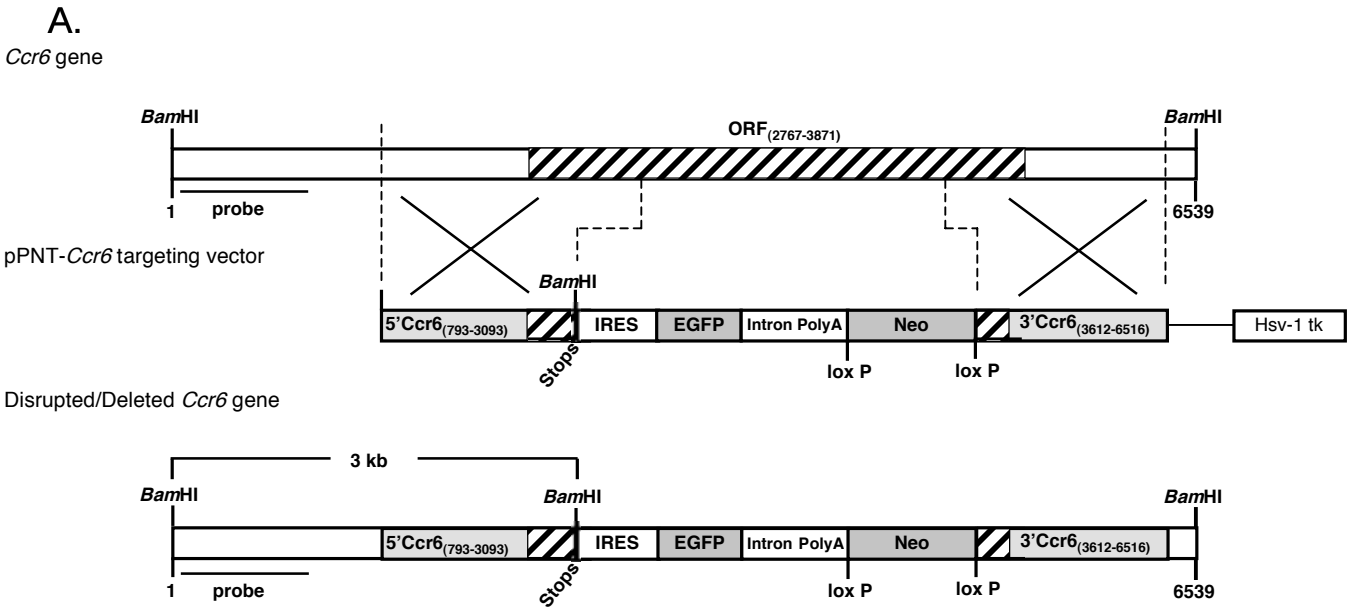
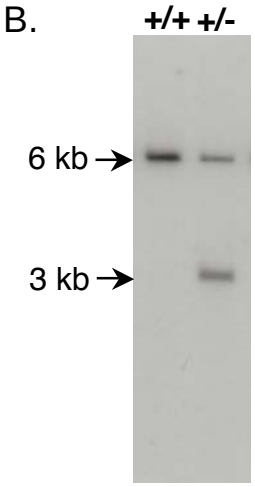
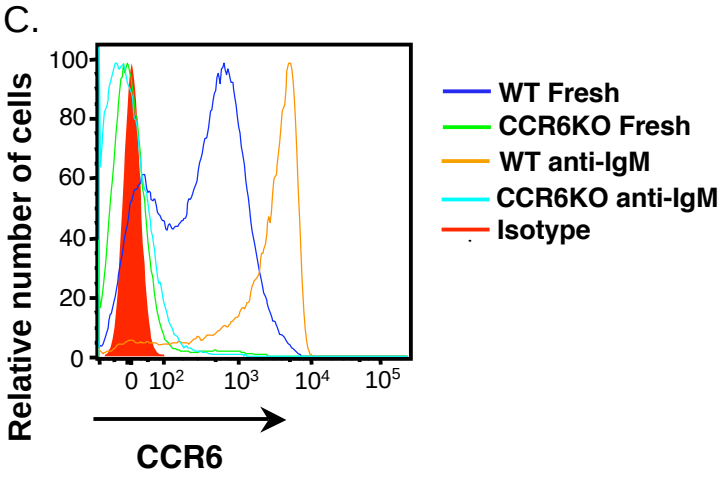
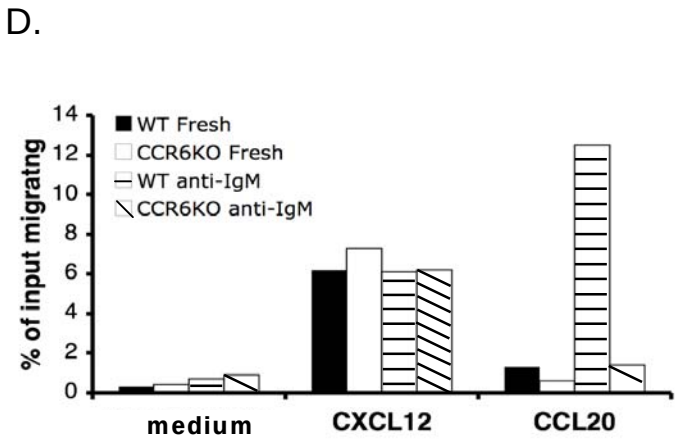








