Supplementary Figure 1. Impact of sepsis-induced immunosuppression on LC3 and LAMP1 levels in lungs of mice. (A) Outline of cecal ligation and puncture (CLP) and preparation of lung homogenates from sepsis-immunosuppressed mice, i.e. 7 days post-CLP. Panel (B) displays LC3-II/LC3-I, LC3-II/β-actin ratios, and (C) shows amount of LAMP1 in lung homogenates from control (sham) and CLP groups of mice. Representative Western blots and quantitative analyses are shown. Mean ± s.e.m., n = 5 mice per groups, *p < 0.05 (Student’s t-test).
Supplementary Figure 2.
ZKSCAN3 protein is increased in lungs of mice subjected to intra-abdominal polymicrobial infection. Representative Western blots and optical densitometry show (A) TFEB, (B) TFE3, and (C) ZKSCAN3 levels in lung homogenates of indicated groups of mice. Data are presented as mean ± s.e.m., n = 5 mice per groups, *p < 0.05 (Student’s t-test).
Supplementary Figure 3.
The levels of mRNAs for autophagy and mitochondrial quality control proteins were unchanged in sepsis-induced immunosuppression. The mRNA levels of (A) TFEB/β-actin, (B) TFE3/β-actin, (C) ZKSCAN3/β-actin, (D) WIPI2/β-actin, (E) LC3/β-actin, (F) mcoln1/β-actin, (G) p62/β-actin, (H) BECN/β-actin, (I) Drp1/β-actin, J) Parkin/β-actin, and (K) PGC1a/β-actin, in control (sham) and mice with established sepsis-induced immunosuppression (i.e. 7 days after CLP). RT-PCR results are presented as mean ± s.e.m., n = 5 mice per groups, *p < 0.05 (Student’s t-test).
Supplementary Figure 4.

Decreased mRNAs of lysosomal proteins, and altered antioxidants and glutathione synthesis enzymes in sepsis-induced immunosuppression. The mRNA levels of (A) LAMP1/β-actin, (B) LAMP2A/β-actin, (C) CTSD (Cathepsin D)/β-actin, (D) Catalase/β-actin, (E) SOD2/β-actin, (F) SOD1/β-actin, (G) Nqo1/β-actin, (H) Gclc /β-actin, (I) Gsr/β-actin, (J) G6PD/β-actin, and (K) Gclm /β-actin in control (sham) and mice with established sepsis-induced immunosuppression (i.e. 7 days after CLP). RT-PCR results are presented as mean ± s.e.m., n = 5 mice per groups, *p < 0.05 (Student’s t-test).