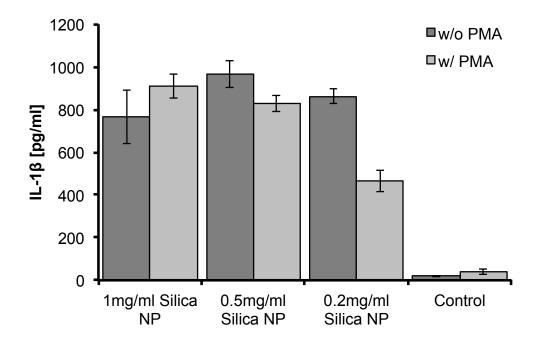
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**Supplementary Figure 1.** The secretions of IL-1 $\beta$  by THP-1 cells treated with silica NP. THP-1 cells were differentiated with or without PMA prior to LPS priming, and then were stimulated with Silica NP at concentrations ranging from 0.2 mg/ml to 1 mg/ml. Untreated cells were used as a negative control (Control). IL-1 $\beta$  secreted by stimulated THP-1 cells were collected after 24 h and quantified by ELISA. Values are mean  $\pm$  S.D.