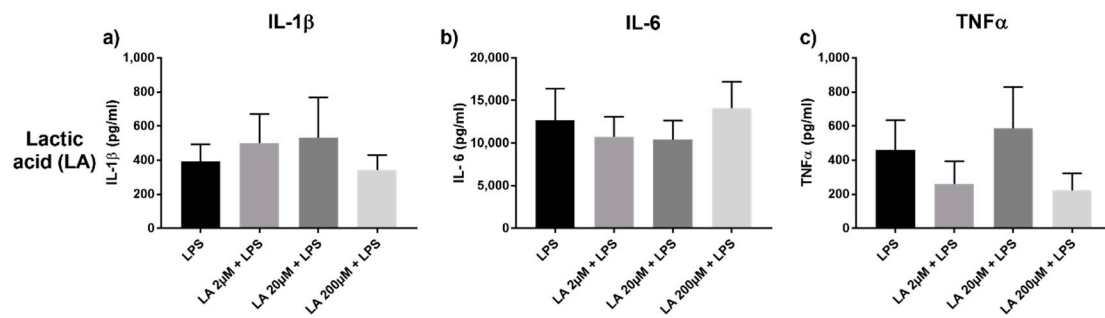
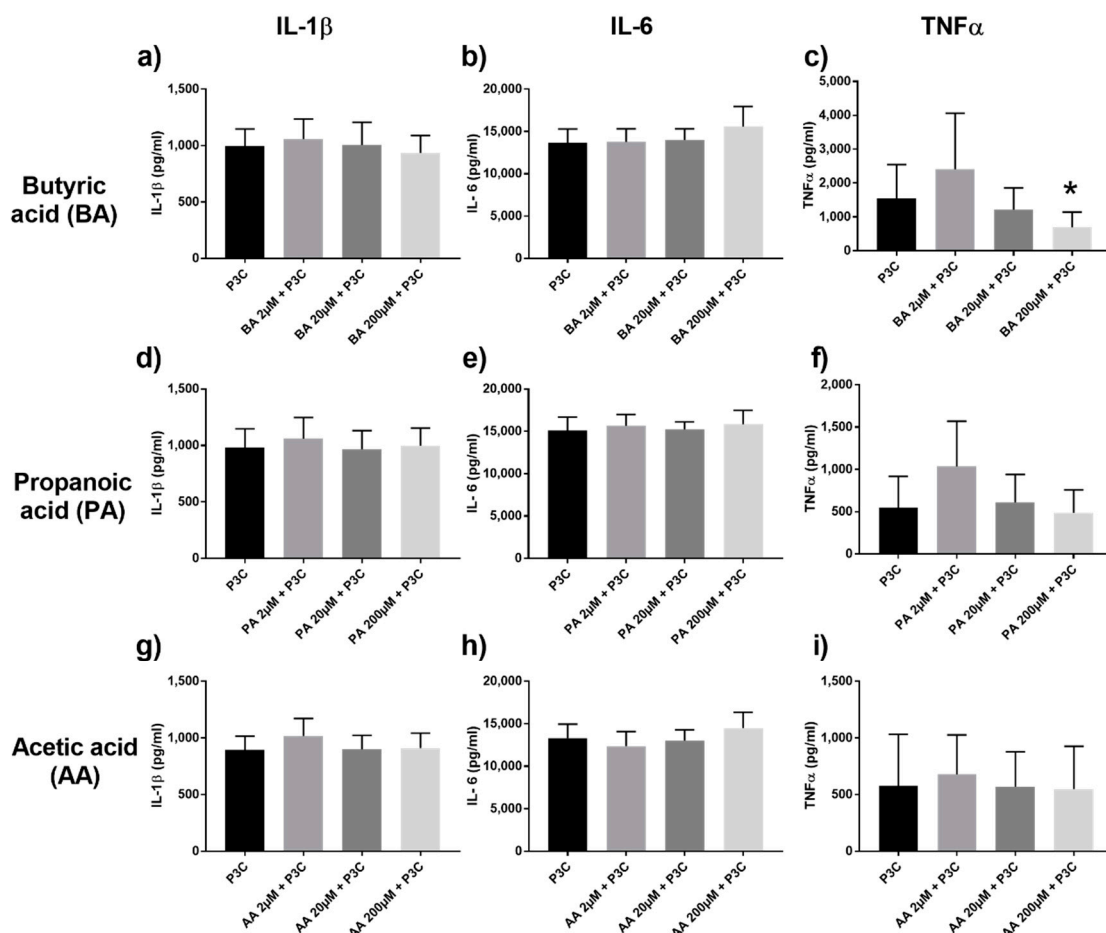


Supplementary Figure S1:



Supplementary Figure S1. Cytokine production of IL-1 β , IL-6 and TNF α in the supernatants of PBMC stimulated with LPS and 2, 20, 200 μ M of lactic acid, assessed by ELISA. Human PBMC were co-incubated with LPS and lactic acid (LA) (a, b, c). Values were presented as mean \pm standard error of the mean (SEM), results from at least 7 subjects were used. No significance seen using Wilcoxon signed rank test for pair-wise comparisons with the LPS control (black bar).

