A Heat-killed Probiotic Mixture Regulates Immune T cells Balance and IgE Production in House Dust Mite Extraction-induced Atopic Dermatitis Mice

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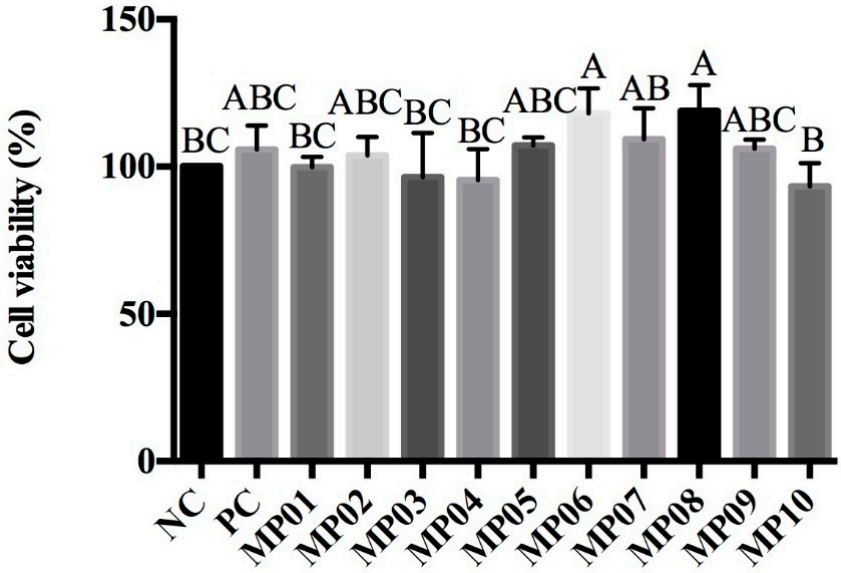
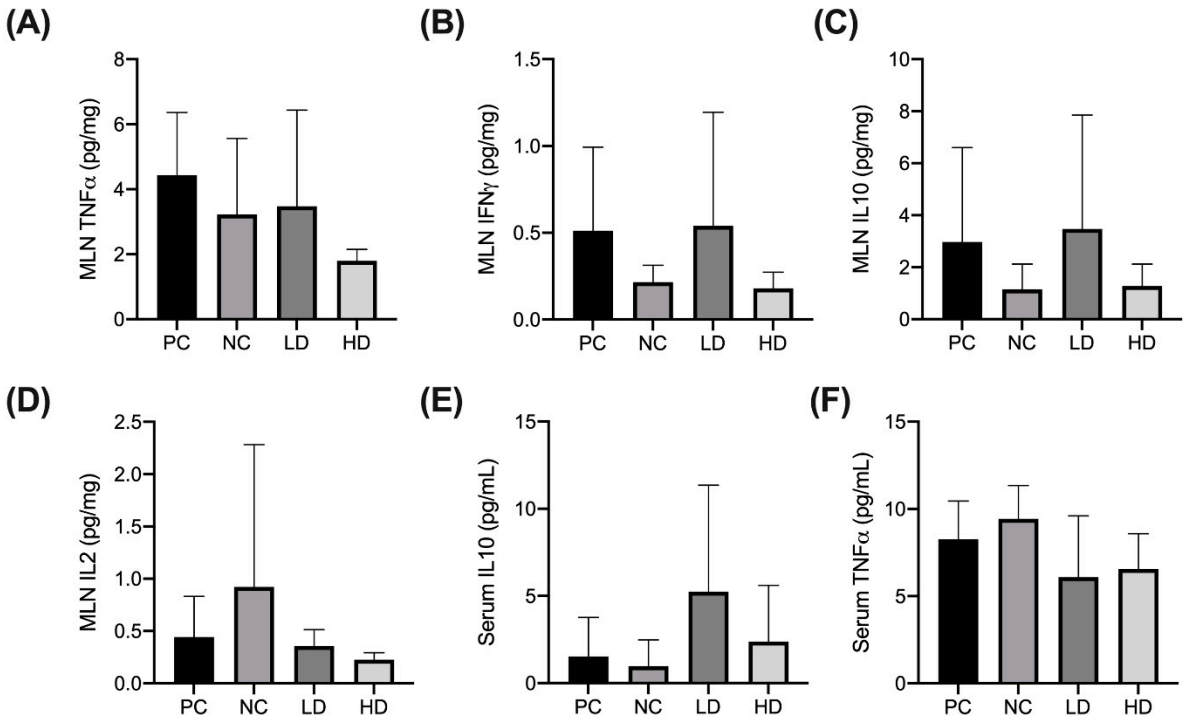


Supplementary Figure S1. Effects of the different LAB strains on the cell viability analyzed by MTT assay after 24-hour co-culturing with RAW 264.7. NC: Negative control; PC: Positive control (50 ng/mL LPS). Value represents means ± SD. (n=3). Data were analyzed by ANOVA with Duncan's multiple comparison tests. Means for each group without a common letter are significantly different ($P < 0.05$).



Supplementary Figure S2. Effects of a combination of heat-killed MP01 and MP02 strains on cytokines production in mesenteric lymph nodes (MLN) and serum of HDM-extraction induced AD mice. (A)TNF-α, (B)IFN-γ, (C)IL-10 and (D)IL-2 in mesenteric lymph nodes and (E)IL-10 and (F)TNF-α cytokines in serum of HDM-extraction induced AD mice after treatment. Data were analyzed by one-way ANOVA with Tukey's multiple comparison test. Bars indicate means ± SD.

Supplementary Table S1. 16S rRNA gene of potential strains analyzed by BLAST from NCBI database

Potential strains	Species	Identity	Species	Identity	Species	Identity
MP01	*Lactococcus lactis*	100%	*Lactococcus lactis*	100%	*Lactococcus lactis*	99.87%
MP02	*Lactobacillus paracasei*	99%	*Lactobacillus paracasei*	99%	*Lactobacillus zeae*	99%