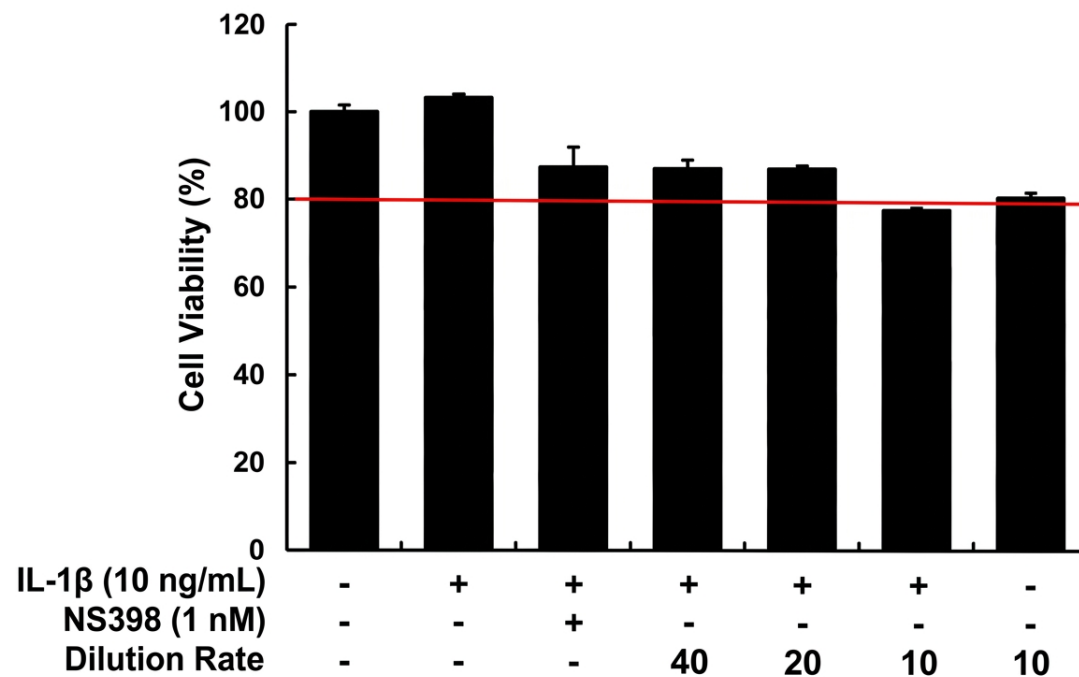
Diluted in culture medium



A concentration-dependent decrease in cytokine levels and COX-2 expression was observed following LPS induction compared to the CON

