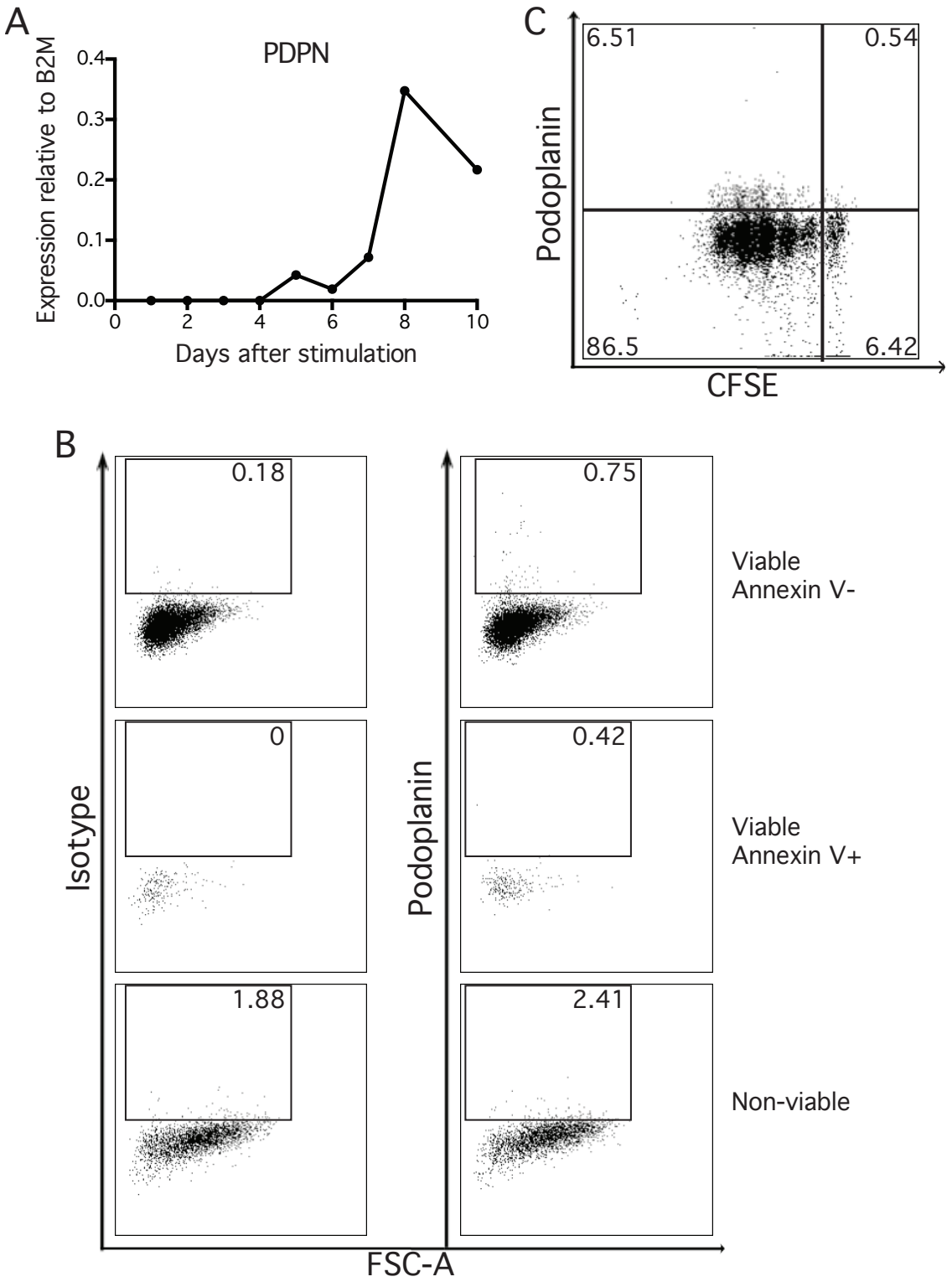
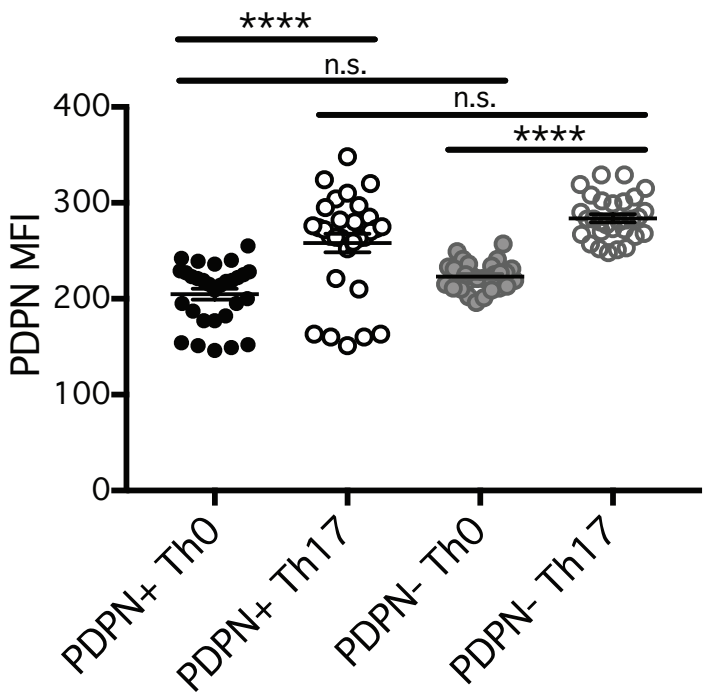
Supplementary Figures and Figure Legends

