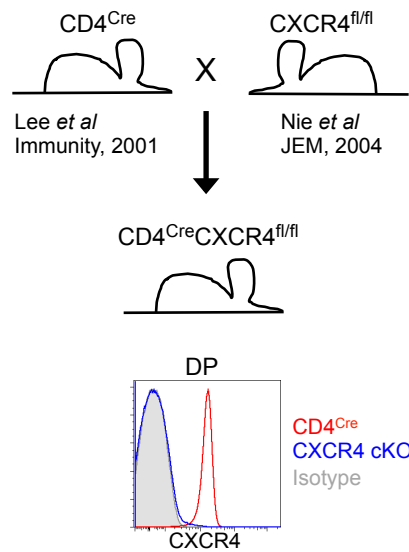


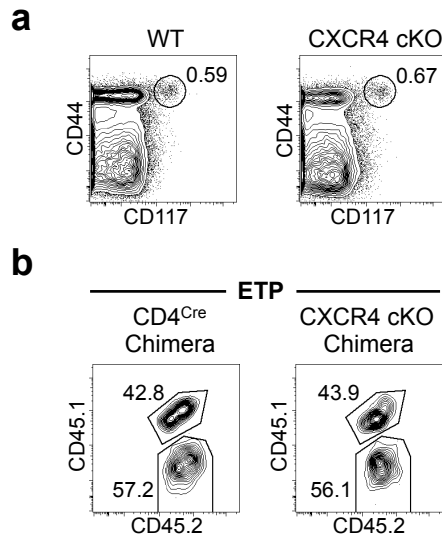
Progressive Changes in CXCR4 Expression That Define Thymocyte Positive Selection Are Dispensable For Both Innate and Conventional $\alpha\beta$ T-cell Development

Beth Lucas, Andrea J. White, Sonia M. Parnell, Peter M. Henley, William E. Jenkinson and Graham Anderson*



$CD4^{Cre}$ Mediated Deletion of CXCR4 in DP Thymocytes

$CD4^{Cre}$ and $CXCR4^{fl/fl}$ mice were used to generate $CD4^{Cre}/CXCR4^{fl/fl}$ ($CXCR4$ cKO) mice. DP thymocytes from $CD4^{Cre}$ (red line) and $CXCR4$ cKO (blue line) were stained with anti-CXCR4 antibodies. The grey histogram shows levels of expression using an isotype control antibody.



Quantitation of ETP For Analysis of Mixed BM Chimaeras

(a) Shows the proportion of Lin⁻ (CD4⁻CD8⁻CD3⁻CD25⁻CD11b⁻CD11c⁻TER119⁻NK1.1⁻TCRβ⁻TCRδ⁻GR1⁻) CD44⁺CD117⁺ early thymic progenitors in CD4^{Cre} and CXCR4 cKO mice. (b) shows ETP populations in control (CD4^{Cre}:CD4^{Cre}) and CXCR4 cKO (CD4^{Cre}:CXCR4 CKO) chimaeras, identified by expression of CD45.1 and CD45.2. Note that ETP populations are equivalent in both types of chimaeras.