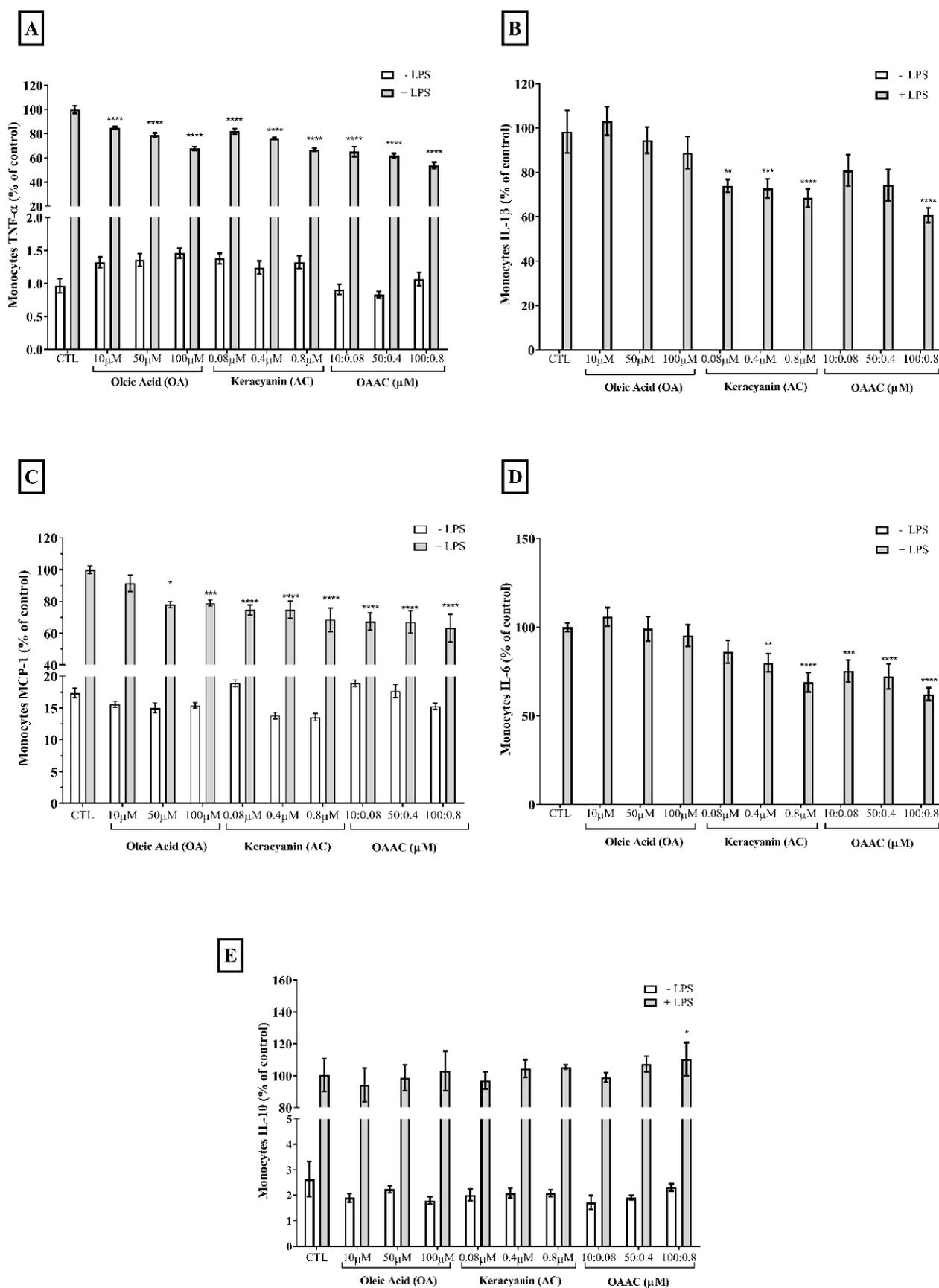
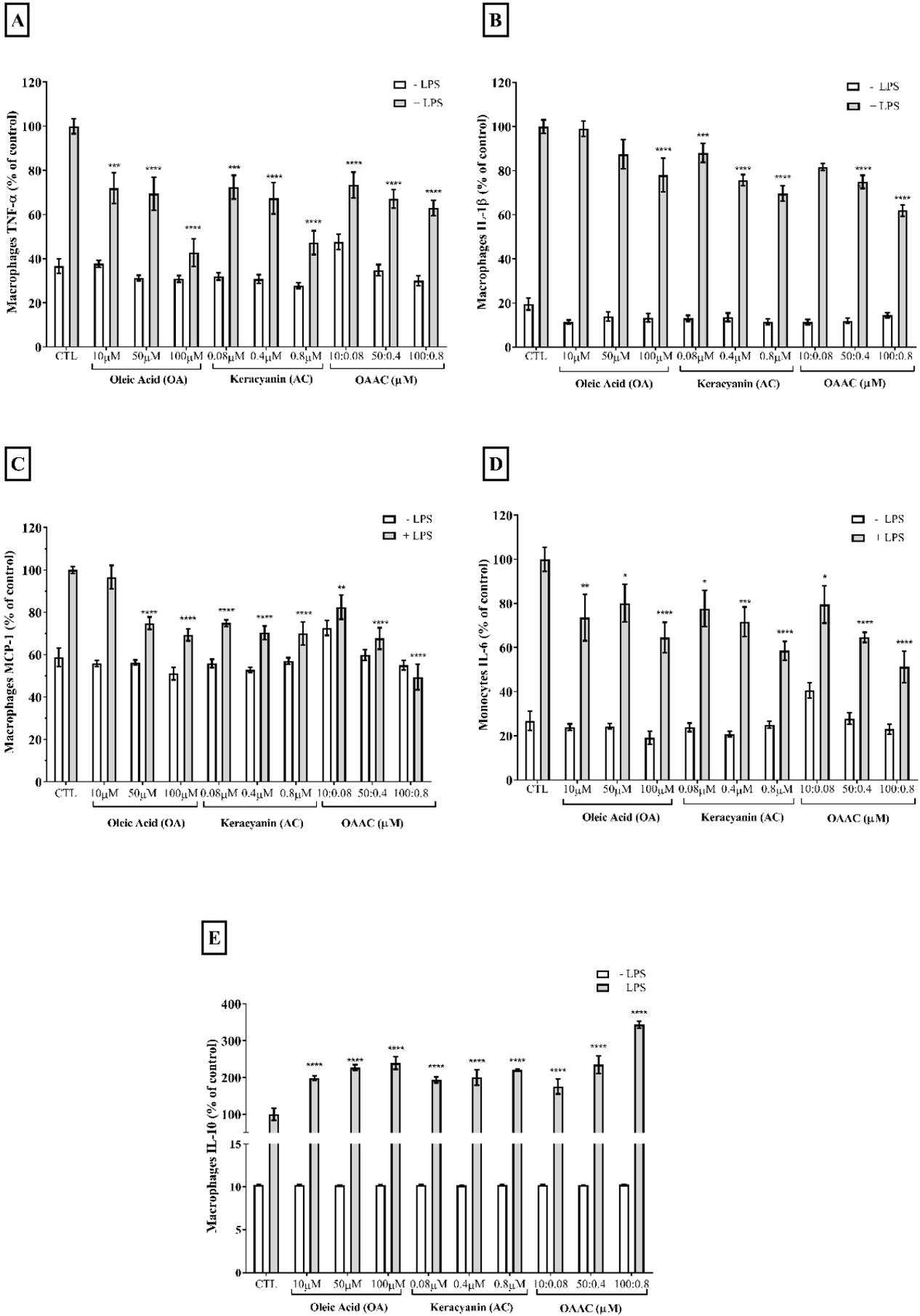


Electronic Supplementary Information

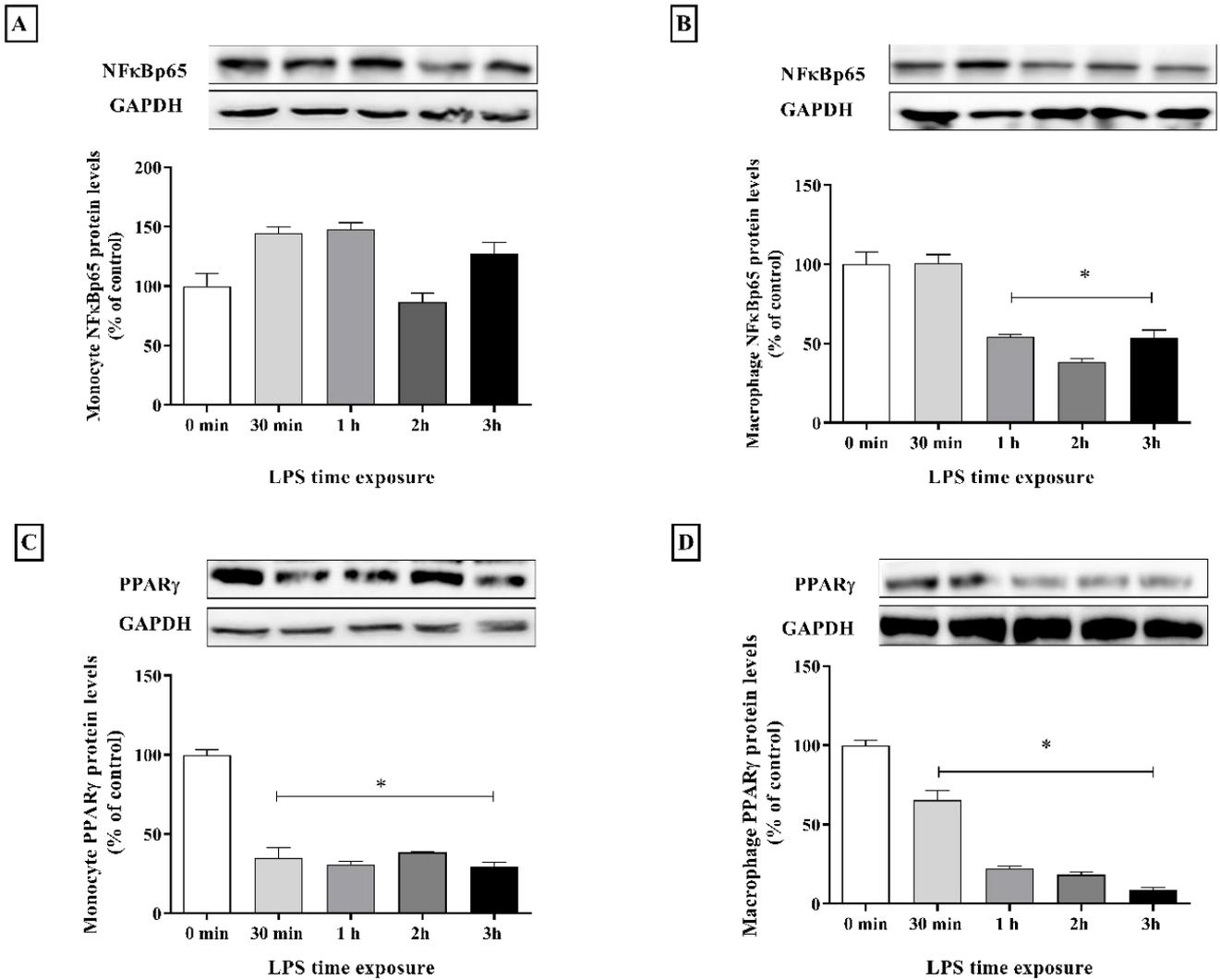


**Fig. S1.** Cytokine levels in supernatants of THP-1 monocytes after oleic acid and keracyanin treatment at different concentrations: [A] TNF- $\alpha$ ; [B] IL-1 $\beta$ ; [C] MCP-1; [D] IL-6; [E] IL-10. Cells were incubated for 48 h with RPMI (0.1% of ethanol, Control CTL) or different concentrations of