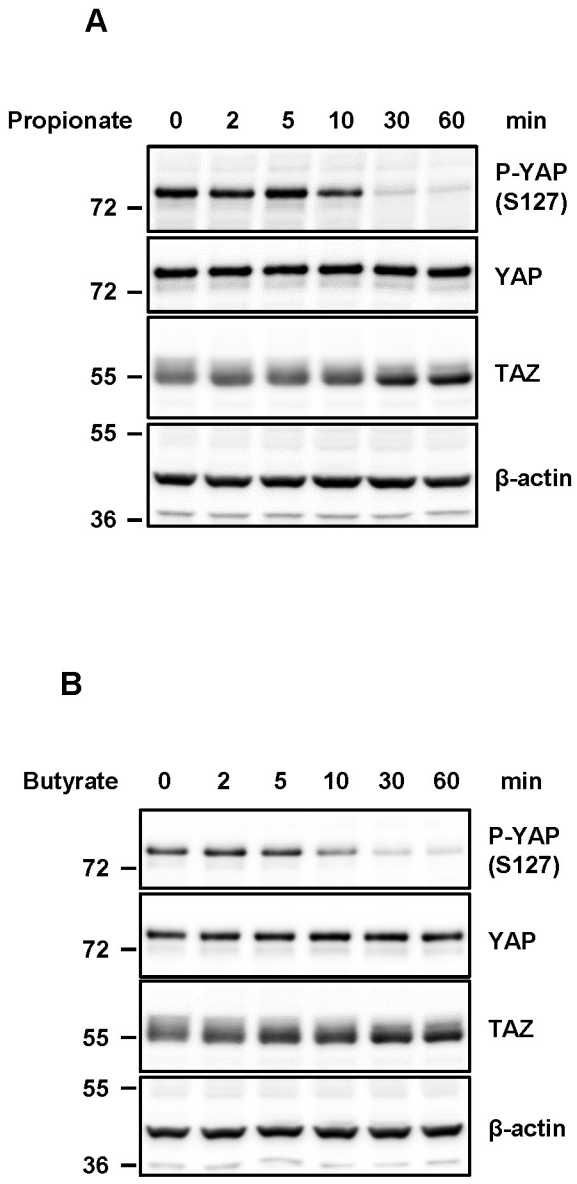
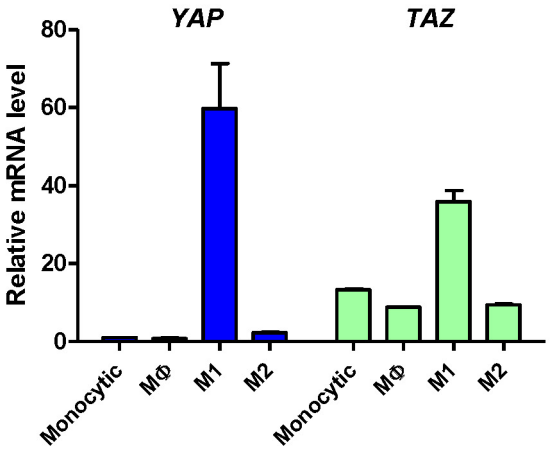
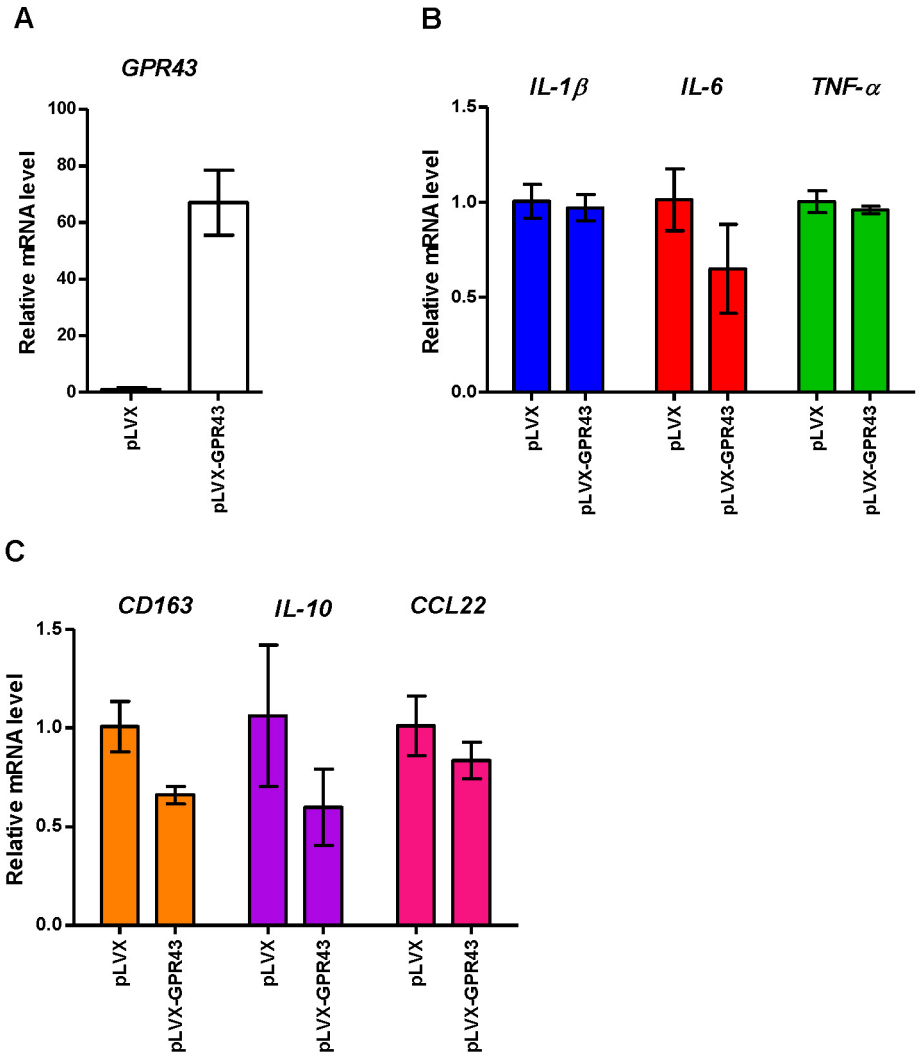