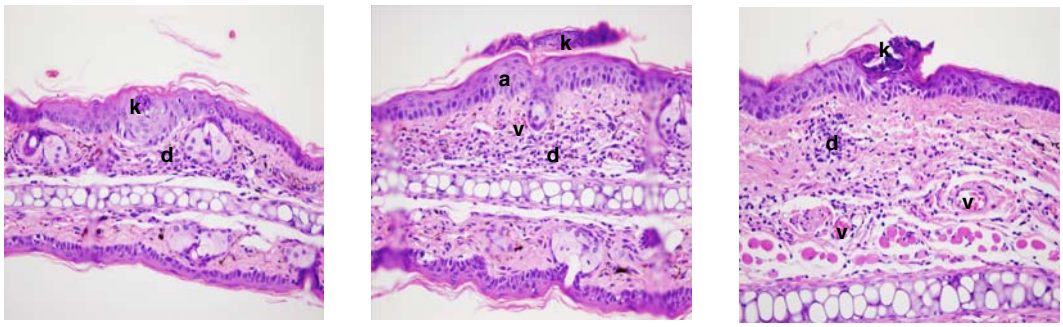
Supplemental Figure 1

Supplemental Figure 1

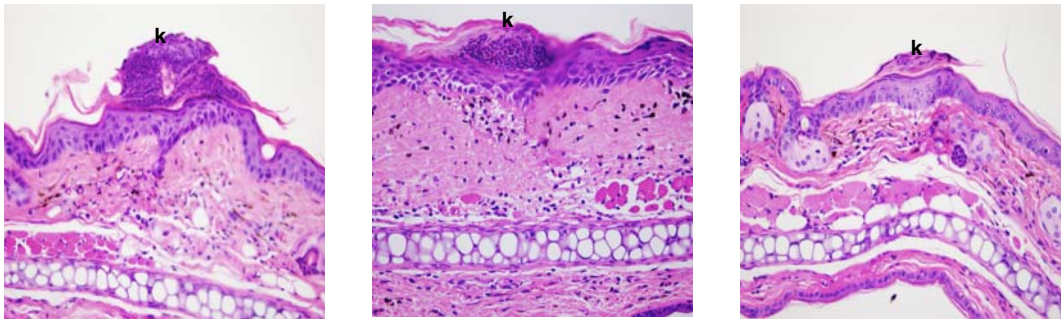
Development of CCR6-deficient mice. (A) Targeting strategy. Schematic representation of the *Ccr6* gene corresponding to positions 73,2125-73,8664 in GenBank record NT_039638 (and shown with numbering 1-6539 for this *Bam*HI fragment, top panel), the pPNT-*Ccr6* targeting vector (middle panel), and the disrupted/deleted *Ccr6* gene (bottom panel). Hatched regions on the diagrams indicate the predicted ORF for *Ccr6*. Positions 3094-3611 in the ORF were deleted in targeted allele and a *Bam*HI site was introduced at the 3' end of the 5' *Ccr6* fragment. The location of the 5' probe used for analyzing DNA for the presence of the disrupted/deleted *Ccr6* allele is indicated ("probe"). **(B)** A representative Southern blot from either a WT (+/+) or heterozygous (+/-) colony of ES cells. DNAs from the ES cells were digested with *Bam*HI, and probed with the 5'-radiolabeled probe indicated in (**A)**. *Bam*HI digestion of the WT and successfully targeted alleles yielded fragments of approximately 6 kb and 3 kb, respectively. Data are representative of 220 individual ES cell lines analyzed after transfection with pPNT-*Ccr6*. **(C)** CCR6 expression analyzed by flow cytometry on B cells from WT or CCR6KO mice. B cells were either used immediately after isolation from spleens ("Fresh") or after stimulating with 10 μg/ml goat anti-mouse IgM $F(ab')_2$ for 48 hours ("Anti-IgM"). Data are from one of two experiments. GFP was detectable in the anti-IgM-activated B cells, but not in other cells such as T cells or dendritic cells (data not shown), possibly due to low levels of IRES-initiated translation. As a result, GFP expression was not routinely analyzed in the experiments that follow. **(D)** Mouse B cells treated as in **(C)** were used in Transwell chemotaxis assays with either medium

alone or medium containing 1 μg/ml of either CXCL12 or CCL20 in the lower wells. Bars show means from duplicate wells from one of two experiments

A.



B.



Supplemental Figure 2

Supplemental Figure 2

Intracorneal neutrophilic microabscesses in WT and RAG-1KO mice injected with IL-23. H&E-stained sections of IL-23-injected ears from WT **(A)** and RAG-1KO **(B)** mice at Day 5. (k), intracorneal neutrophilic pustules with hyper-parakeratosis, (a), acanthosis, (d), dermal mononuclear cell infiltrate, and (v), telangiectasia of dermal blood vessels. Original magnification, 400x. Sections are representative of two experiments.