Effect of SAC on IL-1 β -induced Cell Viability in hGF-1 cells

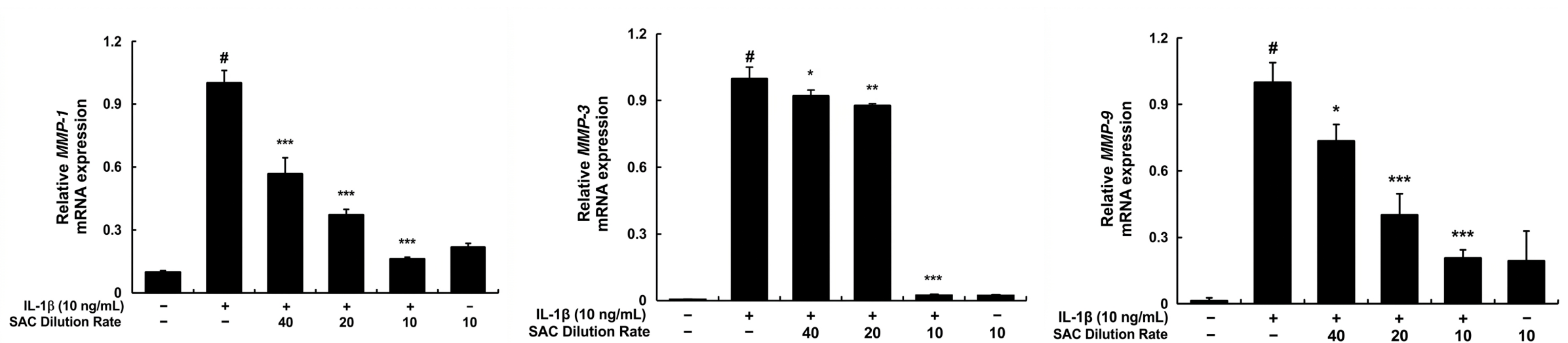
Diluted in culture medium



Weak cytotoxicity was observed at a 10 $\times$ dilution (77.30%); however, since no cytotoxicity was observed in the Sample 1-only treatment group, this is presumed to be due to variability associated with IL-1 β .

Effect of SAC on IL-1 β -induced MMP-1, -3, and -9 mRNA Expression in hGF-1 Cells

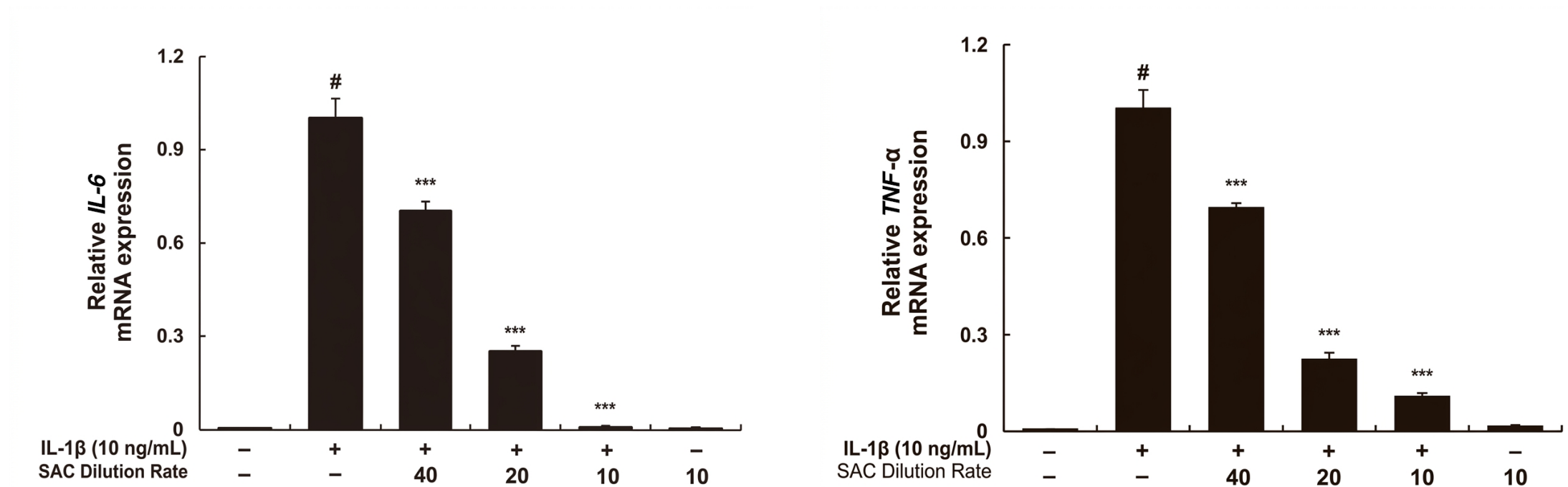
Diluted in culture medium



A concentration-dependent decrease in MMP levels was observed following IL-1 β induction compared to the CON

