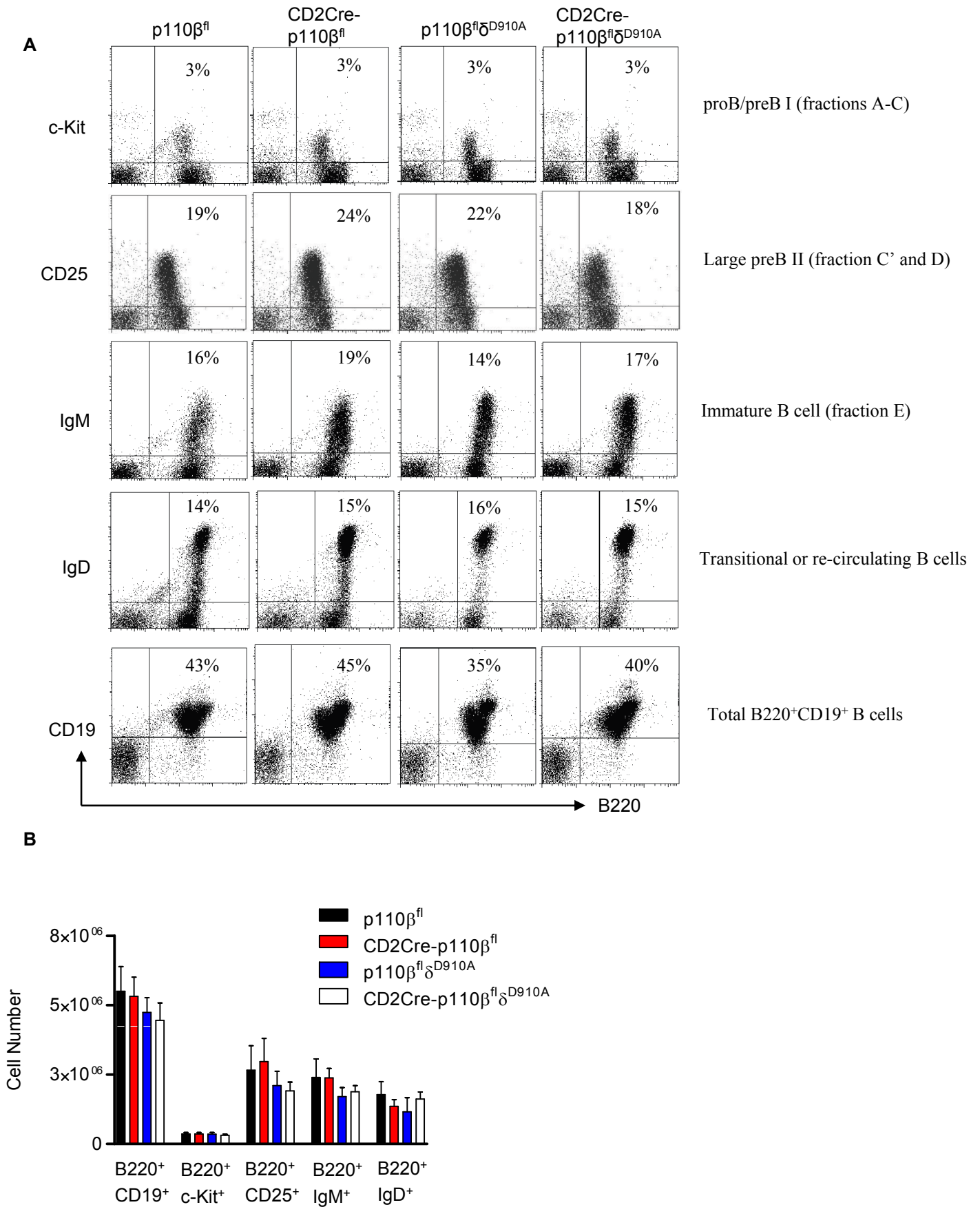


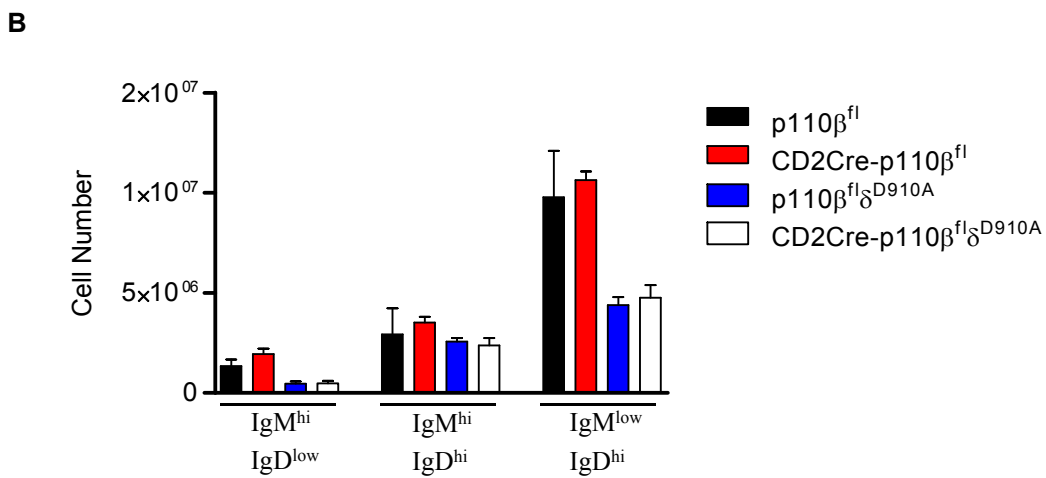
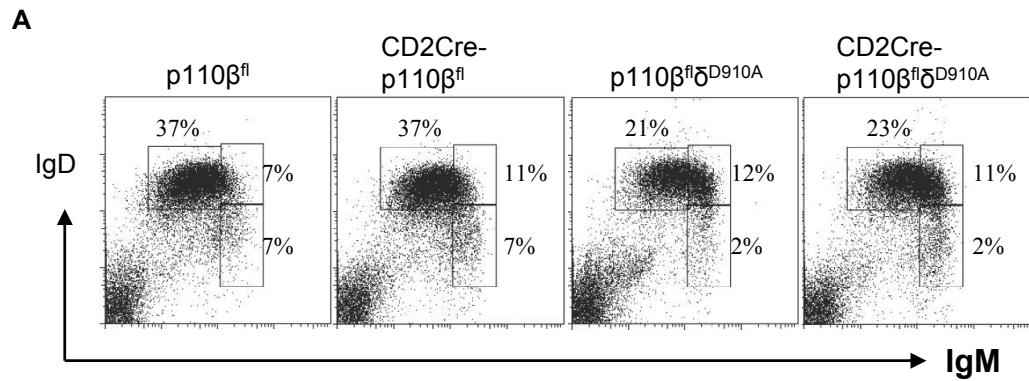
Supplemental figure 1. B cell development is intact in the absence of p110 β and p110 δ activities



A. FACS plots of lymphocytes from the bone marrow. The percentages in each quadrant or gate are averages. p110 β^{fl} (n=6), CD2Cre-p110 β^{fl} (n=8), p110 $\beta^{\text{fl}}\delta^{\text{D910A}}$ (n=5), CD2Cre-p110 $\beta^{\text{fl}}\delta^{\text{D910A}}$ (n=13).

B. Total number of each B cell subset from two femurs (+/- SEM).

Supplemental figure 2. Deficiency in p110 β does not affect B cell maturation in the spleen.



A. Splens cells from p110 β^{fl} (n=11), CD2Cre-p110 β^{fl} (n=6), p110 $\beta^{fl}\Delta^{D910A}$ (n=11), CD2Cre-p110 $\beta^{fl}\Delta^{D910A}$ (n=11) were analyzed by FACS using the indicated markers.

B. Numbers of immature (IgM^{hi}IgD^{low} or IgM^{hi}IgD^{hi}) and mature IgM^{low}IgD^{hi} B cells (+/- SEM).