

1 **Supplementary Material and Methods**

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3 **Flow Cytometry Analysis**

4 For FACS analysis of murine macrophages, single-cell suspension of freshly isolated spleen and
5 liver were collected. Cells were immunostained with the following antibodies:

6 PE-Fluor 610-anti-F4/80 (clone BM8, eBioscience), APC-anti-CD45 (clone A20, eBioscience),
7 APC-Cyanine7-anti-CD11b (clone M1/70, eBioscience), PerCP-anti-Gr-1 (clone RB6-8C5,
8 eBioscience), FITC-anti-Ly-6C (clone AL-21, BD Biosciences), PE-anti-CD71 (clone C2, BD
9 Biosciences), Biotin-anti-CD49b (clone HMa2, eBioscience), Biotin-anti-CD19 (clone eBio1D3,
10 eBioscience), Biotin-anti-CD3 (clone 17A2, BioLegend);

11 Fpn1 antibody was labeled with APEX Pacific Blue antibody labeling kit (Invitrogen). Secondary
12 staining was accomplished with Streptavidin Pacific Orange conjugate (Invitrogen).

13 Cells were first gated using FSC/SSC characteristics, and doublets were excluded by comparing
14 FSC-width and -area signals. Macrophages were identified as CD45⁺, Lin⁻ (Lin = CD3, CD19,
15 CD49b), Gr1⁻, CD11b^{low/dim}, F4/80^{high}, Fpn⁺.

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