Macrophage Migration Inhibitor Factor Upregulates MCP-1 Expression in an Autocrine Manner in Hepatocytes during Acute Mouse Liver Injury

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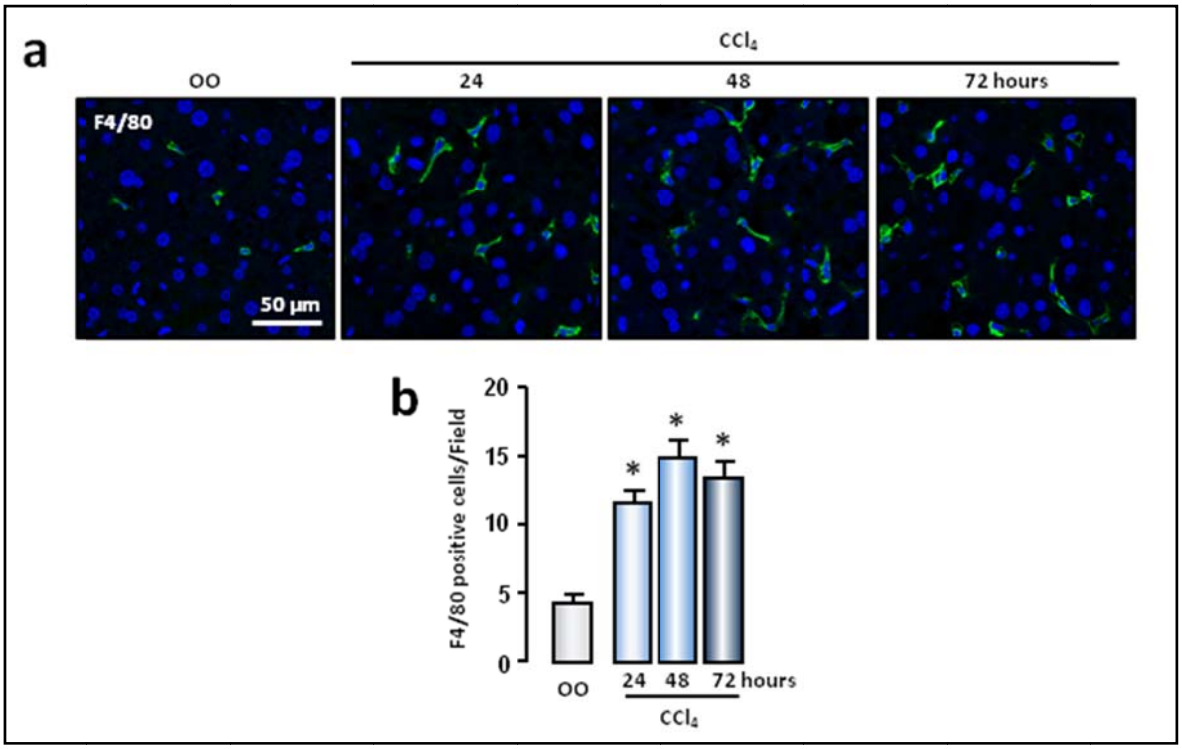
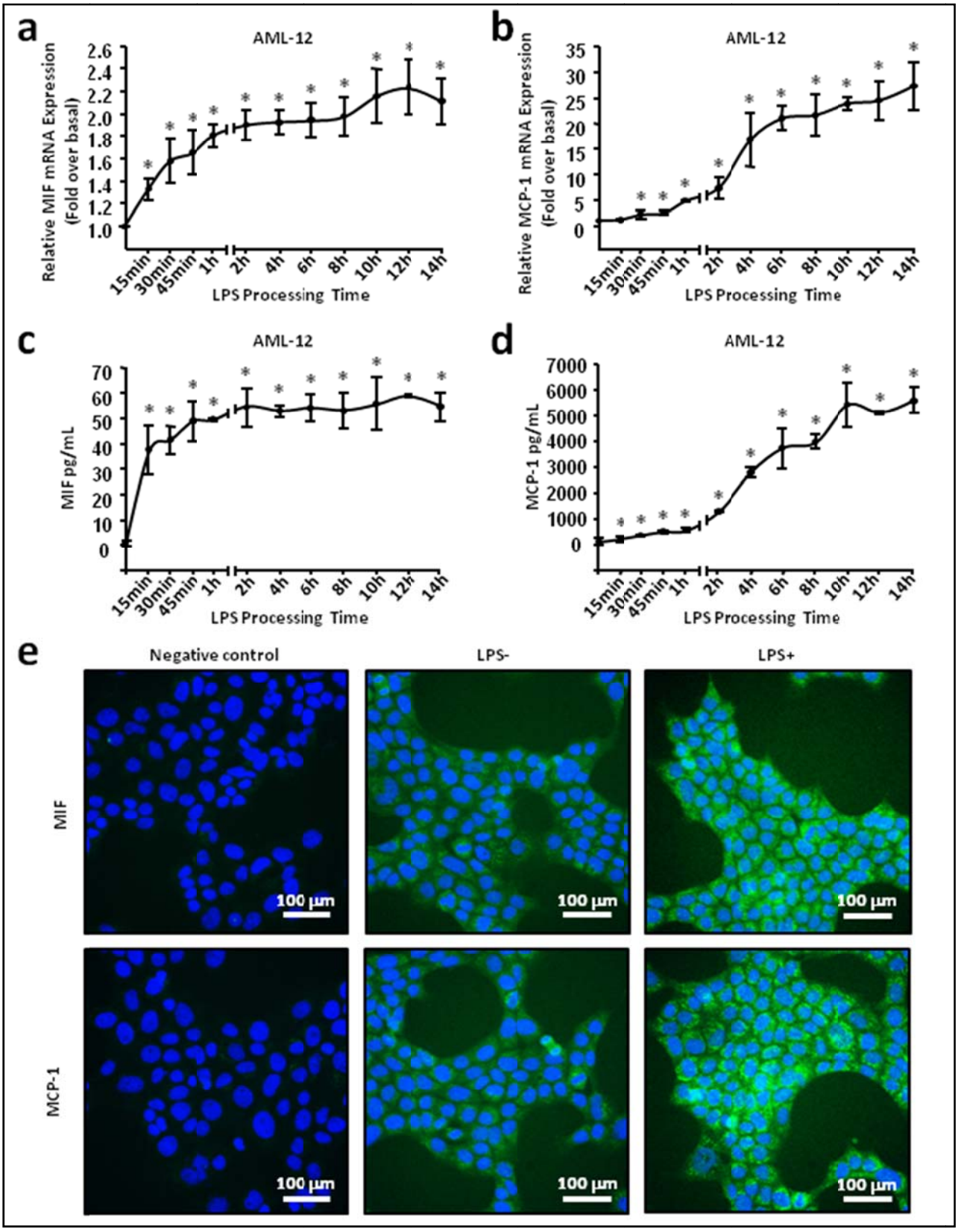
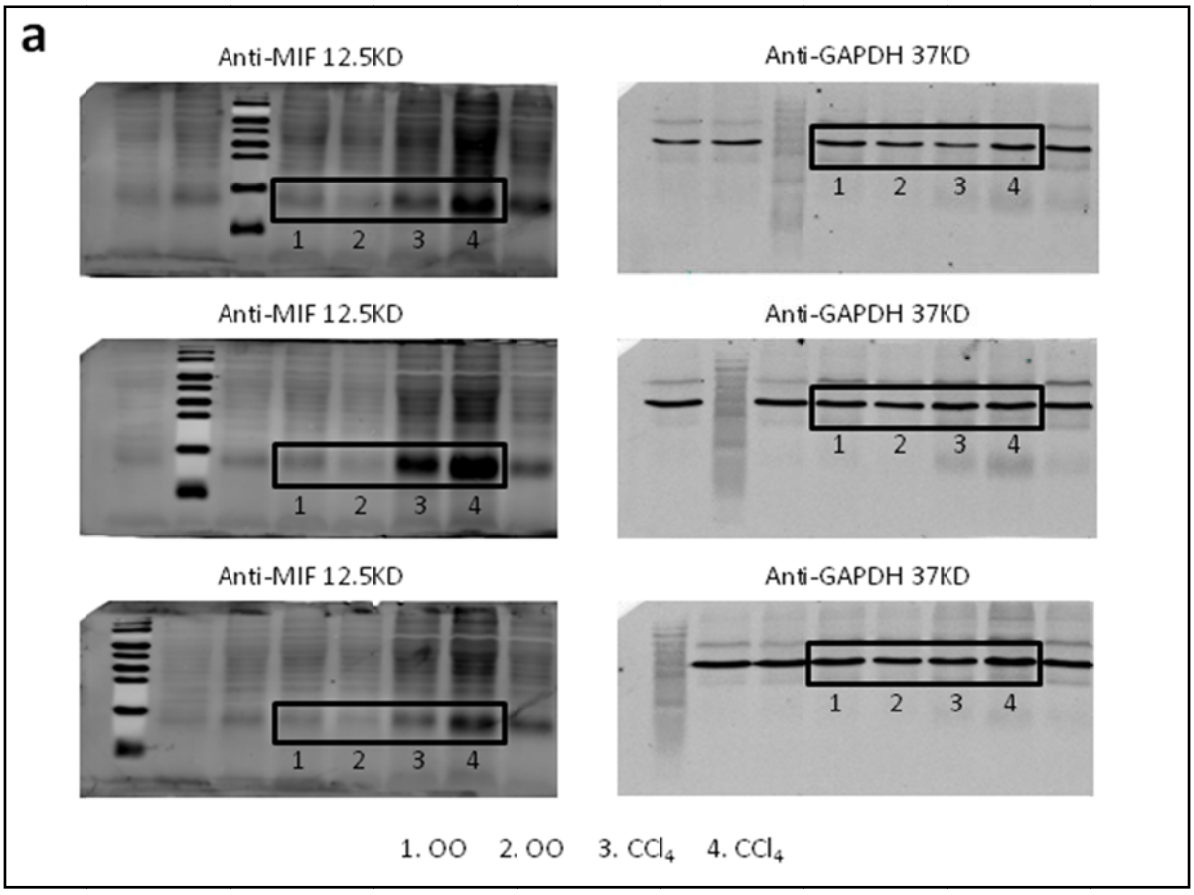
Supplementary information