oleic acid (100  $\mu$ M, 50  $\mu$ M, 10  $\mu$ M), keracyanin (0.8  $\mu$ M, 0.4  $\mu$ M, 0.08  $\mu$ M) or oleic acid + keracyanin (100  $\mu$ M+0.8  $\mu$ M, 50  $\mu$ M+0.4  $\mu$ M, 10  $\mu$ M+0.08  $\mu$ M), followed by 24 h incubation with (+) or without (-) LPS (0.1  $\mu$ g/mL). Data are mean  $\pm$  SEM ( $n = 3$ ), two-way ANOVA with Bonferroni post-hoc test: \* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ; \*\*\*\* $p < 0.0001$  vs CTL.

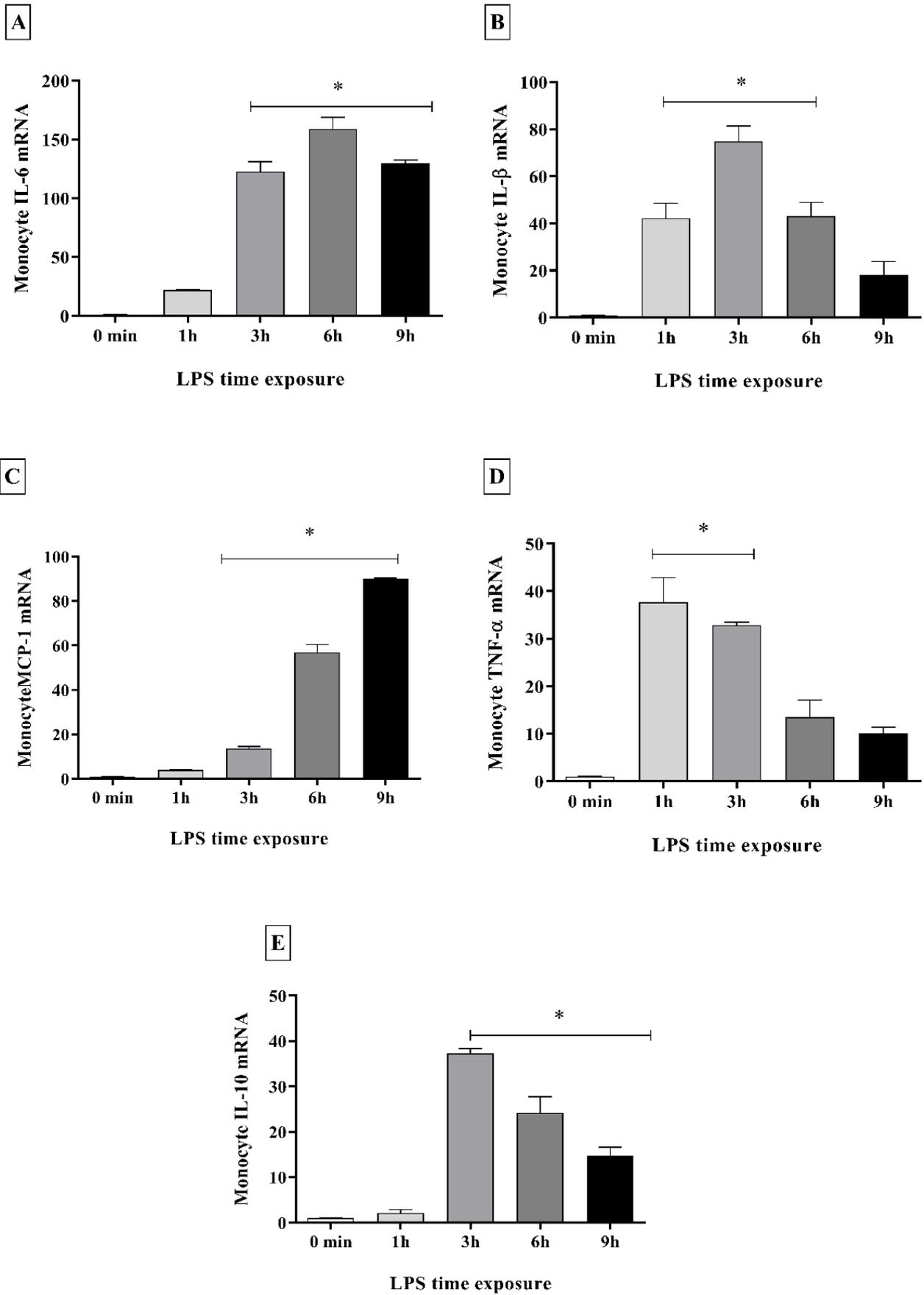


