



**Supplementary Figure 4.** Flow cytometric and morphologic analysis of murine colonic LPMPs (related to Figures 4-6). (A) Cell suspensions prepared from the lamina propria of murine colons were immunostained for flow cytometry. After exclusion of cell debris, doublets and dead cells, CD45<sup>+</sup> leukocytes were gated according to the shown sequence in order to determine the proportion of CD11b<sup>+</sup>F4/80<sup>+</sup>CD11c<sup>-</sup>Ly6G<sup>-</sup> LPMPs. (B) LPMPs were differentiated into yolk sac-derived F4/80<sup>hi</sup>CD11b<sup>+/-</sup>Ly6G<sup>-</sup>CD11c<sup>-</sup> LPMPs and replacing blood-derived F4/80<sup>+</sup>CD11b<sup>+</sup>Ly6G<sup>-</sup>CD11c<sup>-</sup> LPMPs to account for the cell exchange with increasing age. (C) Morphology of isolated WT and *S100a9*<sup>-/-</sup> LPMPs at indicated ages. May-Grunwald-Giemsa-staining. Scale bars, 10  $\mu$ m.