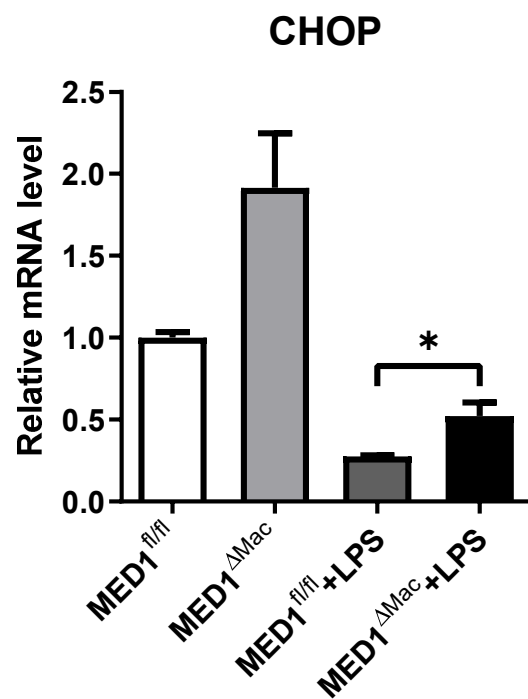


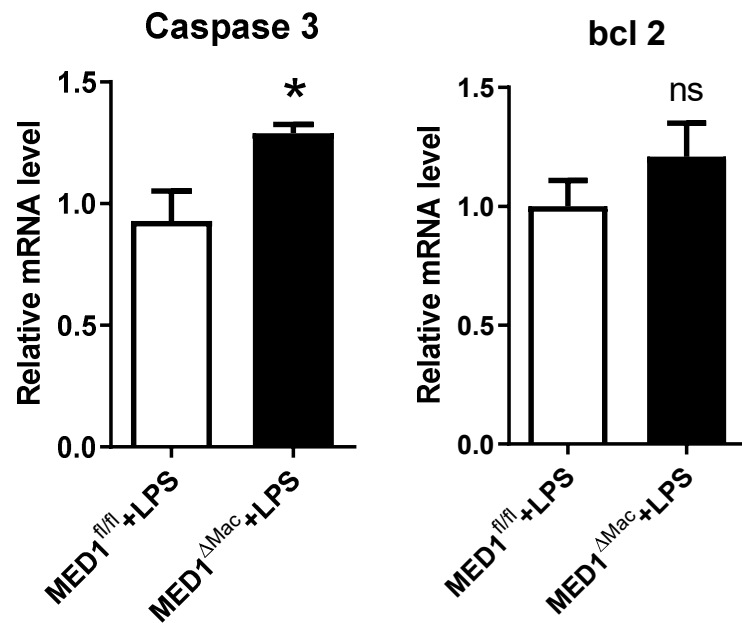
Supplementary figure S1

Supplementary figure S1. MED1(Mediator 1) expression was decreased in MED1^{ΔMac} mice. (A) DNA electrophoresis, (B) Western blotting, (C) qRT-PCR, and (D) immunofluorescence staining was used to detect MED1 expression in MED1^{ΔMac} and MED1^{fl/fl} macrophages. PM, peritoneal macrophage; BMDM, bone marrow derived macrophage.