**Fig. S2.** Cytokine levels in supernatants of THP-1-derived macrophages after oleic acid and keracyanin treatment at different concentrations: [A] TNF- $\alpha$ ; [B] IL-1 $\beta$ ; [C] MCP-1; [D] IL-6; [E] IL-10. Cells were incubated for 48 h with RPMI (0.1% of ethanol, Control CTL) or different concentrations of oleic acid (100  $\mu$ M, 50  $\mu$ M, 10  $\mu$ M), keracyanin (0.8  $\mu$ M, 0.4  $\mu$ M, 0.08  $\mu$ M) or oleic acid + keracyanin (100  $\mu$ M+0.8  $\mu$ M, 50  $\mu$ M+0.4  $\mu$ M, 10  $\mu$ M+0.08  $\mu$ M), followed by 24 h incubation with (+) or without (-) LPS (0.1  $\mu$ g/mL).

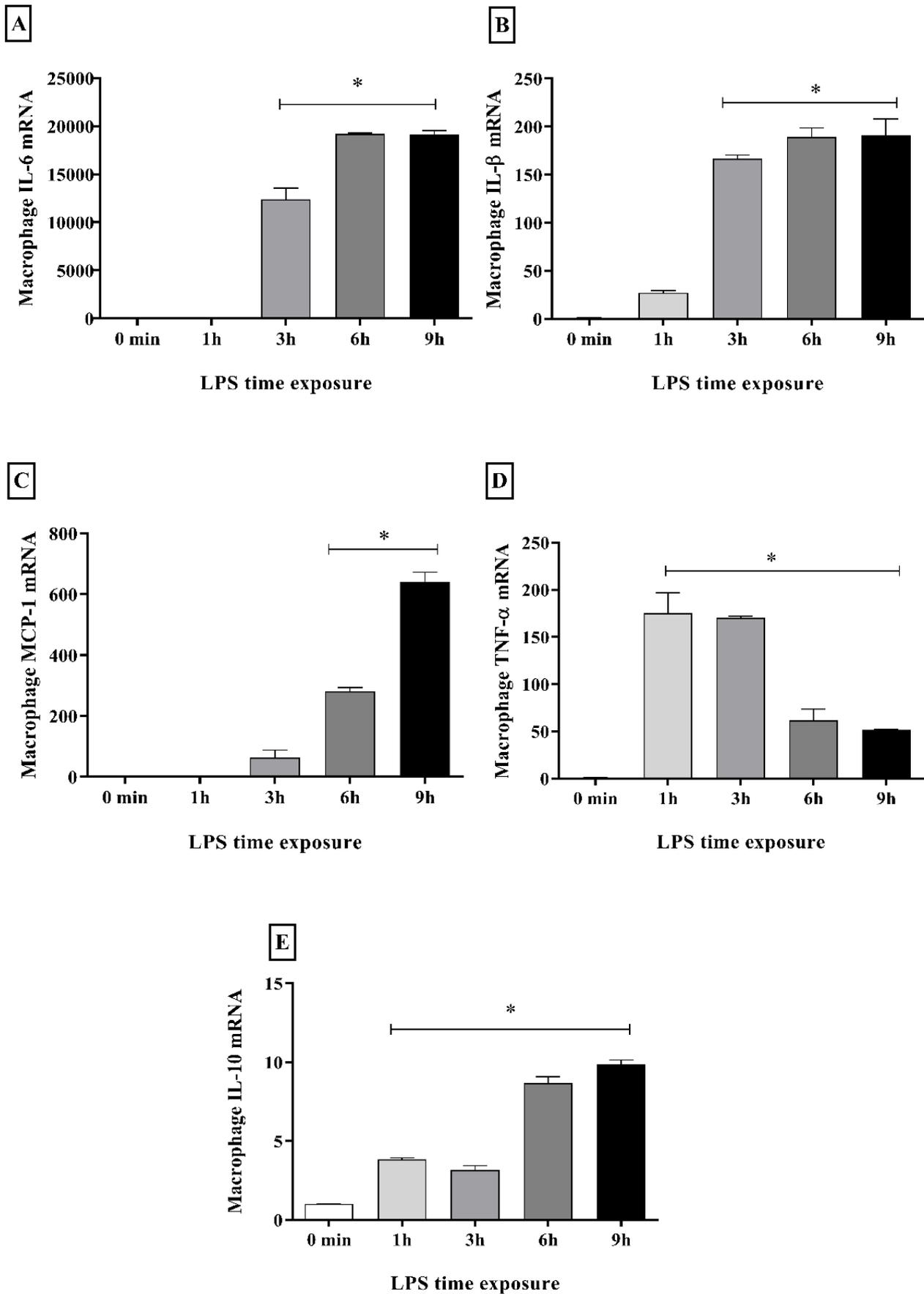
Data are mean  $\pm$  SEM ( $n = 3$ ), two-way ANOVA with Bonferroni post-hoc test: \* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ; \*\*\*\* $p < 0.0001$  vs CTL.



**Fig. S3** Time course of NFκBp65 and PPARγ protein expression in [A, C] THP-1 monocytes