Supplementary Figure S2:

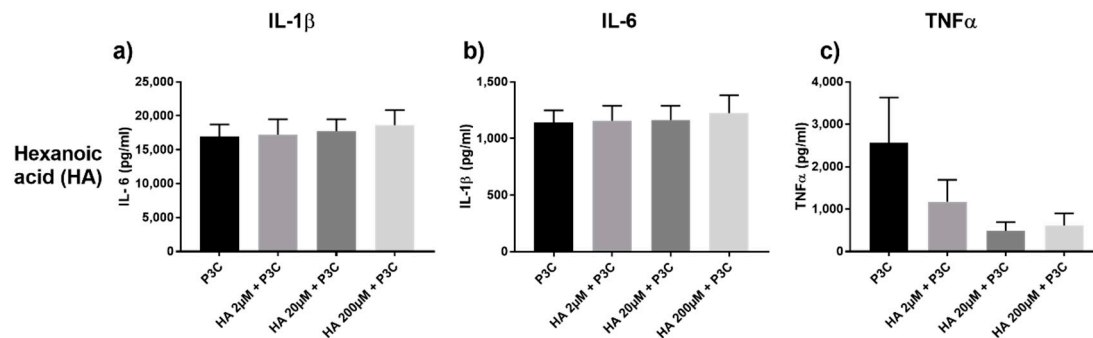


Supplementary Figure S2. Cytokine production of IL-1 β , IL-6 and TNF α in the supernatants of PBMC stimulated with P3C and 2, 20, 200 μ M of SCFA, assessed by ELISA. Human PBMC were co-incubated with P3C and butyric acid (BA) (a, b, c), propanoic acid (PA) (d, e, f), or acetic acid (AA) (g, h, i). Values

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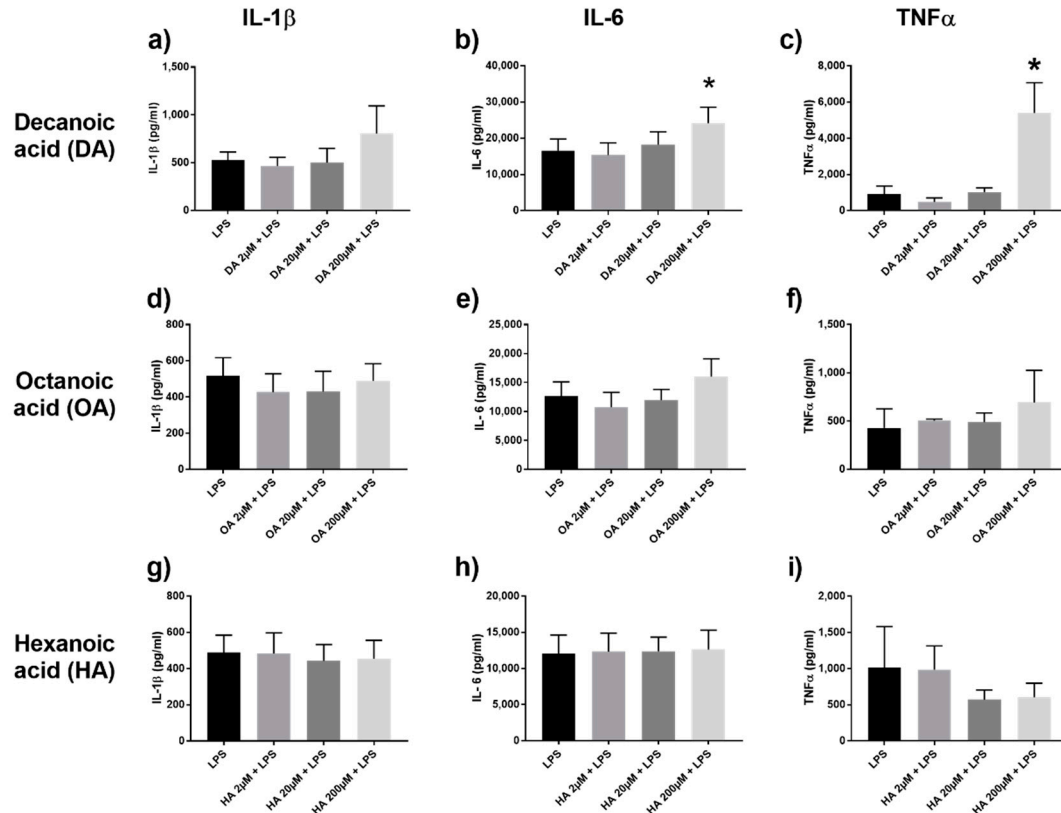
were presented as mean \pm SEM, results from at least 7 subjects were used. Wilcoxon signed rank test to determine significance for pair-wise comparisons with the control, * $p < 0.05$ is the cytokine level difference compared to the control P3C group (black bar).

