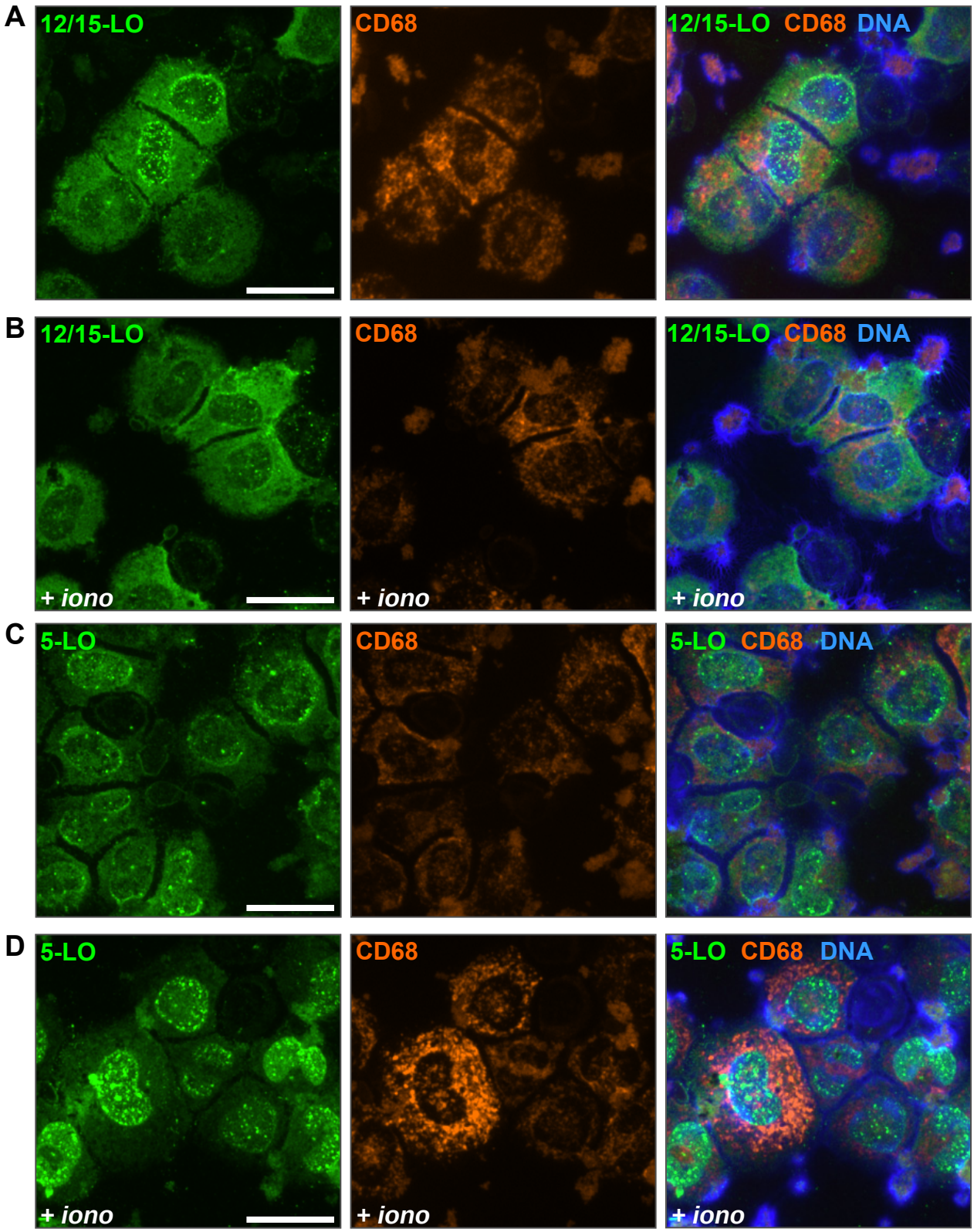
Supplemental Fig. 1. Intracellular dynamics of lipoxygenase localization in resident peritoneal macrophages. Peritoneal exudates from 12/15-LO$^{+/+}$ 5-LO$^{+/+}$ mice were either fixed directly or incubated with $CaCl_2$ and ionophore A23187 for 5 min prior to fixation. Immunodetection of 12/15-LO, 5-LO, and CD68 was performed, followed by mounting in Pro-Long Antifade GOLD containing DAPI. **A-B**, 12/15-LO^{+} cells (green) co-localize with CD68^{+} cells. Activation by ionophore does not cause substantial redistribution of 12/15-LO from the cytoplasmic compartment with only slight accumulation at nuclear (**A, B**) and some cytoplasmic (**B**) membranes. **C-D**, Upon ionophore treatment, 5-LO staining forms a punctate pattern inside the nucleus and at the nuclear envelope (**D**). Representative of at least 3 independent experiments. Scale bar, 25 μm.

Supplemental Fig. 2. Analysis of peritoneal lavage cells. Peritoneal exudates were analysed for specific MΦ (CD11b, F4/80) and B lymphocyte (B220) antigens. A gate was set around live cells based on propidium iodide staining of dead cells (not shown). **A-B**, Representative dot plots of lavage cells. **A**, Percentages of CD11b^{+} F4/80^{+} MΦ in the top right quadrant (Q2) are given for each genotype. **B**, Dual staining for F4/80^{+} MΦ (top left quadrant Q1) and B220^{+} B cells (lower right quadrant Q4), percentages are given. **C**, Averaged percentages (mean ± S.E.M.) of CD11b^{+} F4/80^{+} MΦ, of n = 5 independent determinations per genotype. **D**, Averaged percentages of B220^{+} B cells, of n = 3-5 independent determinations per genotype.

Supplemental Fig. 1



Supplemental Fig. 2