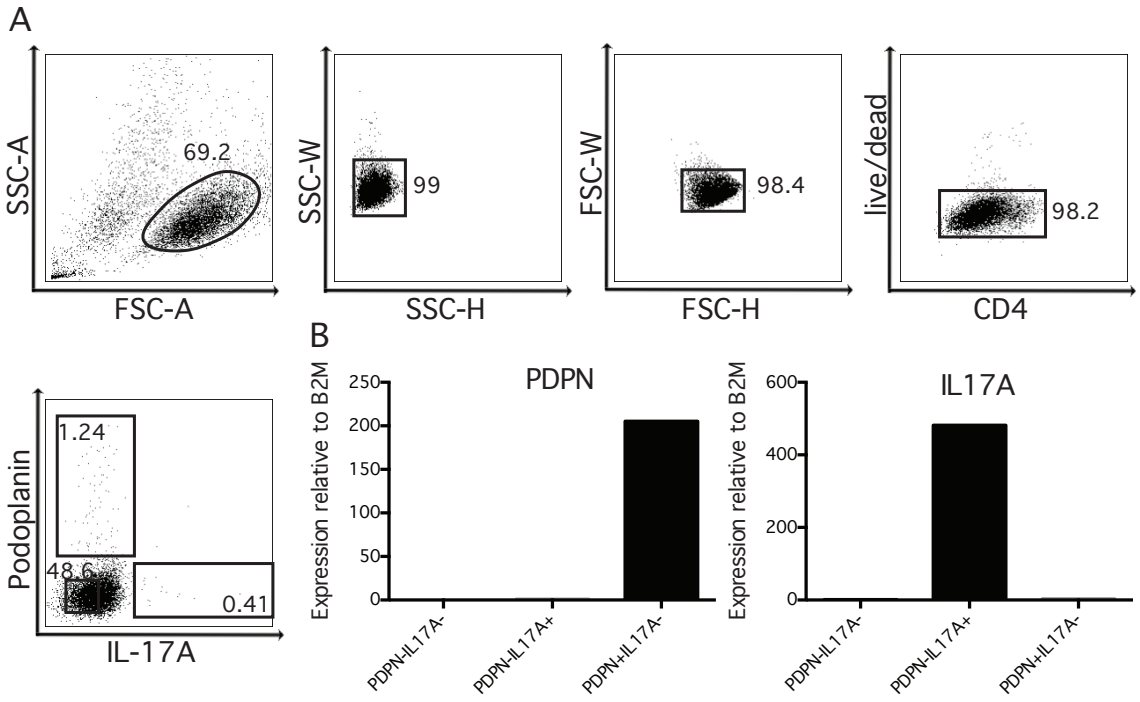


Supplementary Figure 1. **PDPN is expressed late after stimulation on viable,**

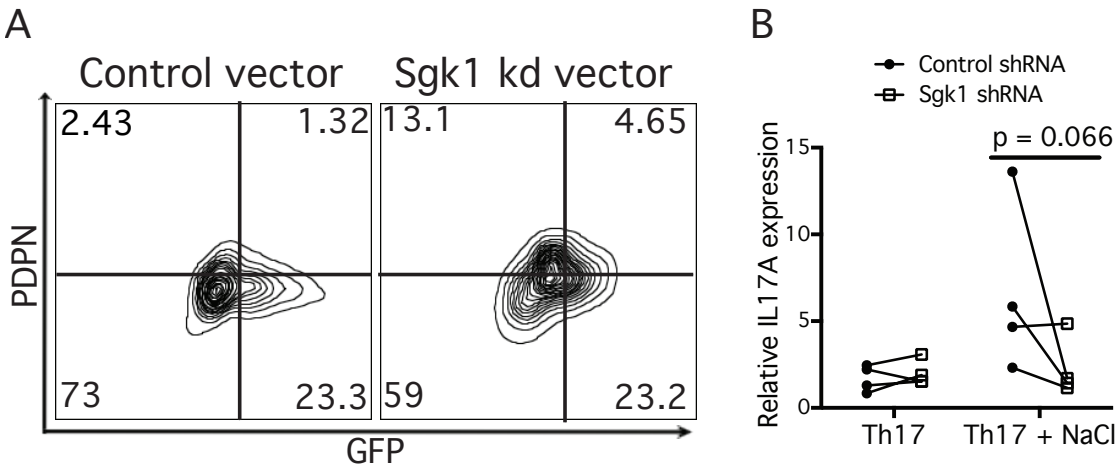
proliferating CD4$^+$ T cells. (**A**) After stimulation of naïve CD4$^+$ T cells under Th17 polarizing conditions, expression of *PDPN* relative to β2M was measured by quantitative PCR every 24 hours over 10 days. (**B**) After 7 days of Th17 polarization cells were labeled with markers for viability, Annexin V, and PDPN or its isotype and then assessed by flow cytometry. (**C**) CD4$^+$ T cells were labeled with CFSE and then stimulated under Th17 conditions for 1 week to assess proliferation by CFSE dilution and PDPN expression on dividing cells. N = 3.



