

Supplementary figure 1

A

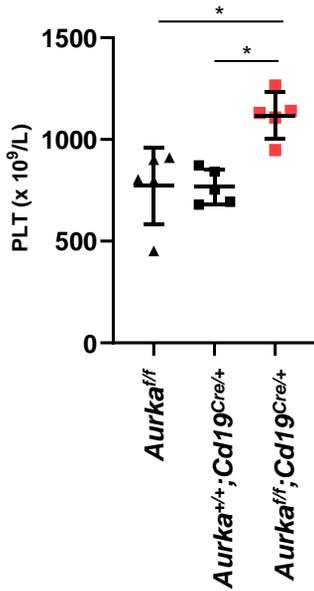


Figure. S1. The total number of platelets in peripheral blood is shown in Figure. 4.

The dot graph shows the total number of platelets in the peripheral blood of the *Aurka^{ff}* mice, *Aurka^{+/+}; Cd19^{Cre/+}* mice or *Aurka^{ff}; Cd19^{Cre/+}* mice. The graph shows the mean \pm SD of one of two independent experiments ($n = 5$ mice/group) with similar results. Significance was calculated using an unpaired Student's t-test.

*, $P < 0.05$.

Supplementary figure 2

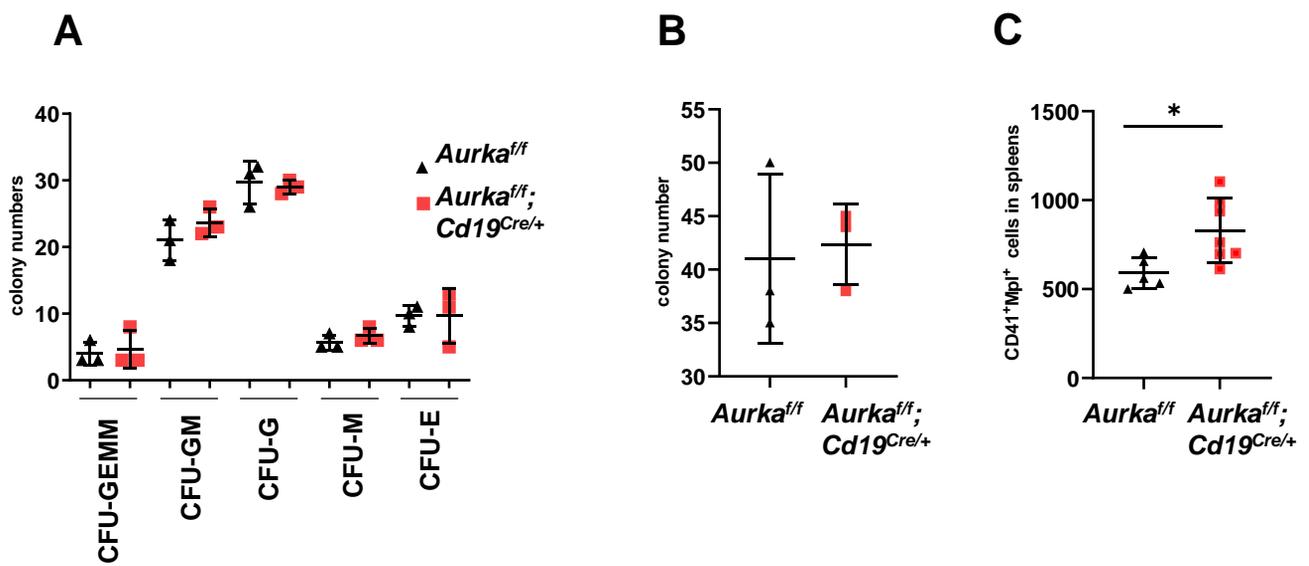


Figure. S2. Deletion of Aurora-A contributed to megakaryocytopoiesis in the spleen without impairing hematopoiesis, as shown in Figure. 5.

(A, B) CFU-GEMM, CFU-E, CFU-GM, CFU-G, CGU-M and CFU-MK colonies from Lin⁻c-Kit⁺Sca-1⁻ cells in mice with the indicated genotypes (n = 3). The graph shows the mean \pm SD of one of two independent experiments with similar results. (C) Dot graph showing the number of CD41⁺Mpl⁺ megakaryocytes in 1×10^4 c-Kit⁺ splenic nucleated cells removed from the *Aurka*^{ff} mice (n = 5 mice) or the *Aurka*^{ff}; *Cd19*^{Cre/+} mice (n = 7 mice). The graph shows the mean \pm SD of one of two independent experiments with similar results.

Significance was calculated using an unpaired Student's t-test. *, $P < 0.05$.

Supplementary figure 3

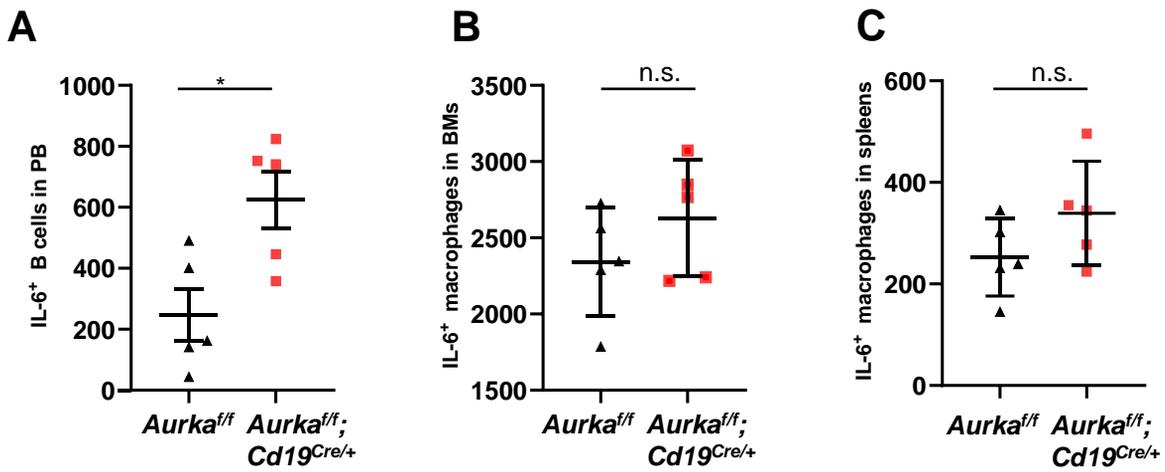


Figure. S3. *Aurka* deletion induced B cells or macrophages expressing IL-6, as shown in Figure. 7.

(A) Dot graph shows the number of CD19⁺IL-6⁺ B cells in 3×10^4 CD45⁺CD3⁻ nucleated cells from PB of the *Aurka*^{f/f} mice or the *Aurka*^{f/f}; *Cd19*^{Cre/+} mice. *, $P < 0.05$. (B) Dot graph shows the number of CD11b⁺F4/80⁺ macrophages expressing IL-6 in 5×10^4 CD45⁺ BM nucleated cells from the *Aurka*^{f/f} mice or the *Aurka*^{f/f}; *Cd19*^{Cre/+} mice. n.s., not significant. (C) Dot graph shows the number of CD11b⁺F4/80⁺ macrophages expressing IL-6 in 5×10^4 CD45⁺ splenic nucleated cells from the *Aurka*^{f/f} mice or the *Aurka*^{f/f}; *Cd19*^{Cre/+} mice. n.s., not significant. (A-C) The graph shows the mean \pm SD of one of two independent experiments with similar results. Significance was calculated using an unpaired Student's t-test.