Supporting Information

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Fig. S1. Bim is required for caspase 3-mediated apoptosis. Active cleaved caspase 3 profile of V α 2⁺ thymocytes from OT-I \rightarrow B6 (n = 7), OT-I \rightarrow recipients that express membrane bound chicken ovalbumin under control of the rat insulin promoter (Rip-mOVA) (n = 8), OT-I Bim^{-/-} \rightarrow B6 (n = 8), OT-I Bim^{-/-} \rightarrow BIP-mOVA (n = 7), OT-I \rightarrow Act-mOVA (n = 3), and OT-I Bim^{-/-} \rightarrow Act-mOVA (n = 3) chimeras. Data are representative of the indicated number of samples.



Fig. 52. Unresponsive T cells from OT-I $\operatorname{Bim}^{-/-} \rightarrow \operatorname{Rip}$ -mOVA chimeras encounter antigen. (A) CD69 histogram of unstimulated (solid gray) and stimulated $\operatorname{Va2}^+$ CD8⁺ T cells from OT-I \rightarrow B6 (n = 7), OT-I \rightarrow RIP-mOVA (n = 8), OT-I $\operatorname{Bim}^{-/-} \rightarrow B6$ (n = 8), and OT-I $\operatorname{Bim}^{-/-} \rightarrow \operatorname{RIP}$ -mOVA (n = 7) chimeras 1 d poststimulation with congenic OVA pulsed splenocytes. (B) Cytokine production upon restimulation at day 5 of dividing and nondividing populatons from OT-I $\operatorname{Bim}^{-/-} \rightarrow \operatorname{RIP}$ -mOVA chimeras. Data are representative of the indicated number of samples over at least six experiments.



Fig. S3. Unresponsive phenotype is not due to increases in CD25-expressing cells or up-regulation of PD-1. (*A*) CD25 by Va2 profile of CD4 splenocytes from OT-I \rightarrow B6 (*n* = 7), OT-I \rightarrow RIP-mOVA (*n* = 7), OT-I \rightarrow RIP-mOVA (*n* = 3), and OT-I Bim^{-/-} \rightarrow RC+mOVA (*n* = 3), ot-I Bim^{-/-} \rightarrow Act-mOVA (*n* = 3), ot-I Bim^{-/-} \rightarrow Act-mOVA (*n* = 3), chimeras. (*B*) PD-1 expression by Va2⁺CD8⁺ T cells from B6 (solid gray), B6 chimeras (solid line), and RIP-mOVA chimeras (dashed lines). Data are representative of the indicated number of samples over at least six experiments.

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