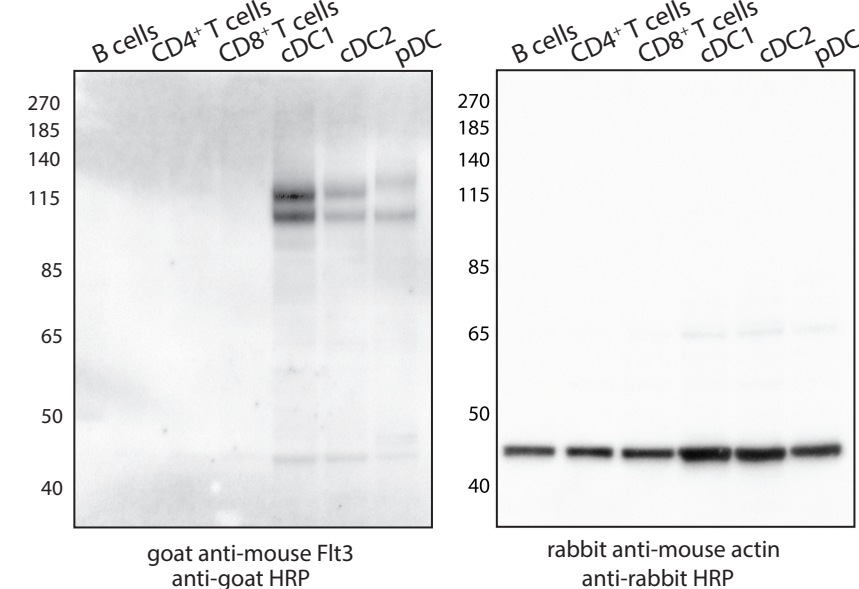
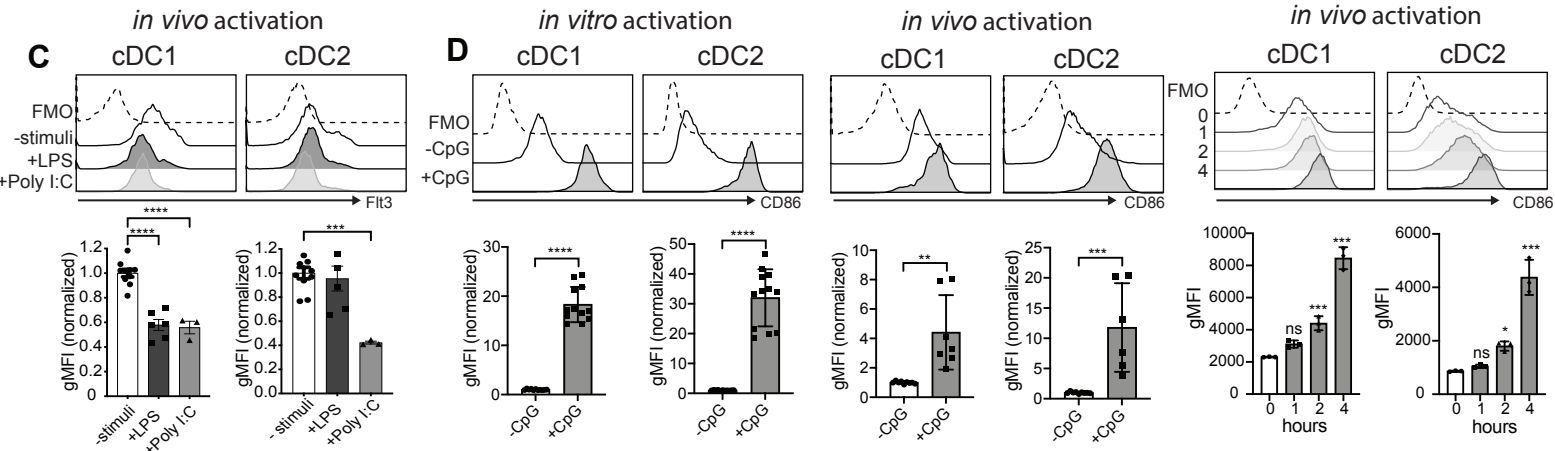
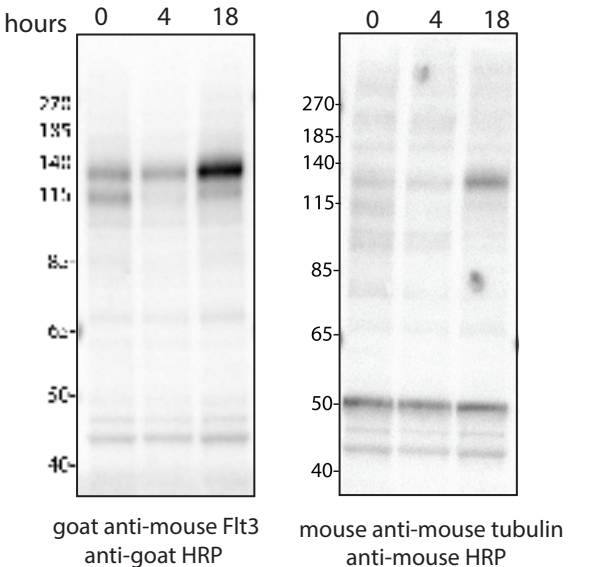