Effect of SAC on IL-1 β -induced IL-6 and TNF α mRNA Expression in hGF-1 Cells

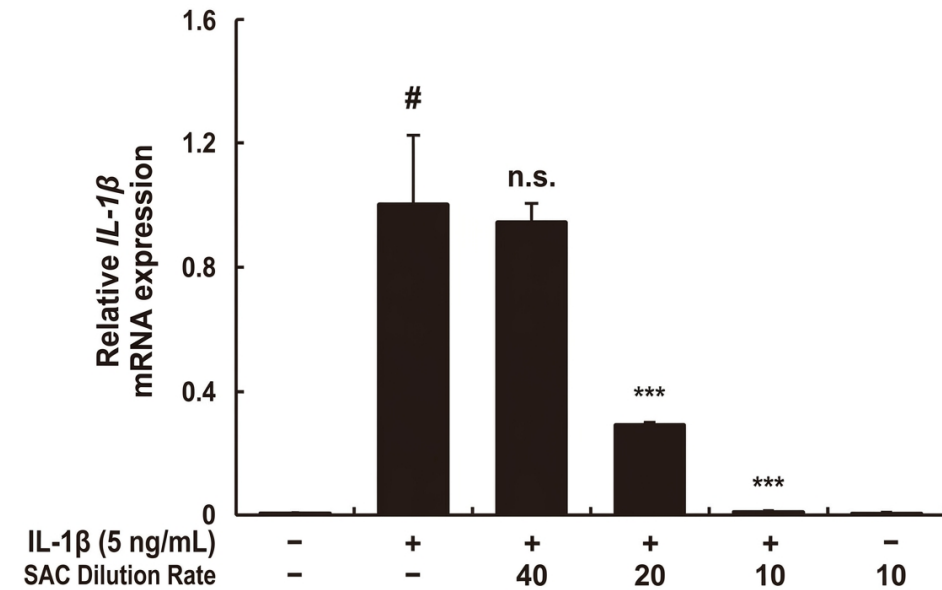
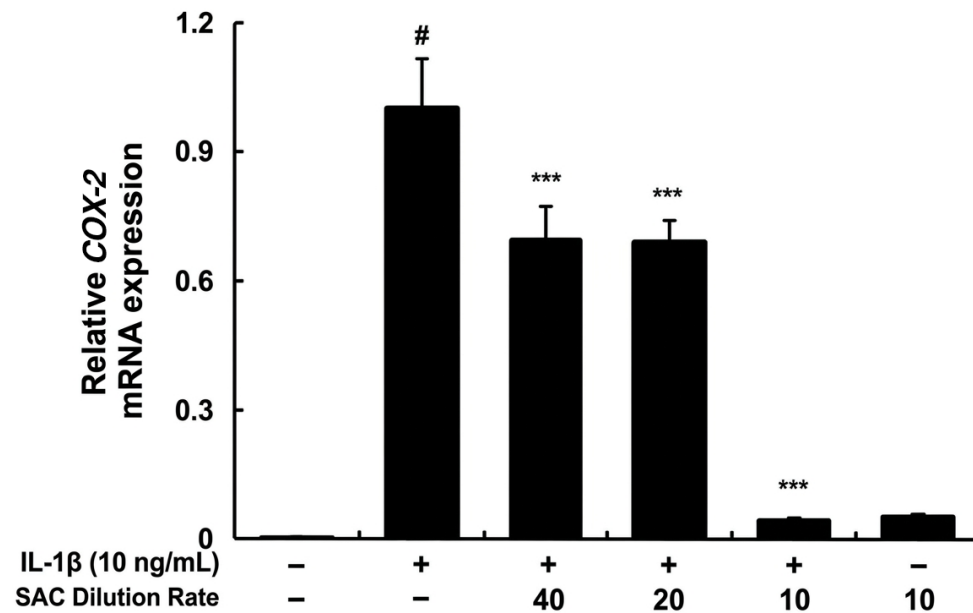
Diluted in culture medium



A concentration-dependent decrease in cytokine levels was observed following IL-1 β induction compared to the CON

Effect of SAC on IL-1 β -induced COX-2 and IL-1 β mRNA Expression in hGF-1 Cell

Diluted in culture medium



A concentration-dependent decrease in cytokine and COX-2 mRNA expression was observed following IL-1 β induction compared to the CON