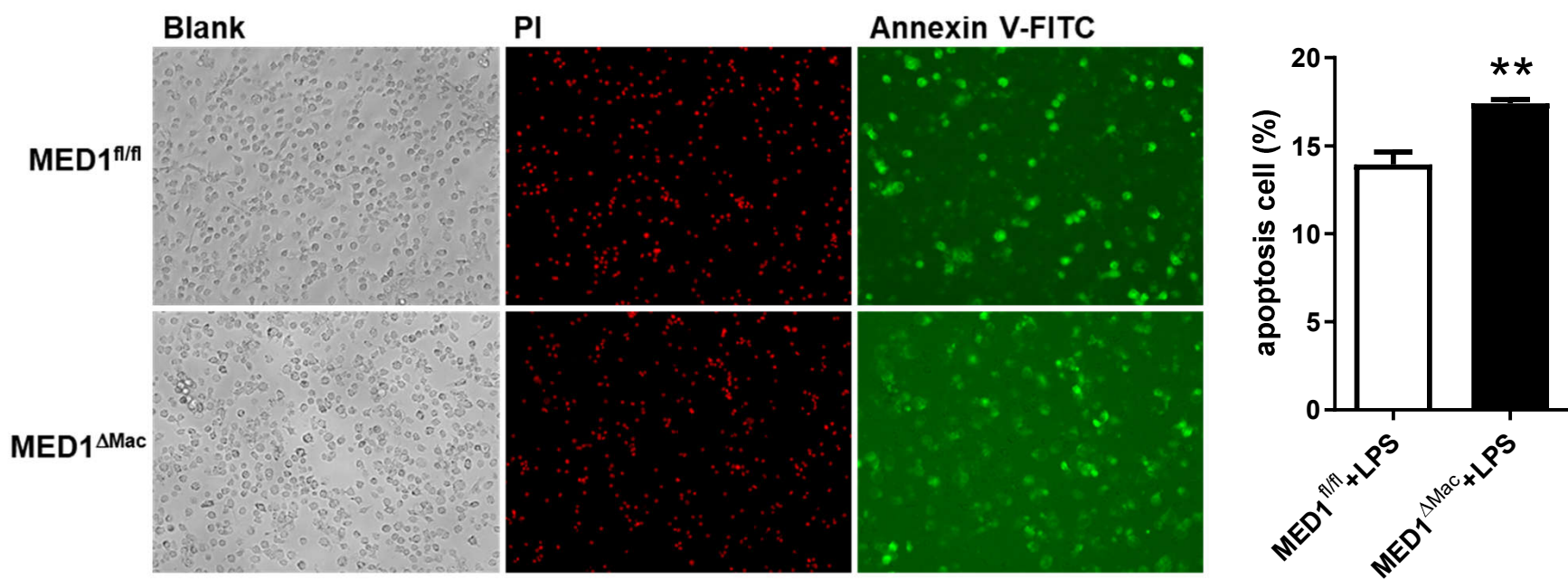
Supplementary figure S2

Supplementary figure S2. MED1 (Mediator 1) deficiency promoted C/EBP homologous protein (CHOP) expression after lipopolysaccharide (LPS) treatment. qRT-PCR analysis of CHOP levels in peritoneal macrophages from MED1^{fl/fl} or MED1^{ΔMac} mice treated with LPS (50 ng/mL) for 6 hours.



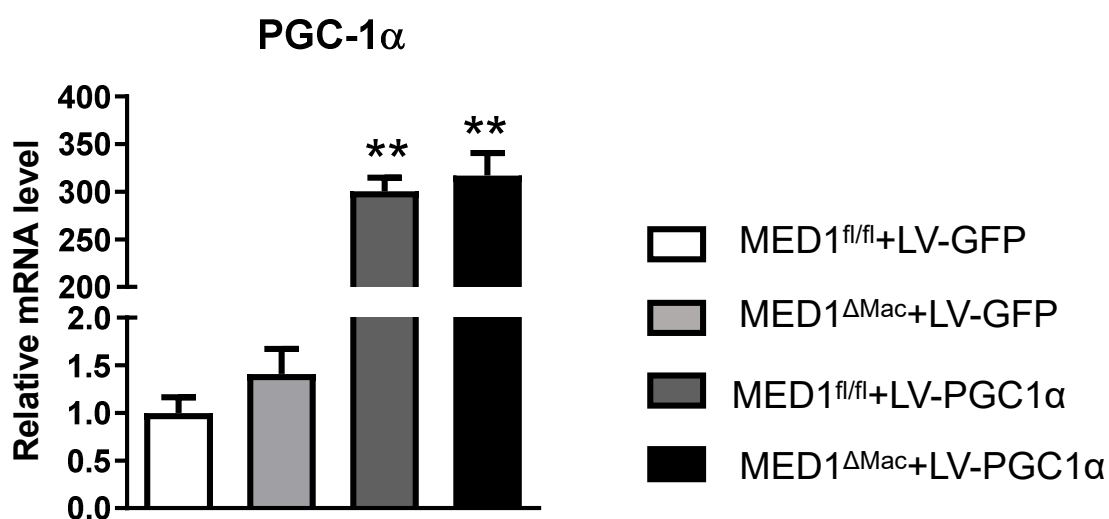
Supplementary figure S3

Supplementary figure S3. MED1 (Mediator 1) deficiency promoted Caspase3 expression after lipopolysaccharide (LPS) treatment. qRT-PCR analysis of caspase 3 and B cell leukemia/lymphoma 2 (bcl2) levels in peritoneal macrophages from MED1^{fl/fl} or MED1^{ΔMac} mice treated with LPS (50 ng/mL) for 6 hours.



