**Supplemental Figure Legends**

**Supplemental Figure 1.** A. Comparison of the relative amount of cytokine and chemokine mRNAs in co-culture between Ctrl siRNA-treated 3T3-L1 adipocytes and Ctrl siRNA-treated RAW macrophages (A siC/M siC, white bars) or in co-culture between Ctrl siRNA treated 3T3-L1 adipocytes and Tpl2 siRNA-treated RAW macrophages (A siC/M siT, grey bars) or in co-culture between Tpl2 siRNA-treated 3T3-L1 adipocytes and Tpl2 siRNA-treated RAW macrophages (A siT/M siT, black bars). The relative amount of mRNAs was determined by real-time PCR and normalized using mouse Rplp0 mRNA level. Data are expressed as a percentage of mRNA in cells co-cultured with both siCtrl-treated macrophages and adipocytes (A siC/M siC) and presented as means ± SEM of 3 independent experiments. * p<0.05, ** p<0.01, ns: not significant. B. RAW macrophages or 3T3-L1 adipocytes treated with Ctrl siRNA (siC) or Tpl2 siRNA (siT) were stimulated with IL-1β (10 ng/ml) or TNF-α (10 ng/ml) or LPS (10 ng/ml) for 20 min and were lysed for Western Blot analysis of phospho-ERK1/2 and total ERK1/2. Representative immunoblot and means ± SEM of 3 experiments are shown. * p<0.05, ** p<0.01, *** p<0.001 by paired student’s t test.

**Supplemental Figure 2.** A. 3T3-L1 adipocytes were incubated for 24 h with conditioned medium (CM) from RAW macrophages treated with LPS (0.5 ng/ml) without or with a Tpl2 inhibitor (Tpl2-I, 5 µM) or with cultured medium containing the same concentration of LPS and/or Tpl2 inhibitor (control medium, Ctrl). Thereafter cells were lysed for analysis of pSer632- IRS1 and IRS1 by Western blot. Representative immunoblots and means ± SEM of 3 independent experiments are shown. Data are expressed as a percentage of pSer632-IRS1 to total IRS1 ratio in cells treated with CM without Tpl2 inhibitor. B. Relative amount of *Il6, Mcp1, Pai-1* and *Socs3* mRNAs in adipocytes treated with control medium (Ctrl) or conditioned medium (CM) from RAW macrophages incubated without LPS and treated without or with a Tpl2 inhibitor (Tpl2-I, 5 µM). Data are expressed as a percentage of mRNA expression in adipocytes treated with CM from macrophages incubated without Tpl2 inhibitor. Means ± SEM of 3 independent experiments are presented. * p< 0.05, ** p< 0.01, *** p<0.001, ns: not significant. C. 3T3-L1 adipocytes were incubated for 24h with control medium (Ctrl) or conditioned medium (CM) from RAW macrophages incubated without LPS and treated without or
with a Tpl2 inhibitor (Tpl2-I, 5 µM). Thereafter cells were incubated without or with insulin (1 nM) for 7 minutes and were lysed for pSer473-PKB and total PKB analysis by Western blot. A representative immunoblot is shown.
Supplemental Figure 2

A

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- pS632-IRS1
- IRS1

ns

* * *

B

- * * *
- ns

Il6 mRNA

Mcp1 mRNA

Pai-1 mRNA

Socs3 mRNA

C

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- pS473-PKB
- PKB

- Insulin
- + Insulin