and [B, D] THP-1-derived macrophages after stimulation with LPS (0.1  $\mu\text{g}/\text{mL}$ ). Data are mean  $\pm$  SEM ( $n = 3$ ), one-way ANOVA with Bonferroni post-hoc test: \*  $p < 0.05$  versus 0 min. GAPDH was used as housekeeping protein.



**Fig. S4** Time course of mRNA levels of [A] IL-6; [B] IL-1 $\beta$ ; [C] MCP-1; [D] TNF- $\alpha$ ; [E] IL-10 in THP-1 monocytes following LPS stimulation (0.1  $\mu$ g/mL). Data are mean  $\pm$  SEM ( $n = 3$ ), one-way ANOVA with Bonferroni post-hoc test: \*  $p < 0.05$  versus 0 min. The housekeeping genes used were PPIB and PGKI.



**Fig. S5** Time course of mRNA levels of [A] IL-6; [B] IL-1 $\beta$ ; [C] MCP-1; [D] TNF- $\alpha$ ; [E] IL-10 in THP-1-derived macrophages following LPS stimulation (0.1  $\mu$ g/mL). Data are mean  $\pm$  SEM ( $n = 3$ ), one-way ANOVA with Bonferroni post-hoc test: \*  $p < 0.05$  versus 0 min. The housekeeping genes used were PPIB and PGKI.