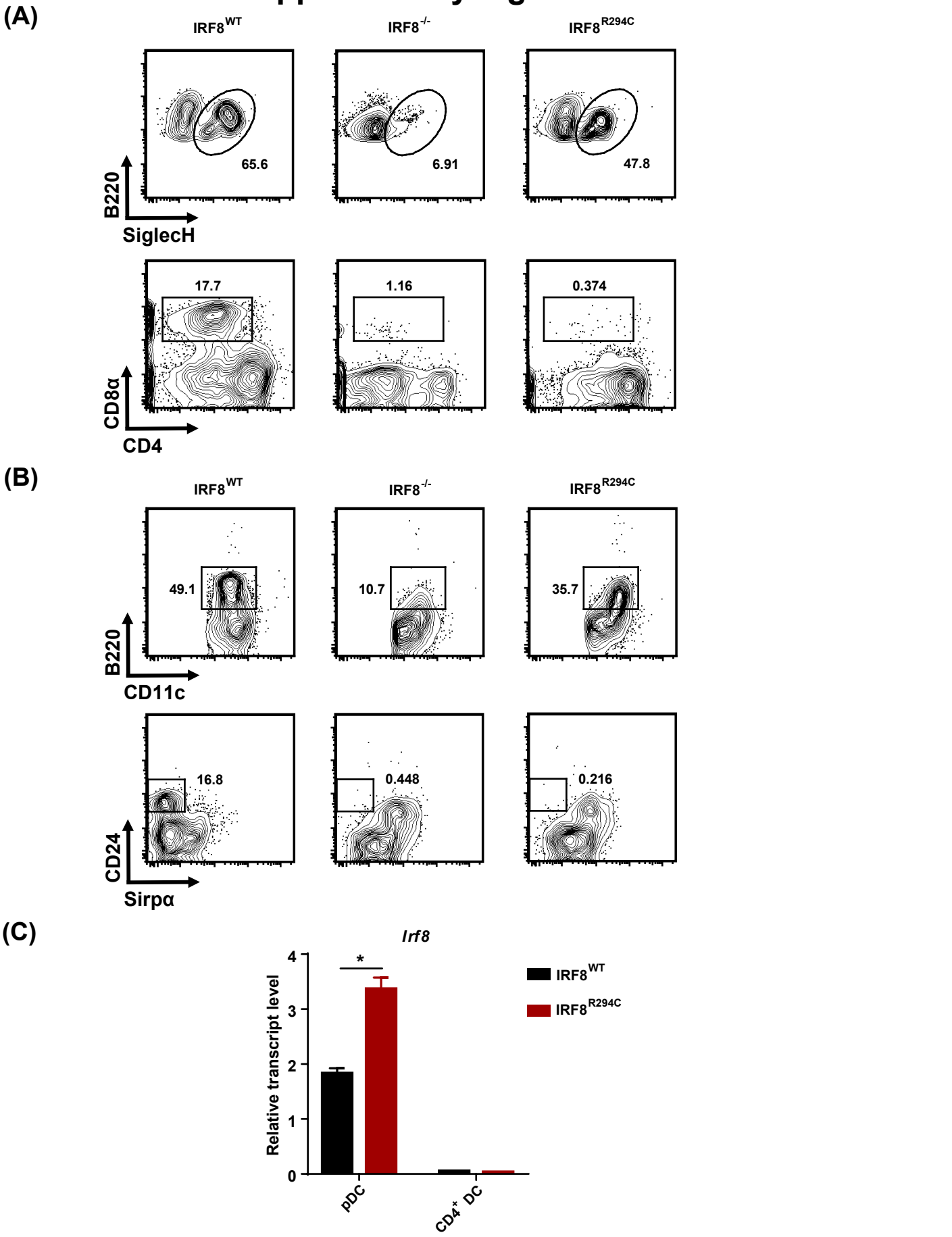
Supplementary Figure 1



Supplementary figure 1. ***Irf8*^{R294C} mutation selectively abrogates cDC1 development. (A)** Flowcytometric analysis of splenic DC subsets depicts the absence of CD11c^{+}B220^{+}SiglecH^{+} pDCs (analysed in live and CD11c^{+}B220^{+}gate) in IRF8$^{-/-}$ and CD11c^{+}B220^{-}CD8α^{+}CD4^{-} cDC1s (analysed in live and CD11c^{+}B220^{-}gate) in both IRF8$^{-/-}$and IRF8^{R294C} mice. **(B)** Characterisation of FLDC cultures exhibit the absence of CD11c^{+}B220^{+} pDCs (analysed in live and CD11c^{+}gate) in IRF8$^{-/-}$ and abrogation of CD11c^{+}B220^{-}CD24^{+}Sirpα^{-} cDC1s (analysed in live and CD11c^{+}B220^{-}gate) in both IRF8$^{-/-}$and IRF8^{R294C} mice. **(C)** qRT-PCR analysis of *Irf8* transcript in splenic CD11c^{+}B220^{+} pDCs and CD11c^{+}B220^{-}CD8α^{-} CD4^{+} DCs (CD4^{+} DC) show increased level of *Irf8* transcript in IRF8^{R294C} pDCs in comparison to IRF8^{WT}. Data is representative of two independent experiments with error bar representing + SEM and *p<0.05. p value obtained from Student's t test. Data **(A,B)** are representative of three independent experiments.