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Supplemental Information

**Survival of Single Positive Thymocytes Depends
upon Developmental Control of RIPK1 Kinase**

Signaling by the IKK Complex Independent of NF- κ B

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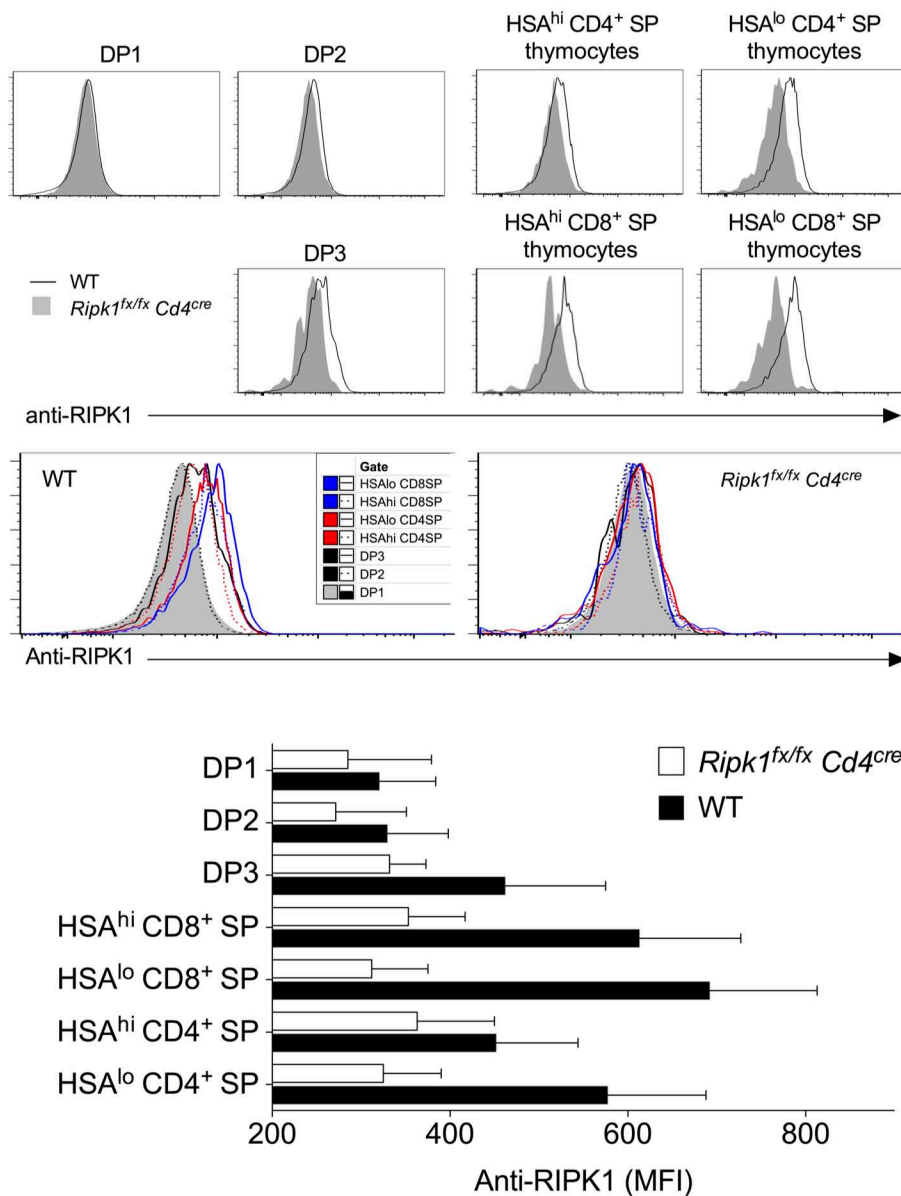


Figure S1 - RIPK1 expression in WT controls vs RIPK1 deficient thymocytes. Related to Figure 4. Thymocytes from 8 week old CD4^{Cre} *Ripk1^{fx/fx}* (n=3) and Cre⁻ littermates (n=3) were isolated and stained for expression of CD4, CD8, TCR, CD5, HSA followed by fixation and intracellular stain for RIPK1 expression. Histograms show RIPK1 staining by thymocytes from Cre⁺ (RIPK1 KO) and Cre⁻ (WT), comparing either RIPK1 staining of specific thymic subsets between Cre⁺ and Cre⁻ mice (top two rows), or directly comparing staining of different subpopulations from Cre⁻ (WT) and CD4^{Cre} *Ripk1^{fx/fx}* mice (bottom row). Subsets were gated as follows : DP1 (CD4⁺CD8⁺ TCR^{LO}CD5^{LO}), DP2 (CD4⁺CD8⁺ TCR^{INT}CD5^{HI}), DP3 (CD4⁺CD8⁺ TCR^{HI}CD5^{INT}), HSA^{hi} CD4SP (CD4⁺CD8⁻ TCR^{HI}CD5^{HI} HSA^{HI}), HSA^{lo} CD4SP (CD4⁺CD8⁻ TCR^{HI}CD5^{HI} HSA^{LO}), HSA^{hi} CD8SP (CD4⁻CD8⁺ TCR^{HI}CD5^{HI} HSA^{HI}) and HSA^{lo} CD8SP (CD4⁻CD8⁺ TCR^{HI}CD5^{HI} HSA^{LO}). Bar chart shows mean fluorescence intensity of RIPK1 staining on the indicated thymic subsets from either CD4^{Cre} *Ripk1^{fx/fx}* (RIPK1 KO) and Cre⁻ (WT) littermates.