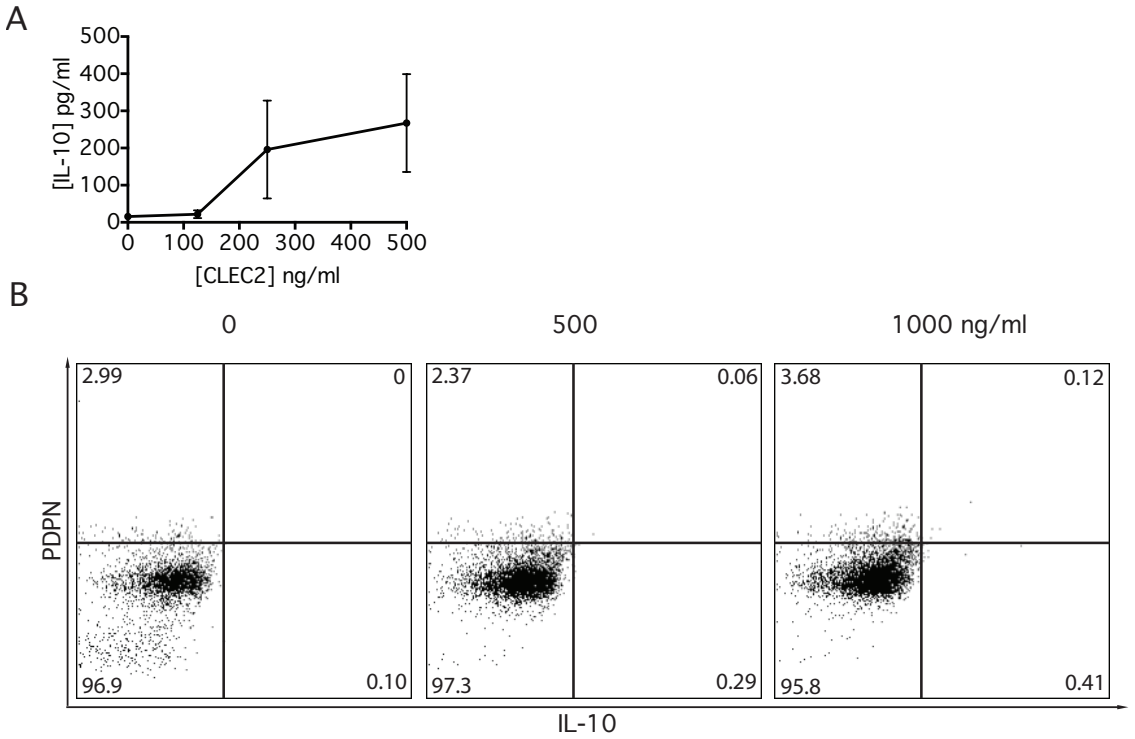
Supplementary Figure 2. **PDPN expression requires ongoing Th17 polarizing milieu.** Naïve $CD4^+$ T cells were cultured under Th17 polarizing conditions for 1 week and then single $PDPN^+$ or $PDPN^-$ single cells were sorted onto allogeneic irradiated PBMCs. Cells were grown and expanded with IL-2 (Th0) or with IL-2 and Th17 polarizing cytokines (Th17) for 5 weeks and then evaluated for PDPN expression by flow cytometry. Data shown is mean fluorescent intensity (MFI). Data points represent individual clones. Comparisons pre-selected and then analyzed as one-way ANOVA with Sidak's multiple comparisons test. ****$p < 0.0001$. Graph shows mean ± SEM.



