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α -lipoic acid ameliorates the intestinal epithelial monolayer damage under heat stress conditions.

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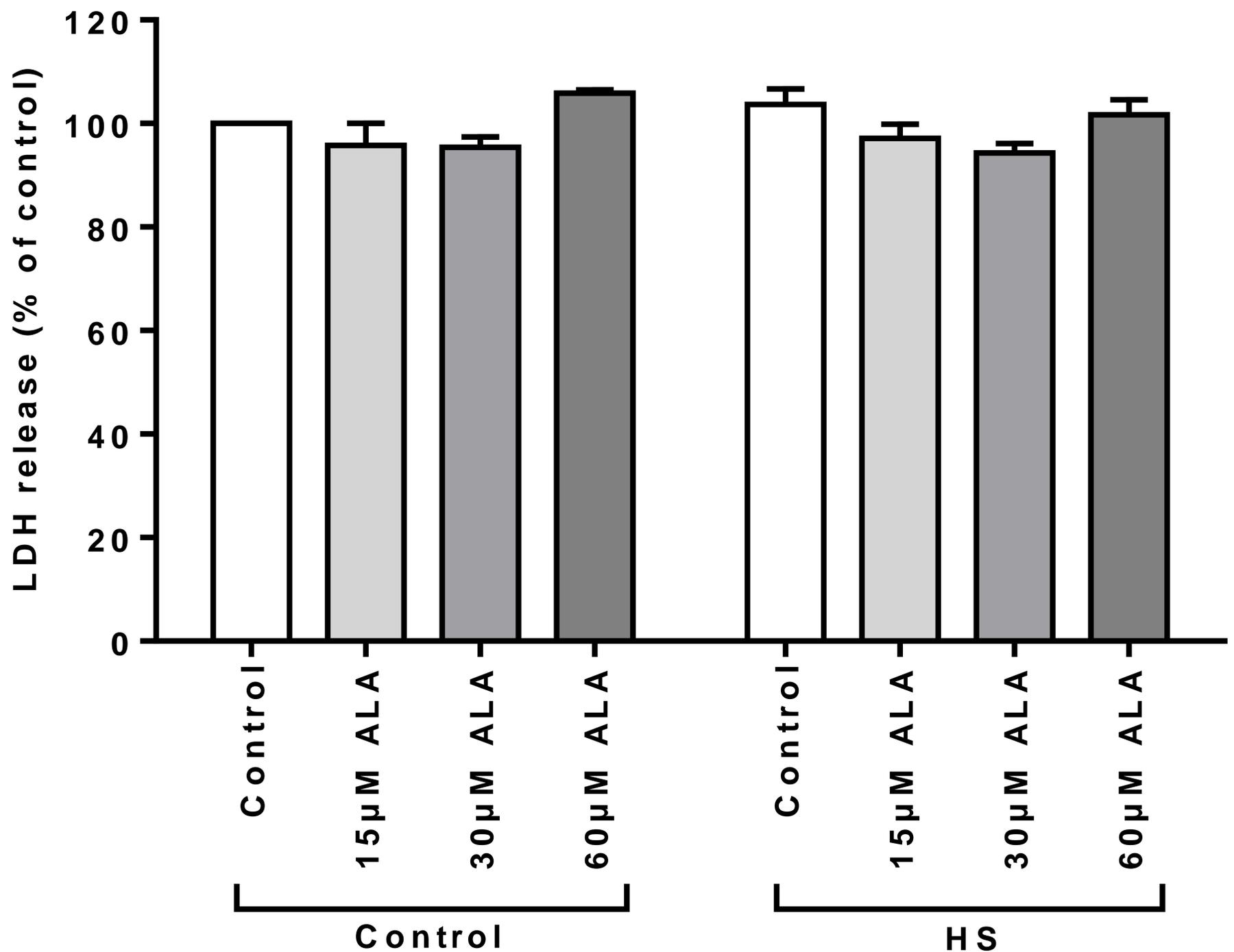
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Supplementary Figure 1

Neither HS nor ALA treatment exerts a cytotoxic effect on Caco-2 cells. Caco-2 cells grown on inserts and pretreated with ALA (24h) were exposed to HS (42°C, 6h). Thereafter, the cytotoxic effect of HS (24h) and ALA treatment was determined by measuring the release of lactate dehydrogenase (LDH) in supernatants of the apical compartment of the inserts using the CytoTox 96 Non-Radioactive CytoToxicity Assay Kit (Promega Corporation, WI, USA) according to manufacturer's instructions. Results are expressed as LDH release relative to unstimulated cells as mean \pm SEM of three independent experiments.