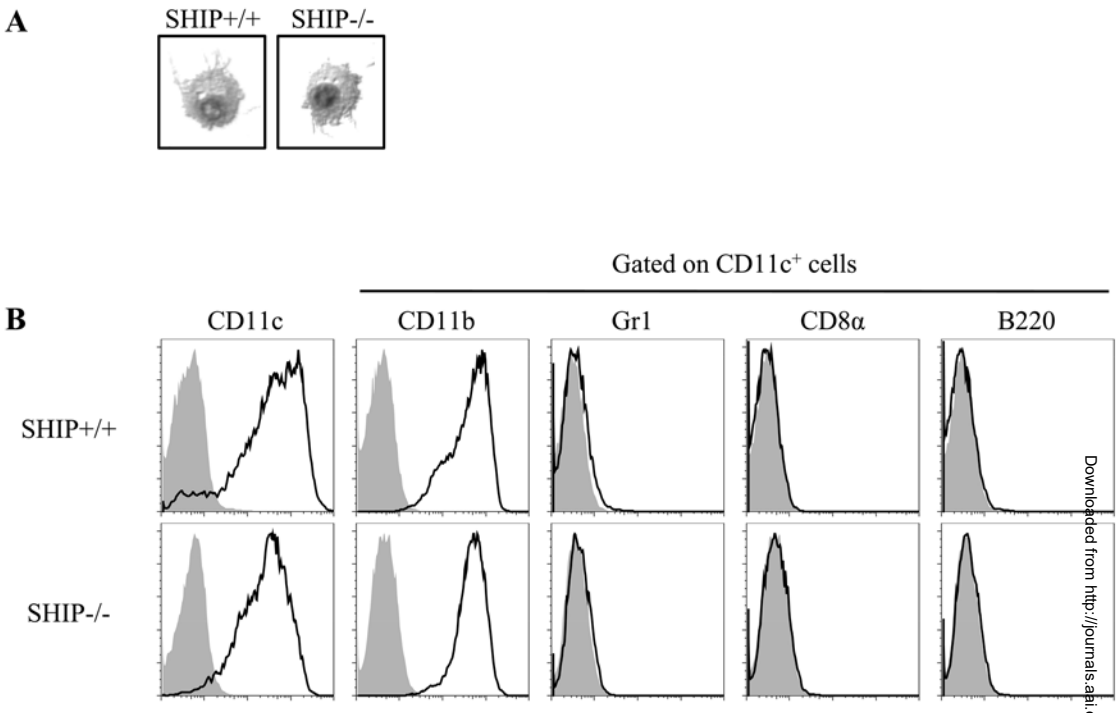
Supplemental Figure 1. SHIP+/+ and -/- GM-DCs have a similar phenotype (A) Cytospins of day 8 SHIP+/+ and -/- GM-DCs. **(B)** Day 8 SHIP+/+ and -/- GM-DCs were analyzed by flow cytometry for expression of CD11c and expression of CD11b, Gr1, CD8α and B220 on the $CD11c^+$ cells. Results are representative of three independent experiments.

Supplemental Figure 2. SHIP-/- GM-CSF-derived DCs produce less IL-12 and IL-10 but more IL-6 and TNFα after TLR activation. GM-DCs were purified from day 6 cultures and treated with the indicated concentration of flagellin and PGN for 24 hrs at 37˚C. Supernatants were collected and assayed for IL-12, IL-6, TNFα and IL-10 by ELISA. Results are mean ± SEM of two independent experiments performed in duplicate. (■) WT DC supernatants, (□) SHIP-/- DC supernatants. ***** $p<0.05$; ****** $p<0.01$; ‡ $p<0.001$ (WT vs. SHIP-/- DCs).

Supplemental Figure 3. SHIP-/- Splenic DCs fail to prime Ag-specific T_H1 responses *in vivo*. SHIP+/+ or -/- mice were immunized with OVA in CFA, by s.c. injection and after 10 days $CD4^+$ cells from the spleen and lymph nodes were isolated and re-stimulated with OVA-loaded SHIP+/+ GM-DCs. Supernatants were collected 3 days later and subjected to IFNγ ELISA. Data shown are mean ± SEM of two independent experiments performed in quadruplicate. ***** $p<0.05$; ‡ $p<0.001$ (WT vs. SHIP-/- T cells)

Supplemental Figure 4. SHIP-/- Splenic $CD11c^+$ cells have a reduced ability to induce Ag-specific T cell proliferation. $CD4^+$ T cells were isolated from OTII transgenic mice and cultured with **(A)** naïve or **(B)** LPS-treated SHIP+/+ (■) or -/- (Δ) splenic $CD11c^+$ DCs with the indicated concentration of $OVA_{323-339}$. T cell proliferation was determined by ^{3}H-thymidine incorporation.

