

Supplementary Information

Acute intraperitoneal infection with a hypervirulent *Acinetobacter baumannii* isolate in mice

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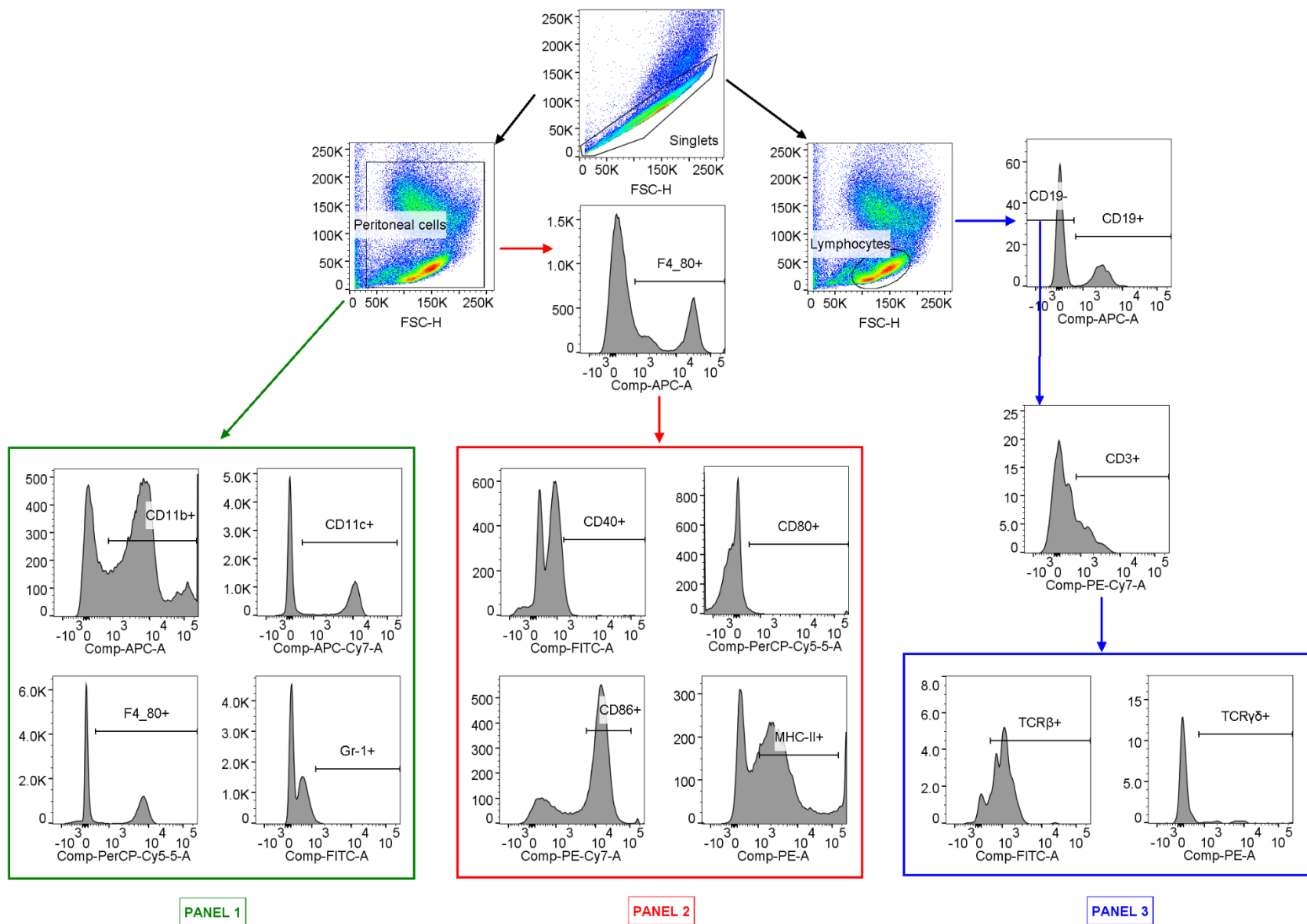
Methods:

FACS analysis gating strategy

Macrophages/granulocytes: Peritoneal cells were gated by forward and side scatter, then by F4/80-PerCP-Cy5.5, CD11b-APC, CD11C-APC-Cy7 and Gr-1-FITC.

Macrophage activation: Peritoneal cells were gated by forward and side scatter, then by F4/80-APC, then by CD40-FITC, CD80-PerCP-Cy5.5, CD86-PE-Cy7 and MHC-II-PE

Lymphocytes, T cell subsets: Peritoneal cells were gated by forward and side scatter, then by CD19-APC and CD3-PE-Cy7. CD3⁺ cells were then gated by TCR β -FITC and TCR $\gamma\delta$ -PE



Figure

Fig. S1 Photomicrographs of peritoneal cells from mice killed at the indicated time following the i.p. inoculation with LAC-4. (A) Peritoneal cells from a mouse killed at 0 h, showing the presence of predominantly resting macrophages, lymphocytes and mast cells without the presence of neutrophils; (B) Peritoneal cells from a lethally infected mouse killed at 4 h p.i., showing the presence of macrophages and lymphocytes admixed with moderate numbers of neutrophils; (C) Peritoneal cells from a sublethally infected mouse killed at 4 h p.i., showing predominantly neutrophils with horseshoe-shaped nuclei admixed with small numbers of macrophages or lymphocytes; (D) Peritoneal cells from a sublethally infected mouse killed at 24 h p.i., consisting of almost entirely neutrophils with occasional degenerated macrophages; (E) Peritoneal cells from a sublethally infected mouse killed at 48 h p.i., showing that neutrophils remain the predominant cell subpopulation although their proportion is reduced as compared to 24 h p.i. ; (F) Peritoneal cells from a sublethally infected mouse killed at 72 h p.i., showing the significant reduction in neutrophils and increases in the proportion of macrophages or lymphocytes; (G) Peritoneal cells from a mouse killed at 168 h p.i., showing predominantly macrophages and lymphocytes admixed with small numbers of neutrophils. Hema-3 staining, bar = 100 μ m. Black arrows: macrophages; white arrows: lymphocytes; arrowheads: neutrophils.