Supplementary Figure 1

A

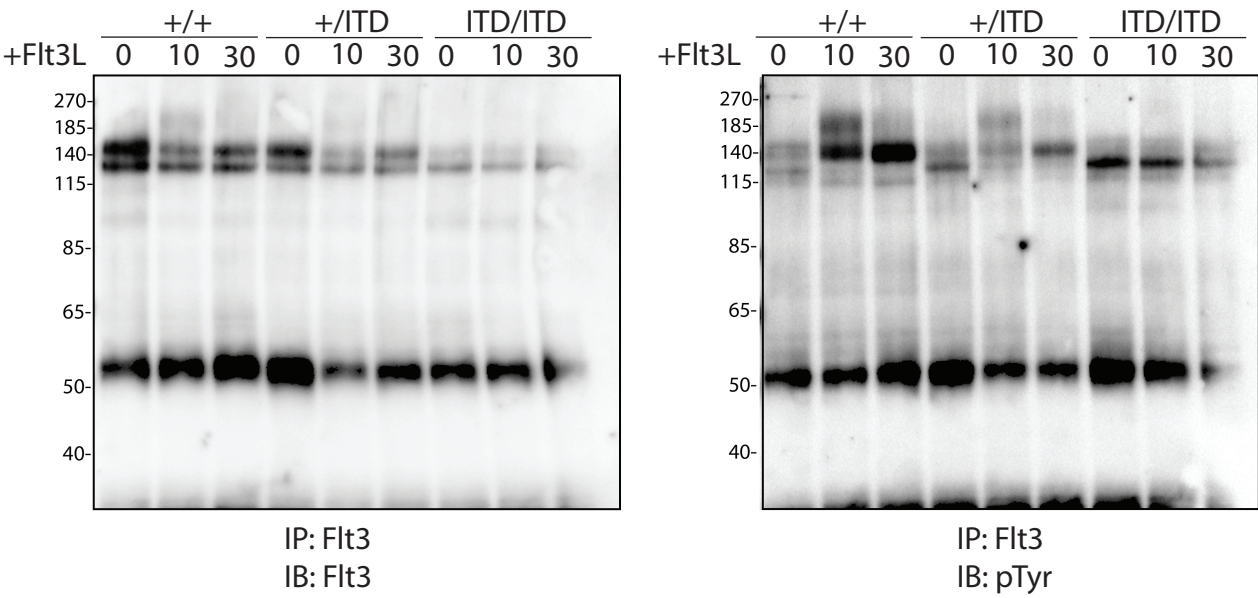


B



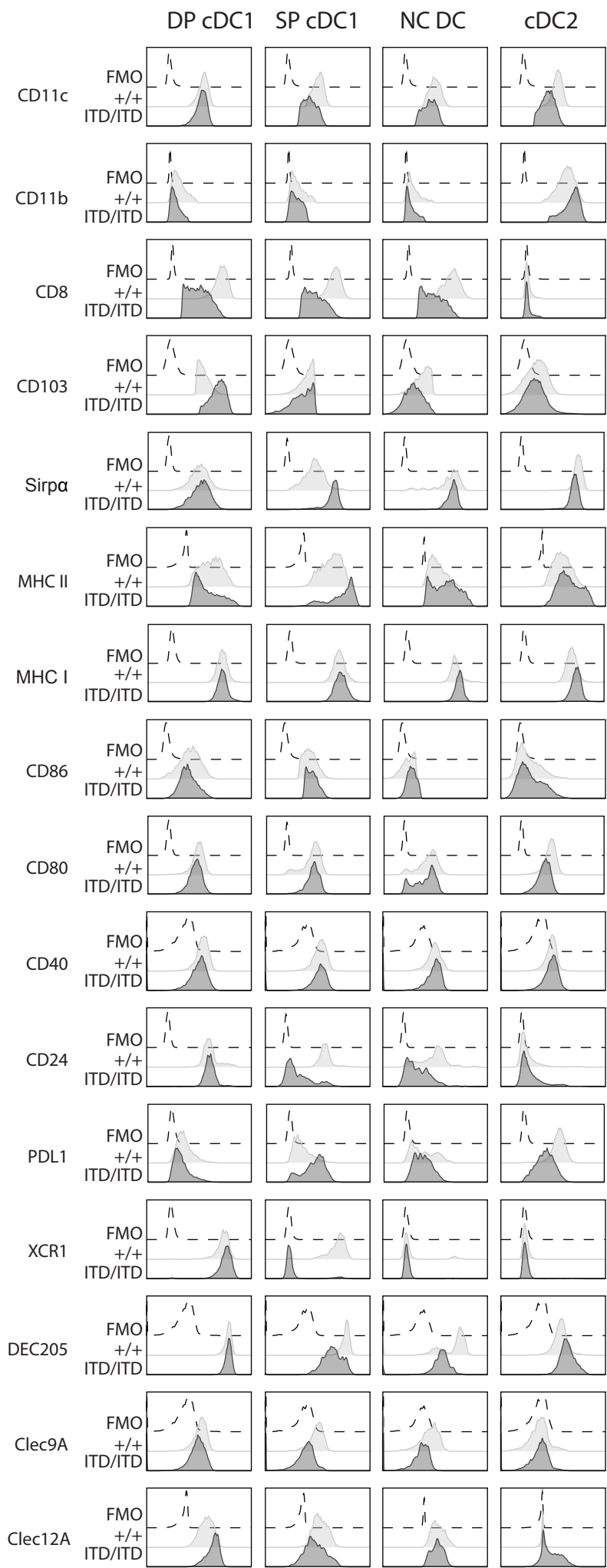
Supplementary Figure 1. Splenic DC regulate Flt3. (A) Full blot for representative blot in Figure 1B. (B) Full blot for representative blot in Figure 1D. (C) Mice were injected intravenously with PBS (-stimuli), LPS (3 μ g) or Poly I:C (50 μ g). Cell surface expression of Flt3 was determined by flow cytometry. Histograms are representative cell surface expression. (D) Splenic DCs were isolated and stimulated overnight with (+) or without (-) CpG 1668 ODN (0.5 μ M) at 37°C. Mice were injected intravenously with PBS (-CpG) or CPG 1668 ODN (0.2 μ M). Cell surface expression of CD86 was determined by flow cytometry. Histograms are representative cell surface expression. Data is from at least 2 independent experiments, symbols represent individual mice. Bars are mean \pm SD, unpaired t-test. ****P <0.0001 ***P <0.001 **P <0.01. Data for time course is from one experiment. Bars are mean \pm SD, one-way ANOVA with Dunnett's multiple comparisons test. *** P <0.001 *P <0.05, ns not significant.

Supplementary Figure 2



Supplementary Figure 2. Intracellular Flt3 is activated in Flt3^{TD/ITD} DCs.
(A) Full blot shown in Figure 2C. Blot generated as described in Figure 2 figure legend.

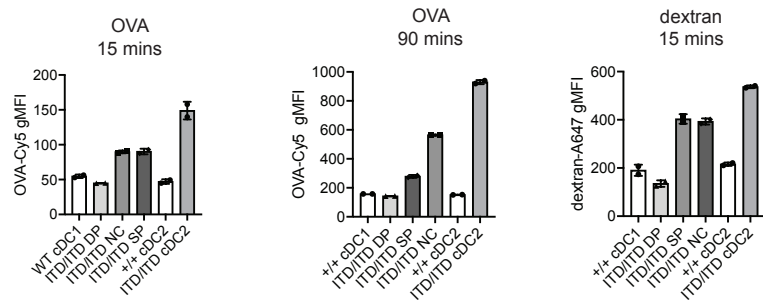
Supplementary Figure 3



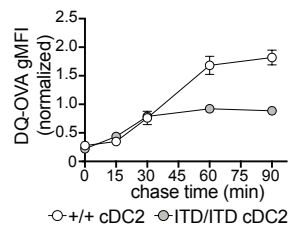
Supplementary Figure 3. Flt3-ITD alters splenic DC surface expression. Splenic DCs were stained for surface markers and analyzed by flow cytometry. Representative histograms are shown for the data quantified in Figure 3.

Supplementary Figure 4

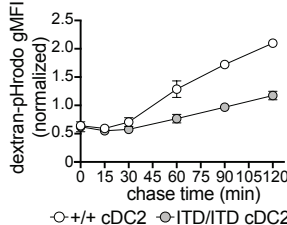
A



B



C



Supplementary Figure 4. Flt3-ITD impacts splenic DC antigen uptake and proteolysis. (A-C) Second biological replicate for experiments in Figure 4A-C.