Supplementary Figure S3:



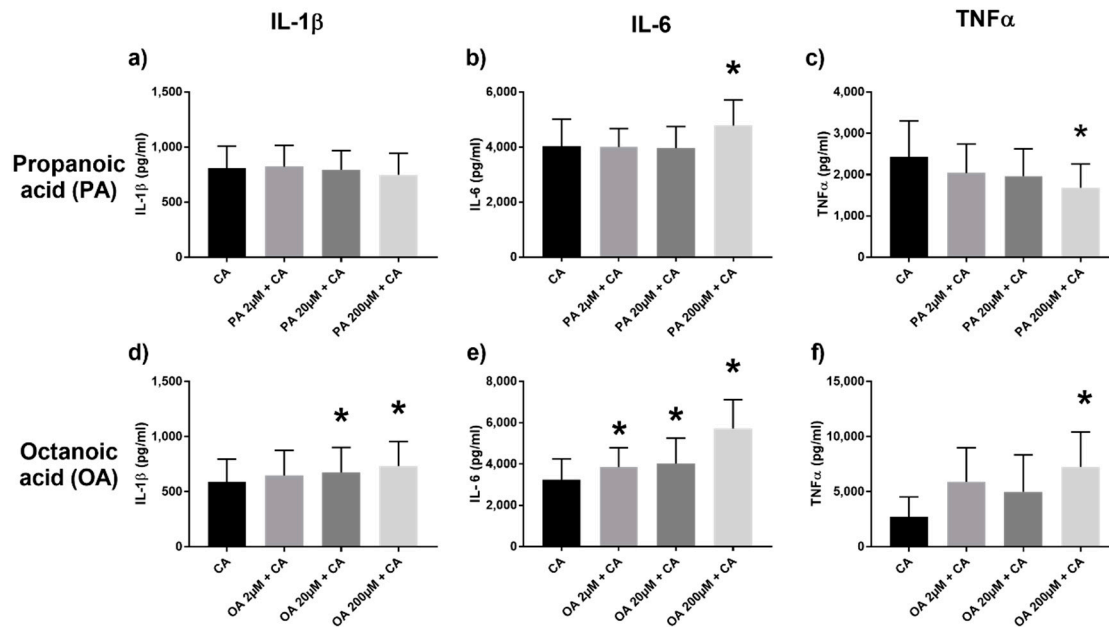
Supplementary Figure S3. Cytokine IL-1 β , IL-6, and TNF α production in the supernatants of PBMC stimulated with P3C and 2, 20, 200 μ M of hexanoic acid (HA) (a, b, c). Values were presented as mean \pm SEM, results from at least 7 subjects were used. No significance seen using Wilcoxon signed rank test for pair-wise comparisons with the P3C control (black bar).

Supplementary Figure S4:



Supplementary Figure S4. Cytokine IL-1 β , IL-6, and TNF α production in the supernatants of PBMC stimulated with LPS and 2, 20, 200 μ M of decanoic acid (DA) (a, b, c), octanoic acid (OA) (d, e, f), hexanoic acid (HA) (d, e, f). Values were presented as mean \pm SEM, results from at least 7 subjects were used. Wilcoxon signed rank test to determine significance for pair-wise comparisons with the control, *p<0.05 is the cytokine level difference compared to the control LPS group (black bar).

Supplementary Figure S5:



Supplementary Figure S5. Cytokine IL-1 β , IL-6, and TNF α production in the supernatants of PBMC stimulated with CA and 2, 20, 200 μ M of propanoic acid (PA) (a, b, c), and octanoic acid (OA) (d, e, f). Values were presented as mean \pm SEM, results from at least 7 subjects were used. Wilcoxon signed rank test to determine significance for pair-wise comparisons with the control, *p<0.05 is the cytokine level difference compared to the control CA group (black bar).