

Supplementary Figure 1. *Epidermal LC express the AhR*

RNA from epidermal cells, LC sorted to > 95% purity from back skin, thymus and liver was prepared and RT-PCR was performed. Shown is the expression level relative to liver, a tissue known to express AhR highly and robustly.

Supplementary Figure 2. *Expression of MHC-II on LC from AhR^{-/-} and WT mice*

LC were isolated from ear epidermal skin, and cultured for 1 hour together with dextran beads to induce maturation. Cells were isolated and stained for MHC-II. Percentage of MHC-II positive cells was determined after live gating by scatter characteristics. Each dot shows the mean fluorescence index determined for LC from an individual mouse. Means for both groups (10 mice each) do not differ significantly; mean MFI for C57BL/6 = 1380 ± 148.0 ; and for AhR^{-/-} wild type 1672 ± 194.1

Supplementary Figure 3.

WT or AhR^{-/-} mice were sensitized and challenged with FITC in a standard protocol for contact hypersensitivity. The absolute number of FITC+/MHC-II cells was determined in the draining lymph nodes 24 h after challenge. DC and LC were differentiated by CD24 expression as described (Stutte et al., J. Invest. Dermatol. (2008) Vol. 128:1470; ref # 64).