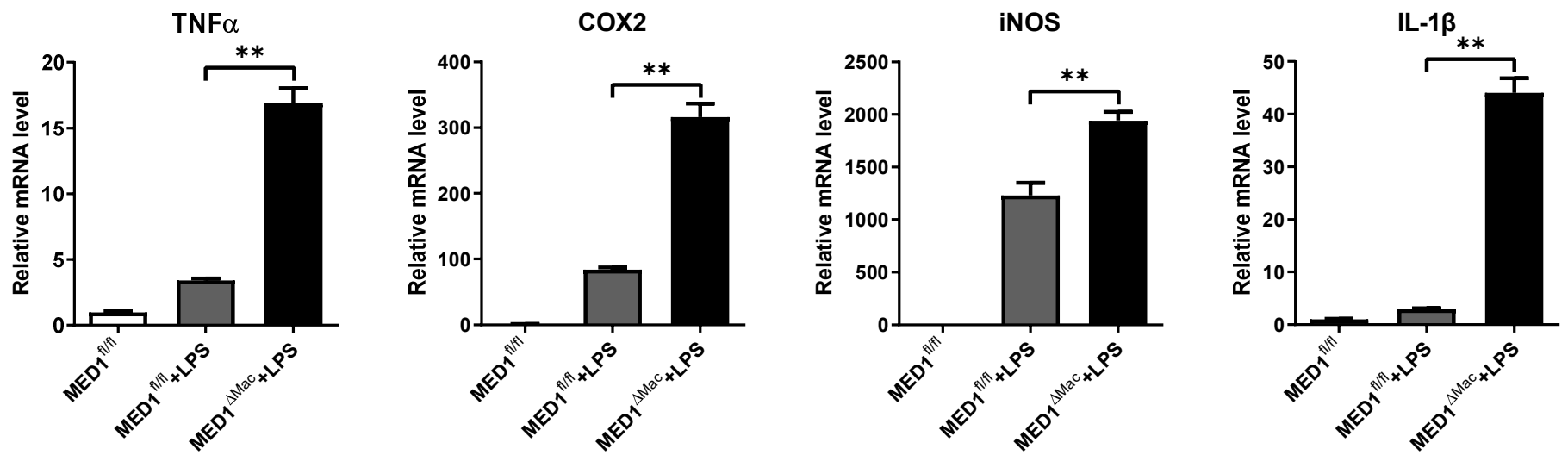
Supplementary figure S4

Supplementary figure S4. MED1 (Mediator 1) deficiency promoted apoptosis in macrophages after lipopolysaccharide (LPS) treatment. Apoptosis of peritoneal macrophages from $MED1^{fl/fl}$ or $MED1^{\Delta Mac}$ mice treated with LPS (50 ng/mL) for 24 hours as detected by Annexin V.



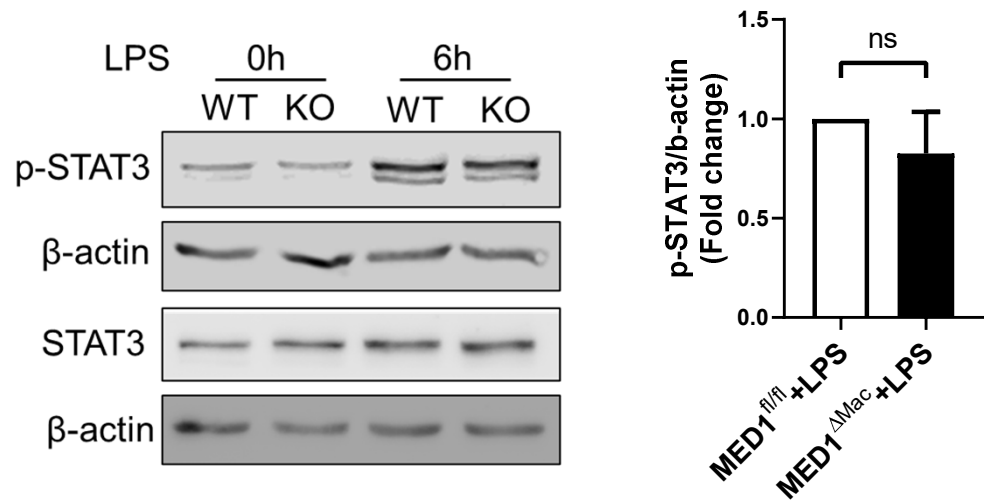
Supplementary figure S5

Supplementary figure S5. Macrophages overexpressing PGC1 α were constructed. qRT-PCR analysis of PGC1 α levels in peritoneal macrophages from MED1^{fl/fl} or MED1^{ΔMac} mice transfected with lentivirus carrying PGC1 α mRNA (LV- PGC1 α) or control lentivirus (LV-GFP). PGC1 α , peroxisome proliferative activated receptor gamma coactivator 1 α .



Supplementary figure S6

Supplementary figure S6. MED1(Mediator 1) deficiency promoted TNF α , COX2, iNOS, and IL-1 β expression after lipopolysaccharide (LPS) treatment. qRT-PCR analysis of TNF α , COX2, iNOS, and IL-1 β levels in MED1^{fl/fl} and MED1 Δ Mac macrophages treated with LPS. TNF α , tumor necrosis factor; COX2, cyclooxygenase 2; iNOS, inducible nitric oxide synthase; IL-1 β , interleukin-1 β .



Supplementary figure S7

Supplementary figure S7. MED1 (Mediator 1) deficiency had no effect on STAT3 activation. Western blotting analysis of levels of phosphorylated STAT3 in peritoneal macrophages treated with lipopolysaccharide (LPS) for 6 hours. STAT3, signal transducer and activator of transcription 3.