Supplemental Table S1. Sequences for primers and oligonucleotides used in the study.

Gene		Primer Sequence	Tm (°C)	Amplicon Size (bp)
Il25	F	5'-TGCTAGAGGATGCTGTTGTG-3'	54.7	88
	R	5'-GGAAAGGAGCCAGGAGTATG-3'	54.9	
Il33	F	5'-TGCCTCCCTGAGTACATACA-3'	55.0	106
	R	5'-CTGGTCTTGCTCTTGGTCTTT-3'	55.0	
Tslp	F	5'-AGAGGACCACTGGTGTTTATTC-3'	54.4	112
	R	5'-ACGGTCTATTGCTCATTTCCC-3'	54.9	
Rela (NF-κB/p65)	F	5'-AGGCTTCTGGGCCTTATGTG-3'	61.6	111
	R	5'-TGCTTCTCTCGCCAGGAATAC-3'	61.6	
Ccl11 (eotaxin)	F	5'-CACTAACCCAGAGCCTAAGAAC-3'	54.9	128
	R	5'-CATAATGACTTCCAGTCCCATCT-3'	54.2	
Muc5ac	F	5'-CAGGACTCTCTGAAATCGTACCA-3'	61.1	129
	R	5'-GAAGGCTCGTACCACAGGG-3'	61.7	
Gapdh	F	5'-GGACGCATTGGTCGTCTGG-3'	63.0	204
	R	5'-TTTGCACTGGTACGTGTTGAT-3'	60.2	
Muc5ac PPRE1	F	5'-GTGCTCAGAACAGCCTTGA-3'	55.1	92
	R	5'-GAATGGCAGGAAAGGGAGAG-3'	55.4	
Muc5ac PPRE2	F	5'-CTTGGCCCAGCCTCAG-3'	63.0	251
	R	5'-GGCATAGGGAAGGGCTTGA-3'	64.0	
Actb (β-Actin)	Cat # 13653, Cell Signaling Technology			

Element	Oligonucleotide sequence
MUC5AC PPRE1	5′-ACTCAGACAGGACAAAGGGCCCGGTATGGA-3′
MUC5AC PPRE2	5′-ACTCAGACTGTTCAGAGGTCACGGTATGGA-3′
MUC5AC PPRE1 Mu	5′-ACTCAGACAGACTAAAGGGCCCGGTATGGA-3′
MUC5AC PPRE2 Mu	5′-ACTCAGACCAGGGTGAGGTCACGGTATGGA-3′
MUC5AC PPRE	5′-ACTCAGACAAGTCAGAGGCCACGGTATGGA-3′
Non Specific Oligo	5′-ACTCAGACTGGGGCTGGAGTGCGGTATGGA-3′

Supplemental Figures:

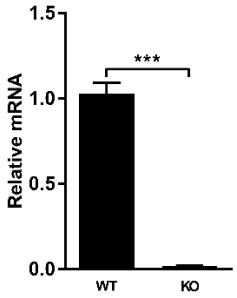

FIGURE S1. AEC-PPARγ knockout. AECs were collected from lung sections using laser capture microdissection, as described in *Materials and Methods*. PPARγ mRNA levels were measured by real-time RT-PCR. The data are expressed as the mean ± SD with $n = 3$ mice/group; ***$P < 0.001$.