Data shown are the mean ± SEM of three (A) or five (B) independent experiments performed in triplicate.



Supplemental Figure 1

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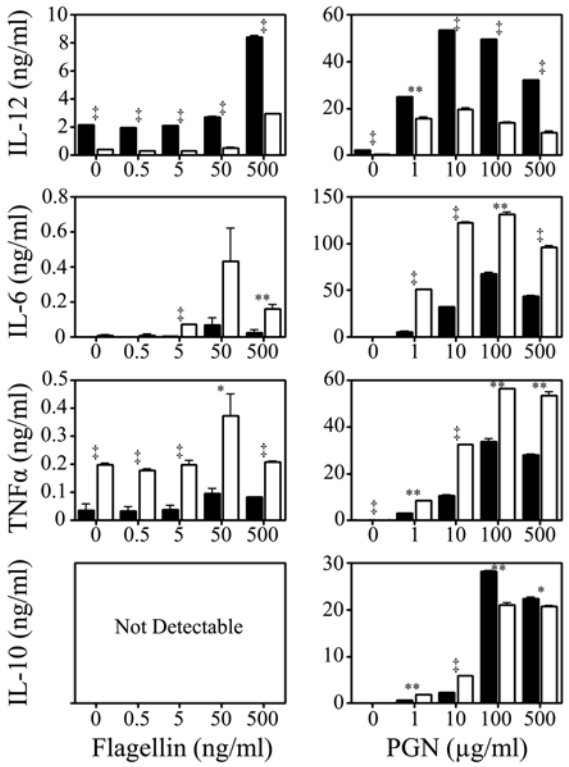

Supplemental Figure 2

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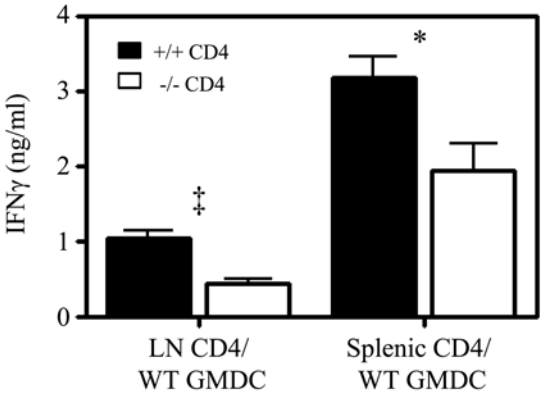

Supplemental Figure 3

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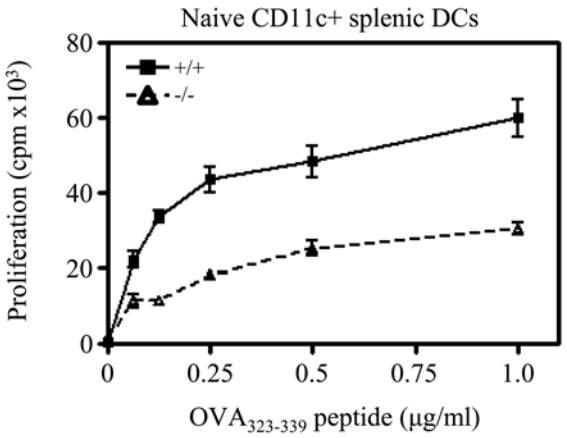
A



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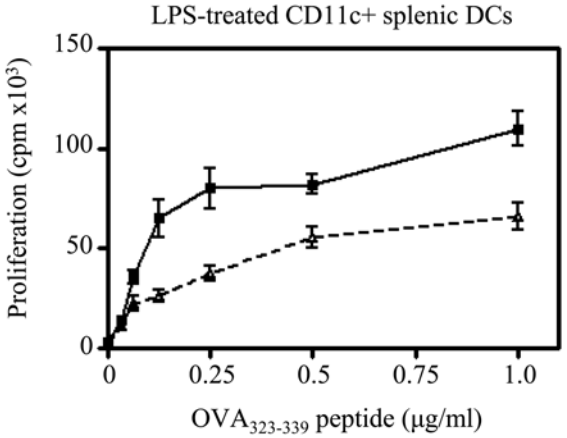

Supplemental Figure 4

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