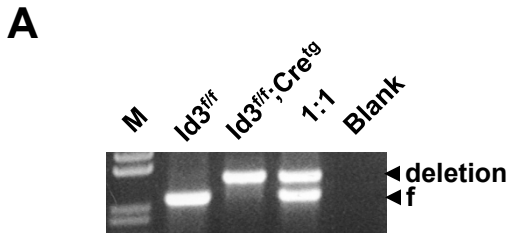
**Table S1** List of PCR primers used in this study

| Primer | Sequence (5'-3') |
|---|---|
| Id3-1 | TCTTCAGTCCTTGGAGGCAG |
| YZ29 | TCGCAGCGCATCGCCTTCTA |
| Flp-F | CACTGATATTGTAAGTAGTTTGC |
| Flp-B | CTAGTGCGAAGTAGTGATCAGG |
| Id3-2 | GGGTTTGCTCAAGATTATGTGTCG |
| Id3-3 | GCTCTGAGGTCATAAATCCC |
| Tek-F | GCCTGCATTACCGGTCGATGC |
| Tek-R | CAGGGTGTTATAAGCAATCCC |
| Id3ckoF | TTCCTCATTCCTCGCATCCG |
| Id3ckoB | GGCTTTTTCCCTAAACCGACTG |
| mId3QPCRF | GCCTCTTAGCCTCTTGGACG |
| mId3QPCRB | GTTCCGGAGAGAGCTCAGC |
| Actb-L1 | AAGGCCAACCGTGAAAAGAT |
| Actb-R1 | GTGGTACGACCAGAGGCATAC |

**Figure S1**



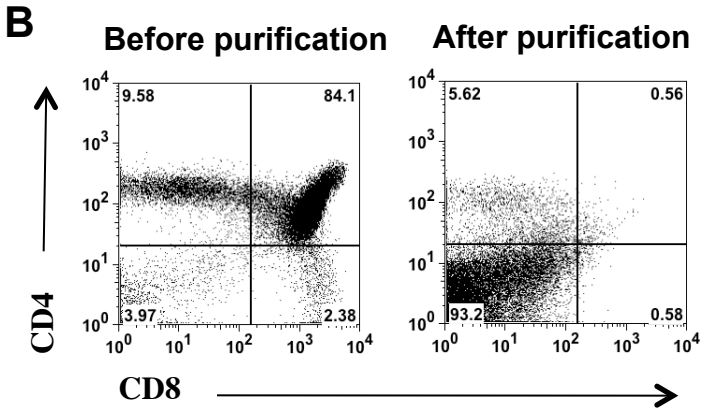




**Figure S1. (A). Competitive PCR assay for Id3 deletion using three primers, Id3-2, Id3ckoF and Id3ckoB. The reaction produces a 1.07-kb band for the Id3$^{f}$ allele and a 1.34-kb band for the deleted allele. The DNA templates were from total thymocytes in *Id3$^{f/f}$*, *Id3$^{f/f}$;LckCre* and 1:1 mixture of the first two samples, respectively. M, 1 Kb plus DNA marker. Blank, water as blank control. (B). Separation of DN cells from DP/SP cells with Dynal beads. CD4 and CD8 double staining of total thymocytes before and after Dynal bead depletion of DP/SP cells with CD4 and CD8 antibodies.**

Figure S2

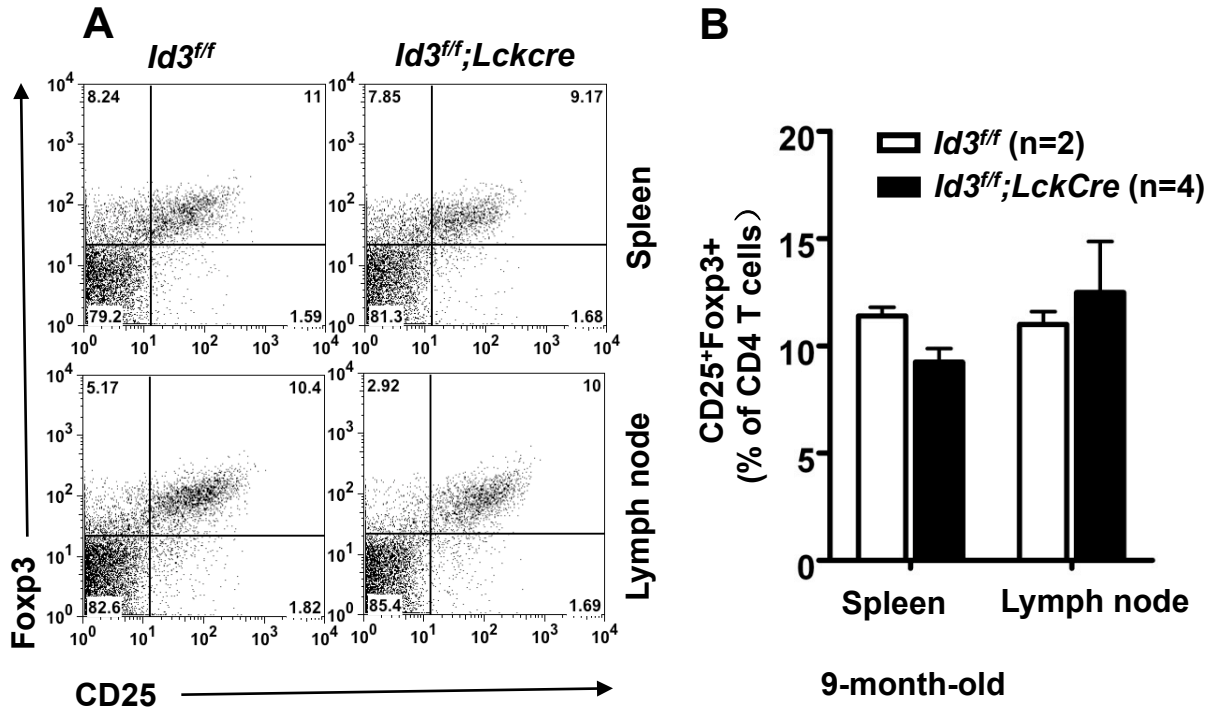



**Figure S2. FACS analysis of Treg (CD25+Foxp3+) cells in 9-month old *Id3$^{f/f}$;LckCre* mice and *Id3$^{f/f}$* controls. (A) Representative FACS plot of Treg cells among gated CD4 T cells in the spleen (upper panel) and lymph node (bottom panel). (B) Statistical analysis of the ratio of Treg cells in total CD4 T cells. The graphed results were means with SEM. The significance was analyzed by two-tail unpaired student's t test. P=0.09 for spleen and p=0.70 for lymph node.**