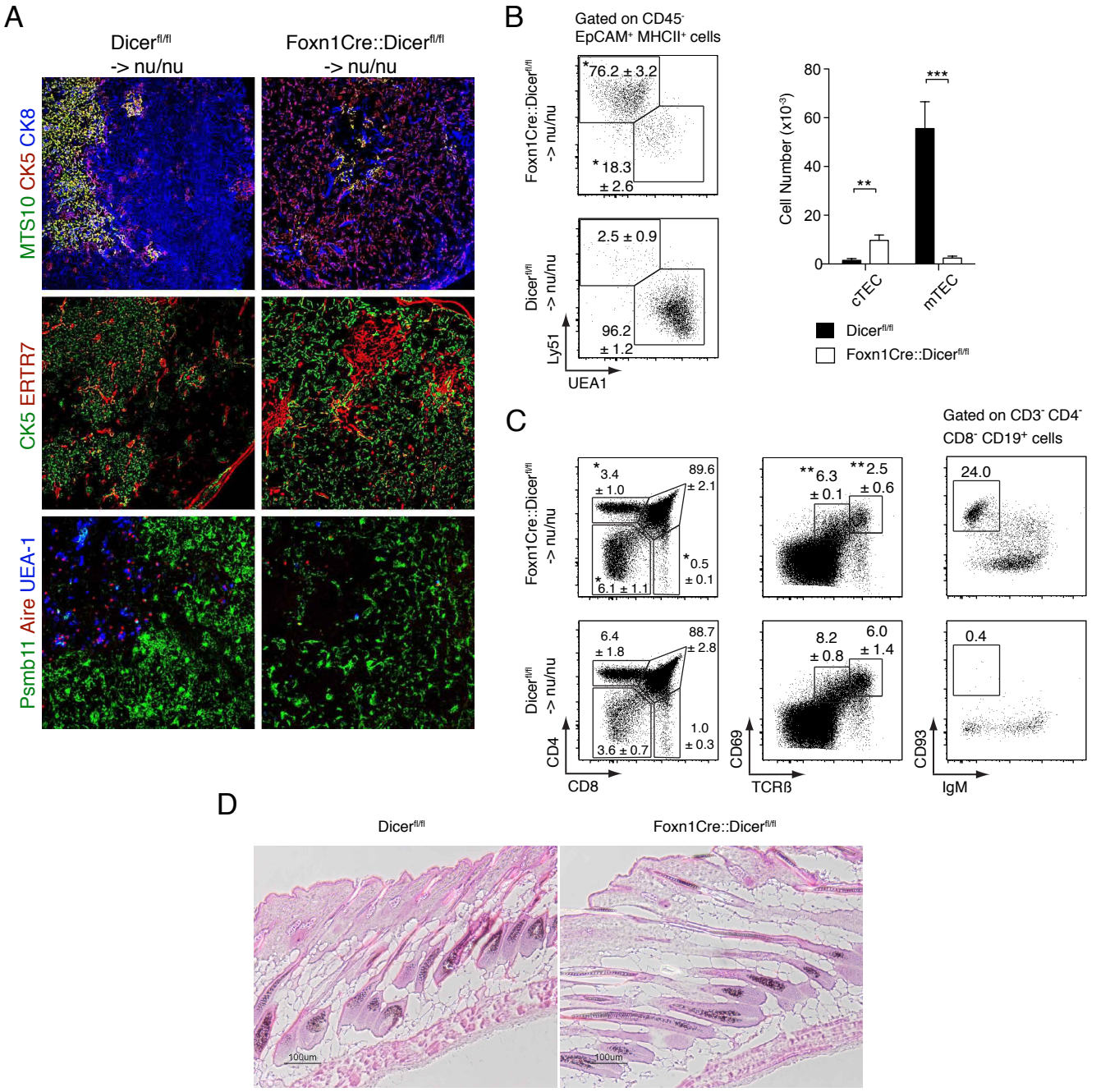

Supplemental Figure 3. TEC phenotype of Foxn1-Cre::Dicer$^{fl/fl}$ mice is uneffected by Cre-mediated recombination in keratinocytes. Fetal thymic lobes from E15.5 Dicer$^{fl/fl}$ or Foxn1-Cre::Dicer$^{fl/fl}$ embryos were transplanted under the kidney capsule of nu/nu recipients and grafts were analyzed 4 weeks later. (A) Immunofluorescence analysis of thymic tissue sections using antibodies specific for ERTR7 to identify fibroblasts; for CK8 and Psmb11 to detect cTEC; and for MTS10, CK5, and Aire as well as reactivity to UEA-1 to recognize mTEC. Data are representative of three separate experiments with at least two mice each. (B) Flow cytometric analysis of TEC (CD45-EpCAM+MHCII+) subpopulations isolated from thymic tissue grown under the kdney capsule of a nu/nu recipient mice. The relative frequency (left panels) and absolute cell numbers (right graph) of cTEC (UEA-1-Ly51+) and mTEC (UEA-1+Ly51-) from Dicer$^{fl/fl}$ (black bars) and Foxn1-Cre::Dicer$^{fl/fl}$ (white bars) of the indicated grafts are shown. Data show the mean ± SD of at least 3 mice per group; *denotes $p<0.05$; ** $p<0.01$; *** $p<0.001$. Data are representative of three independent experiments. (C) Flow cytometric analysis of lymphopoiesis in the grafts using surface markers CD4 and CD8 for T lineage development (left panels), markers for thymocyte positive selection CD69 and TCRbeta (middle panels) and .the expression of CD93 and IgM to identify B cell maturation in situ. The relative frequencies of the respective populations for Dicer$^{fl/fl}$ (lower panels) and Foxn1-Cre::Dicer$^{fl/fl}$ grafts (upper panels) are shown. Data indicate the mean ± SD of at least 3 mice per group; *denotes $p<0.05$; ** $p<0.01$. Data are representative of three independent experiments. (D) Hematoxilin and eosin (HE) staining of skin sections from 3 week old Dicer$^{fl/fl}$ or Foxn1-Cre::Dicer$^{fl/fl}$ mice.