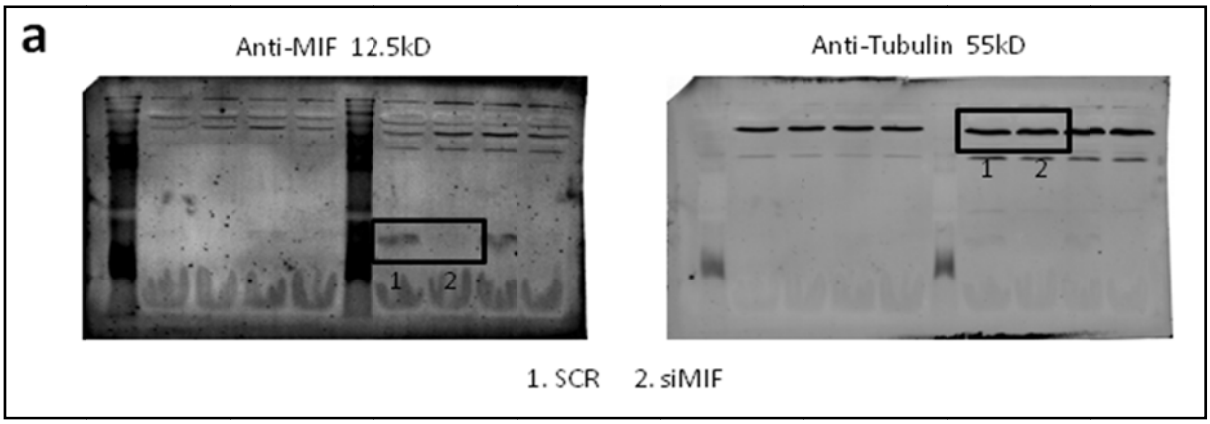
Supplementary Figure 1. Macrophages infiltration was increased in CCl_4 induced liver injury. (a) Representative images of immunofluorescence by confocal microscopy to track macrophages (F4/80+, green) in the CCl_4-treated liver, DAPI was used to visualize nuclei (blue). (b) Quantification of macrophages (F4/80+, green) with Image-Pro Plus software. Scale bars, 50 μm. Data are presented as the means ± SEM. *$P < 0.05$ *vs* control group (n=6, per group).


a
AML-12
Relative MIF mRNA Expression (Fold over basal)
LPS Processing Time
b
AML-12
Relative MCP-1 mRNA Expression (Fold over basal)
LPS Processing Time
c
AML-12
MIF pg/mL
LPS Processing Time
d
AML-12
MCP-1 pg/mL
LPS Processing Time
e
Negative control
LPS-
LPS+
MIF
MCP-1
100 μm

