

Supplemental Figure 2

Atg5^{fl/fl} *LysM-cre⁺* and wild-type mice were injected intraperitoneally with a single dose of LPS at 0.5 mg/kg body weight or vehicle as control (Con), and analyzed at 24 hours after injection.

A, Survival curve of wild-type and *Atg5^{fl/fl}* *LysM-cre⁺* mice treated with either LPS or vehicle. Mice were treated with LPS (0.5 mg/kg body weight) or vehicle by intraperitoneal injection. The mice were divided into four groups: wild-type vehicle group (WT Con, n=5), wild-type LPS group (WT LPS, n=5), *Atg5^{fl/fl}* *LysM-cre⁺* vehicle group (Atg5 Con, n=5), and *Atg5^{fl/fl}* *LysM-cre⁺* LPS group (Atg5 LPS, n=5). The statistical analysis method we used was Kaplan-Meier log-rank test.

B, Spleen *Il-6*, *Nos2*, *Lcn2*, and *Tnf- α* , mRNA levels evaluation performed by qPCR in triplicate for each group (relative to *Gapdh*) expressed as $2^{-\Delta\Delta Ct}$ values in *Atg5^{fl/fl}* *LysM-cre⁺* and wild-type mice 24 h after LPS injection (0.5mg/kg). Con, vehicle controls. *p<0.05.

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