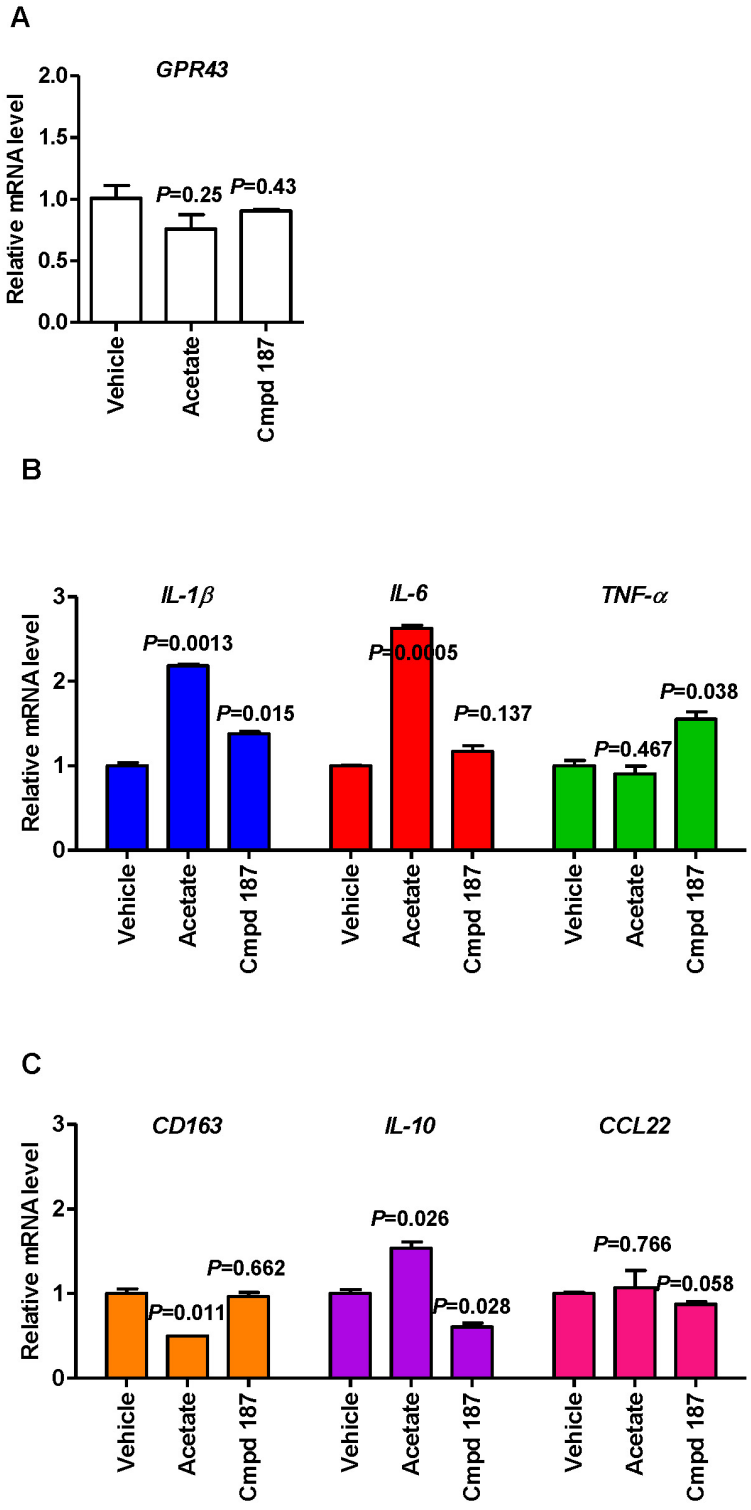
Supplementary Fig. S1. Short-chain fatty acids induced dephosphorylation of YAP and stabilization of TAZ in GPR43-expressing cells. hGPR43/HEK293 cells were treated with (A) 10 mM propionate and (B) 10 mM butyrate for the indicated time-points. The lysates were subjected to Western blot as described in Materials and Methods section.



Supplementary Fig. S2. The expression of YAP/TAZ was significantly enhanced in M1-like THP-1 cells. THP-1 cells were differentiated to macrophage-like cells as described in Materials and Methods section. Total RNAs purified from the cells were used for qRT-PCR analysis. Data from at least two independent experiments are presented as mean ± SEM.



Supplementary Fig. S3. Macrophage markers in human GPR43-overexpressing THP-1 cells. (A) hGPR43 was overexpressed by lentiviral infection in monocytic THP-1 cells for 48 h. And then, qRT-PCR analysis was performed with the indicated (B) M1 marker and (C) M2 marker genes. Data from at least two independent experiments are presented as mean ± SEM.



Supplementary Fig. S4. Acetate and GPR43 agonist augmented some of M1 markers. Mϕ-differentiated THP-1 cells were treated with 10 mM acetate and 10 μM compound 187 for 24 h. Total RNAs were used for qRT-PCR of (A) GPR43, (B) M1 markers, and (C) M2 markers. Data from at least two independent experiments are presented as mean ± SEM. The *P* values were calculated by Student's *t*-test.