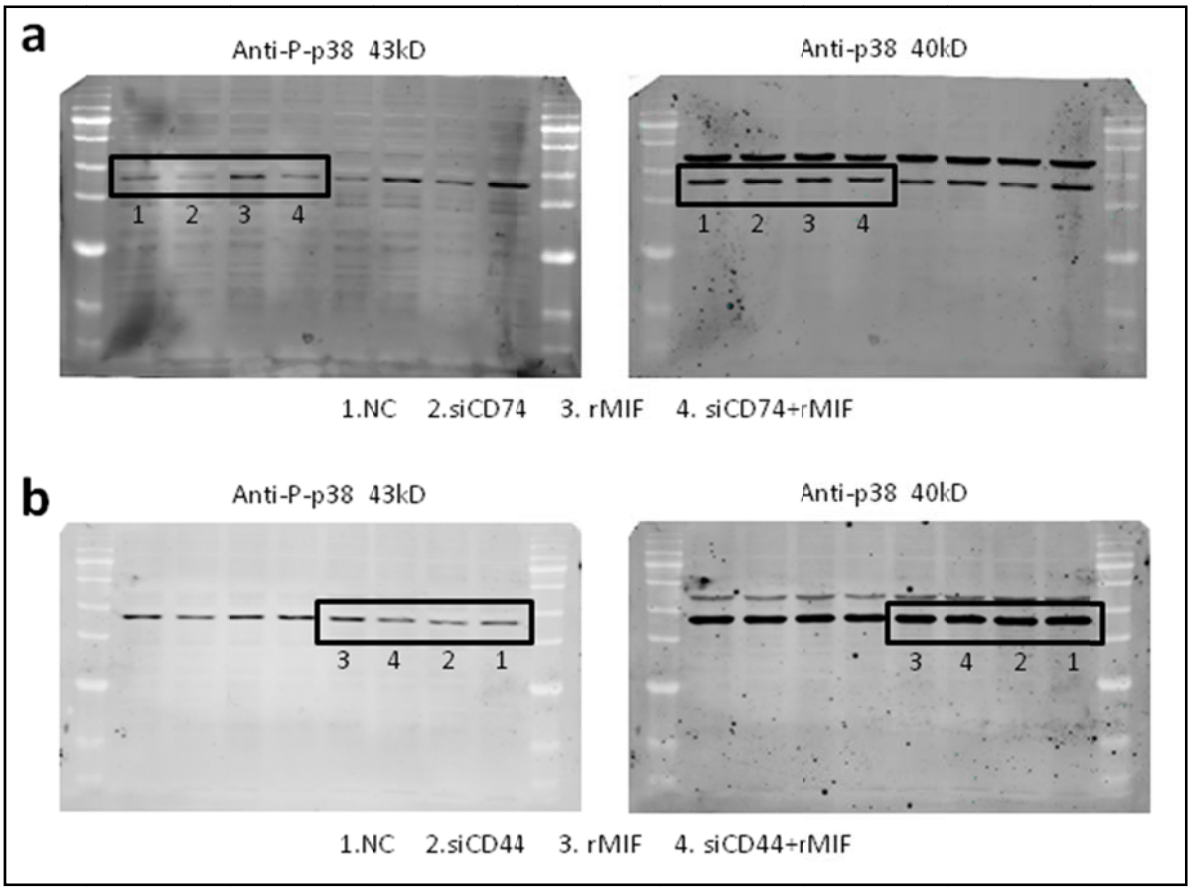
Supplementary Figure 2. LPS induced increase of MIF earlier than MCP-1 in AML-12 cells. AML-12 cells were treated with 100 ng/mL LPS and collected at the described time points, the relative mRNA (a, b) expression and protein secretion (c, d) of MIF and MCP-1 were examined by real-time RT-PCR and ELISA. (e) The representative images of immunofluorescence for MIF or MCP-1 (green) in AML-12 cells, as visualized by immunocytochemical analysis. Cells were co-stained with DAPI to identify nuclei (blue). Scale bars, 100 μm. All results were confirmed in three independent experiments at least. *$P < 0.05$ vs untreated control cells.



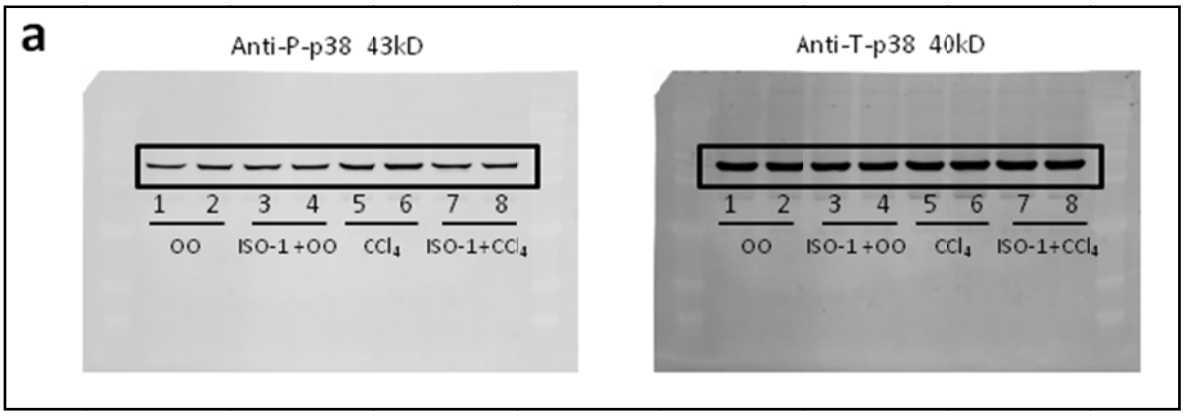
Supplementary Figure 3. The full-length blots of Figure 1b.



Supplementary Figure 4. The full-length blots of Figure 3b.



Supplementary Figure 5. The full-length blots of Figure 5. (a) The full-length blots of Figure 5c. (b) The full-length blots of Figure 5d.



Supplementary Figure 6. The full-length blots of Figure 6c.