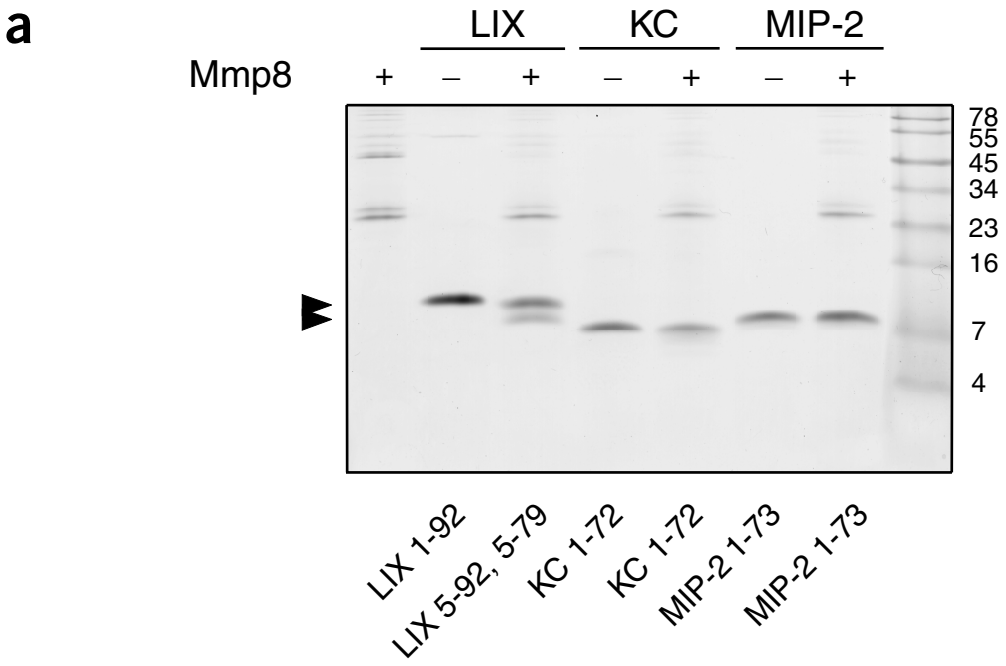
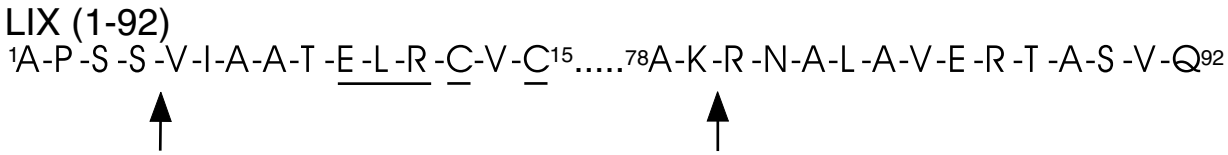
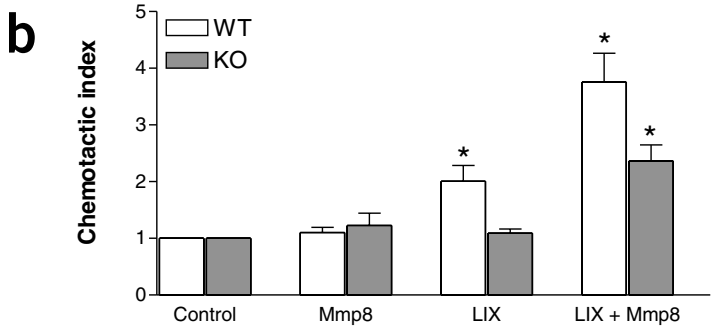
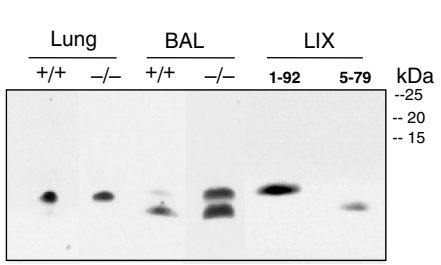


	Mass (Da) Measured	Predicted	N-terminal amino acid sequence
LIX 1-92	9,851	9,852.8	A-P-S-S-V-I
LIX 5-92	9,512	9,510.4	V-I-A-A-T-E
LIX 5-79	8,111	8,113.8	V-I-A-A-T-E
KC 1-72	8,041	8,042.5	A-P-I-A-N-E
MIP-2 1-73	7,848	7,849.2	n.d.







Supplementary Figure 1. Mmp8 processing of murine CXC chemokines**. a,** Chemokines (1 μg) were incubated with Mmp8 (200 ng) at 37°C for 16 h and the products were visualized by Tris-Tricine gel analysis. The processed forms of LIX are indicated by the *arrow heads*. Molecular weights of the chemokines were determined by electrospray ionization mass spectrometry. The cleaved scissile bonds of LIX identified by Edman N-terminal sequencing are indicated by *arrows*. The NH_2-terminal ELR and CXC motifs are underlined. **b,** Chemotactic activity of wild-type *vs* *Mmp8*$^{-/-}$ neutrophils in response to LIX. Peripheral white blood cells from wild-type mice (*white bars*) and *Mmp8*$^{-/-}$ (*black bars*) were placed in the upper wells of migration chambers. LIX (500 ng/ml), LIX pretreated for 3 h at 37ºC with rodent Mmp8 (500 and 50 ng/ml respectively) or Mmp8 alone (50 ng/ml) were placed in the lower wells. Chemotactic index values (± s.e.m.) are derived from six independent experiments (in triplicated wells). Statistical analyses were performed with the Mann-Whitney *U* test. * represents $p < 0.05$ LIX-treated *vs* control. **c**, Protein extracts from lungs and bronchoalveolar lavage (BAL) fluid of mice treated with LPS for 16 h (n=3 mice per genotype) were analyzed by Western-blot with antibodies against murine LIX. Synthetic polypeptides corresponding to full-length (1-92) and processed (5-79) forms of LIX were used as controls (1 ng / well).