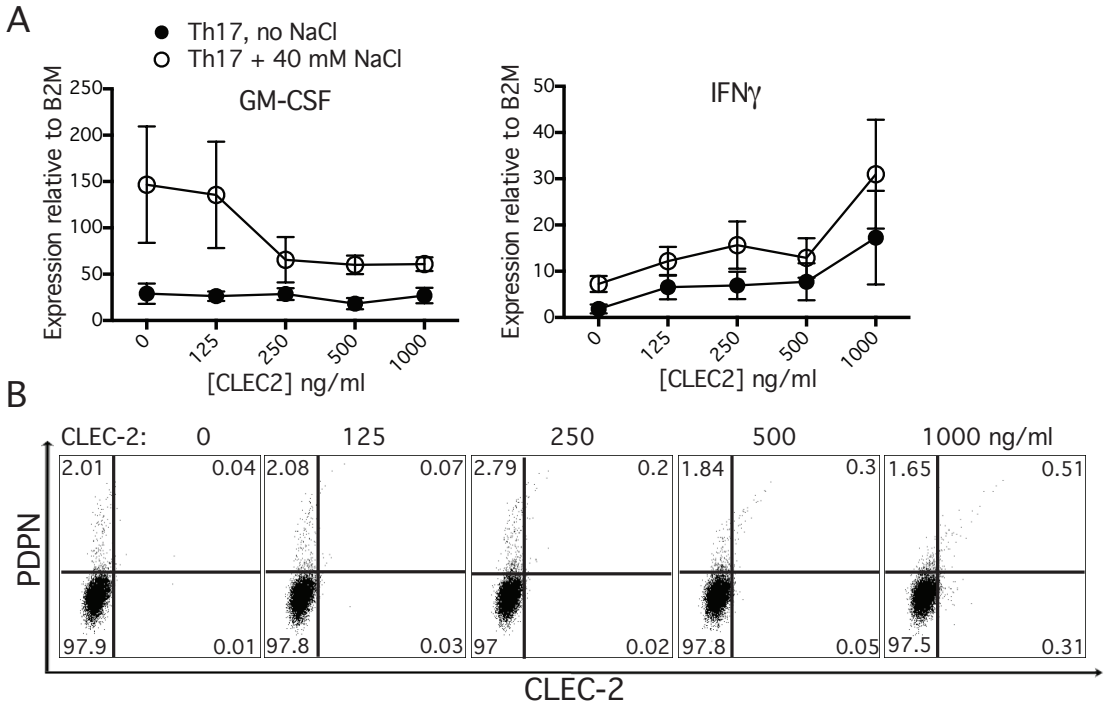
Supplementary Figure 3. **PDPN$^+$ and IL-17A$^+$ CD4$^+$ T cells identified by flow cytometry express appropriate mRNA prior to NanoString analysis.** (**A**) Naïve CD4+ T cells were stimulated under Th17 polarizing conditions for 1 week before resorting based on PDPN and IL-17A cell surface expression. Stimulated cells were gated on lymphocytes, doublets were excluded, gated on viable CD4+ cells, and gates were placed around the PDPN$^-$ IL17A$^-$, PDPN$^+$IL-17A$^-$, and PDPN$^-$IL17A$^+$ populations and sorted on a FACS Aria. (**B**) After sorting, gene expression relative to β2M was verified by quantitative PCR. Representative example of 2 experiments.



Supplementary Figure 4. **Sgk1 knockdown leads to reduction in IL-17A under high-salt Th17 conditions.** (**A**) $CD4^+$ T cells were stimulated under Th17 polarizing conditions with or without an additional 40 mM NaCl and infected with either Sgk1 shRNA or non-target control shRNA and then assessed by flow cytometry. Representative flow cytometry plot GFP expression was similar for Sgk1 and control shRNA, confirming similar levels of vector expression. (**B**) Gene expression was evaluated by quantitative PCR relative to β2M. Analyzed by two-way ANOVA. Under high salt conditions Sgk1 knockdown led to a reduction in *IL17A* relative to β2M though it did not reach statistical significance. N=4.



Supplementary Figure 5. **CLEC-2 leads to increased IL-10 production in Th17 polarized cell cultures.** (**A**) $CD4^+$ T cells were stimulated under Th17 polarizing conditions with varying concentrations of CLEC-2. IL-10 secretion was measured by ELISA on day 7. Graph shows means ± SEM. N=7. (**B**) Representative example of flow cytometry for PDPN and IL-10 on day 4 with varying concentrations of CLEC-2.



Supplementary Figure 6. **CLEC-2 ligation of PDPN led to changes in cytokine expression.** (**A**) mRNA of cytokines relative to β2M was assessed by quantitative PCR after 1 week of incubation under Th17 conditions with varying concentrations of CLEC-2. N=5. (**B**) CLEC-2 is shown to be co-localized with PDPN by flow cytometry as increasing concentrations of CLEC-2 are added to cultures. N=2. Graphs show mean ± SEM.