Supplementary Fig.2. SAP-1 inactivation impairs CD8 thymocyte positive selection.

(a) CD4 and CD8 populations in SAP-1-deficient/F5 TCR double-transgenic mice. Thymic cellularity was similar (WT, 336±27, n=5; SAP-1 null, 450±30, n=5) Thymocytes from SAP-1-deficient and WT mice were analyzed for expression of CD4 and CD8 as described for Fig. 6a. Numbers reflect the percentages of live Thy1+-gated thymocyte subsets (upper panels). TCR expression on T lineage (Thy-1.2+ gated) thymocytes was measured by using anti-vβ8.2 TCR β. Numbers reflect the percentages TCRhi thymocytes as defined by the marker bar (middle panels). Lower panels show CD4 and CD8 thymic profiles of thymocytes additionally on TCRhi as a percentage of total thymocytes.

(b) CD69 and CD5 expression profiles in SAP-1-deficient F5 TCR double-transgenic mice. Histograms of CD69, CD5 on Thy1.2 gated thymocytes are shown.