

Supplementary Information

P2X7 receptor activation leads to NLRP3-independent IL-1 β release by human macrophages

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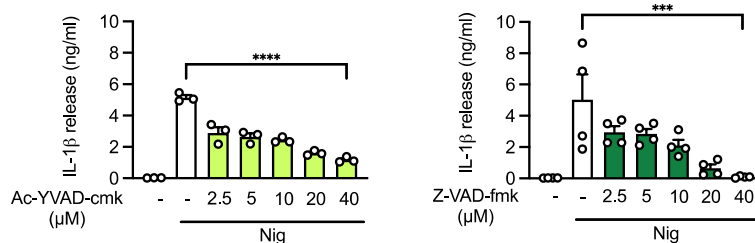


Figure S1. THP-1 macrophages were primed with Pam₃CSK₄ and then stimulated with nigericin for 3 h. Inhibitors of caspase-1 (Ac-YVAD-cmk) or pan-caspase (Z-VAD-fmk) in increasing concentrations were added 1 h before stimulation. IL-1 β concentration in the supernatants was analyzed by ELISA. Mean + SEM (n = 3 - 4). One-way ANOVA followed by Dunnett's post-test, ***P $\leq$ 0.001, ****P $\leq$ 0.0001.

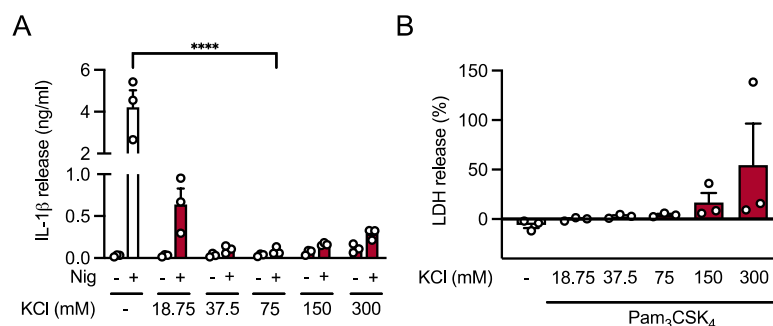


Figure S2. THP-1 macrophages were primed with Pam₃CSK₄. Potassium chloride was added in increasing concentrations (A) together with or (B) without nigericin for 3 h. (A) IL-1 β concentration in the supernatants was analyzed by ELISA. Mean + SEM (n = 3). (B) LDH release in the supernatants was analyzed. Results are expressed as % of maximal LDH-release. Mean + SEM (n = 3). One-way ANOVA followed by Dunnett's post-test, ****P $\leq$ 0.0001.

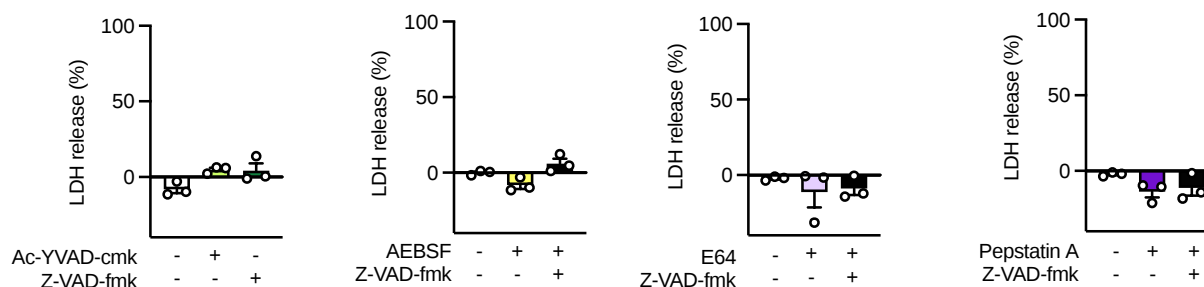


Figure S3. THP-1 macrophages were primed with Pam₃CSK₄ and then incubated with cell culture media for 3 h. Inhibitors of caspase-1 (Ac-YVAD-cmk) or pan-caspase (Z-VAD-fmk), serine protease (AEBSF), cysteine protease (E64), aspartic protease (pepstatin A) were added 1 h before incubation. LDH release in the supernatants was analyzed. Results are expressed as % of maximal LDH-release. Mean + SEM (n = 3).