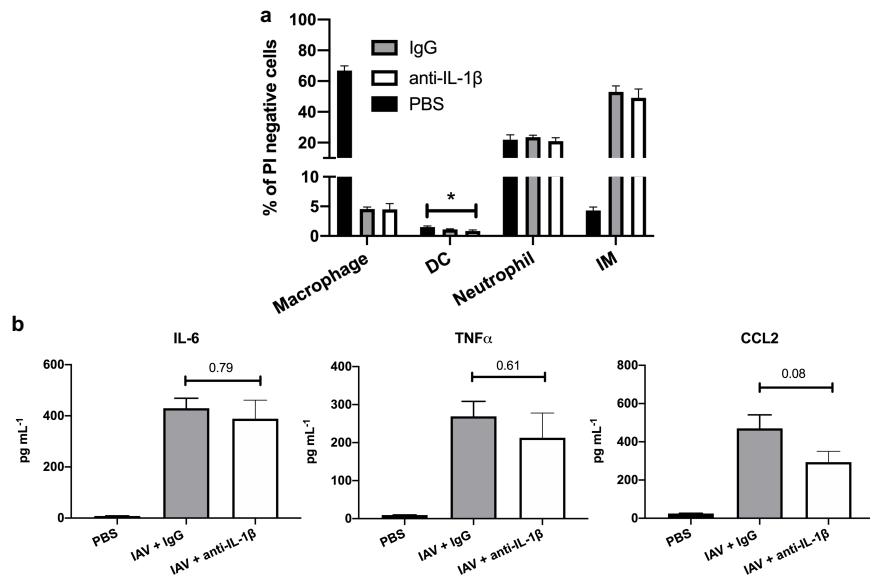**Supplementary Figure 1. (a-b)** C57BL/6 mice were infected with 10^5 PFU of HKx31 and CD45$^+$ haemopoietic and CD45$^-$ non-haemopoietic cells were isolated from lungs on day 1 and 3 post-infection. Uninfected control mice were included for comparison (day 0). Immunoblot of pro-IL-1β (p31) and IL-1β (p17) in cell lysates from **(a)** CD45$^+$ and **(b)** CD45$^-$ cells. Loading controls did not resolve on the re-probed blots. Expression of p17 (IL-1β) relative to p31 (pro-IL-1β) is shown. * $P <$ 0.05; One-way ANOVA. Data are representative of 2 independent experiments each consisting of 4 or 5 mice per group.

Supplementary Figure 2. (a-b) C57BL/6 mice were intranasally treated with anti-IL-1β antibody or IgG antibodies on day 3 following infection with 10^5 PFU of HKx31 (IAV). Control uninfected mice received intranasal PBS alone (PBS). On day 4 post-infection, disease parameters were examined. **(a)** Frequency of Ly6G$^+$ neutrophils, Ly6C$^+$ inflammatory macrophages (IM), CD11c$^+$ I-A^b high dendritic cells (DC) and CD11c$^+$ I-A^b low macrophages in BAL determined by flow cytometry. * P < 0.05, One-way ANOVA. **(b)** Concentration of IL-6, TNFα, CCL2 in in BAL fluids determined by cytokine bead array. P-values are shown IgG vs anti-IL-1β; One-way ANOVA. Levels of IL-6, TNFα, CCL2 were significantly increased in both IAV-infected groups in comparison to uninfected PBS controls (P < 0.01). **(a-b)** Data represents the mean ± SEM and is representative of 2 independent experiments which were pooled. n = 8.
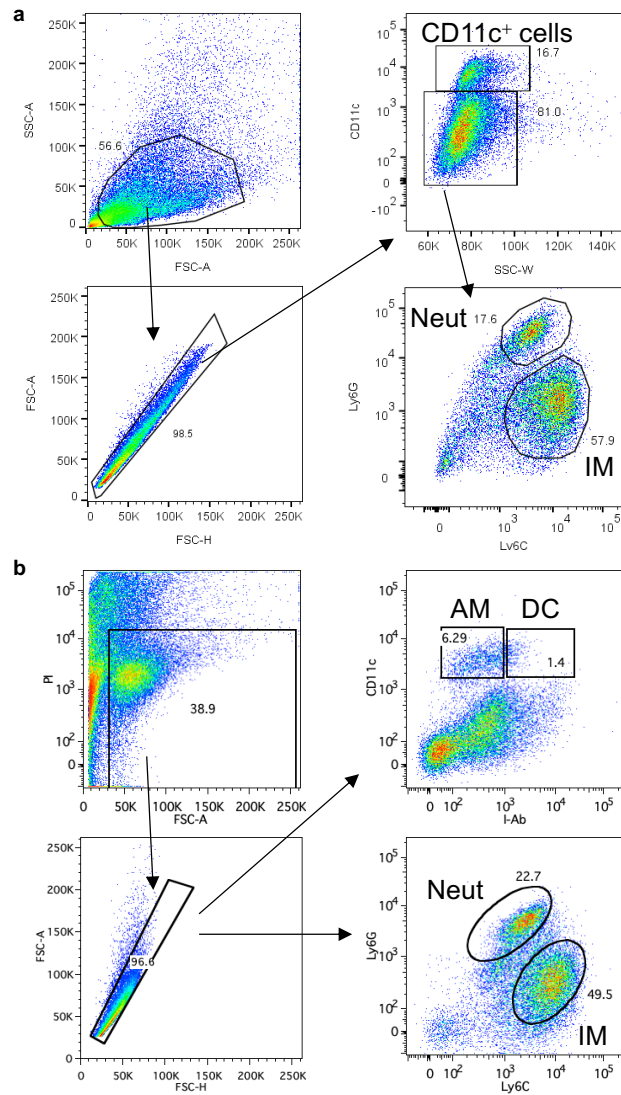
Supplementary Figure 3. (a) Flow cytometry gating strategy to examine intracellular pro-IL-1β and pro-IL-18 expression in CD11c$^+$ cells, Ly6G$^+$ neutrophils (Neut) and Ly6C$^+$ inflammatory macrophages (IM) in the BAL. **(b)** Flow cytometry gating strategy to numerate numbers of PI$^-$ CD11c$^+$ I-A^b low alveolar macrophages, CD11c$^+$ I-A^b high dendritic cells, Ly6G$^+$ neutrophils and Ly6C$^+$ inflammatory macrophages in the BAL.