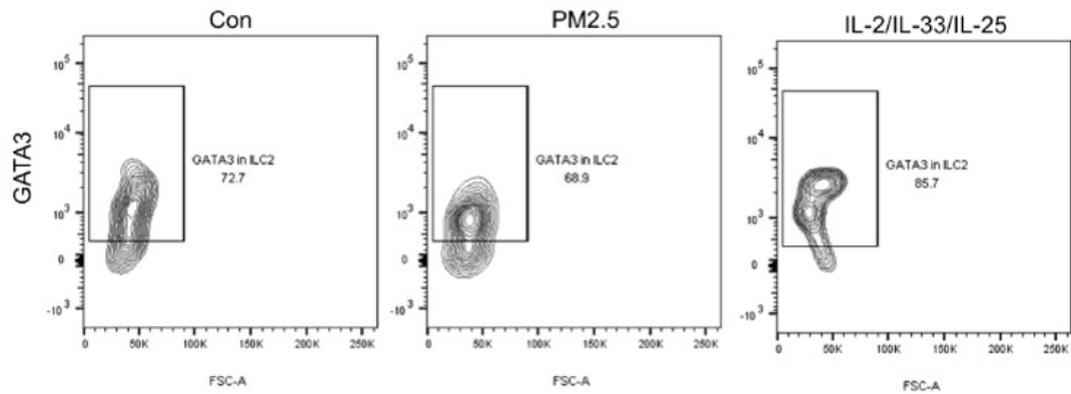
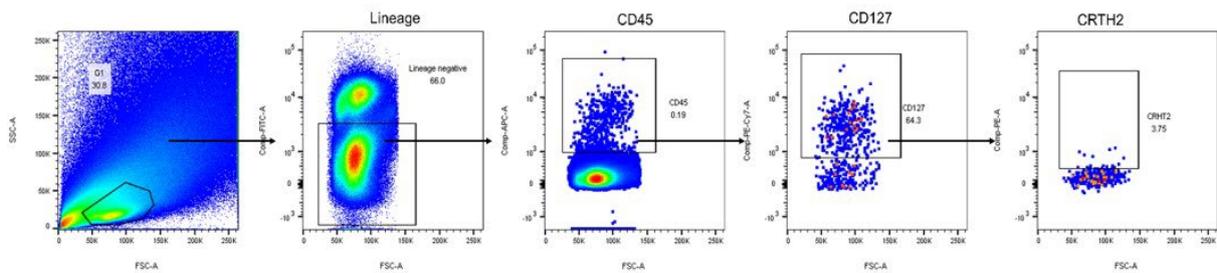


Supplementary Materials

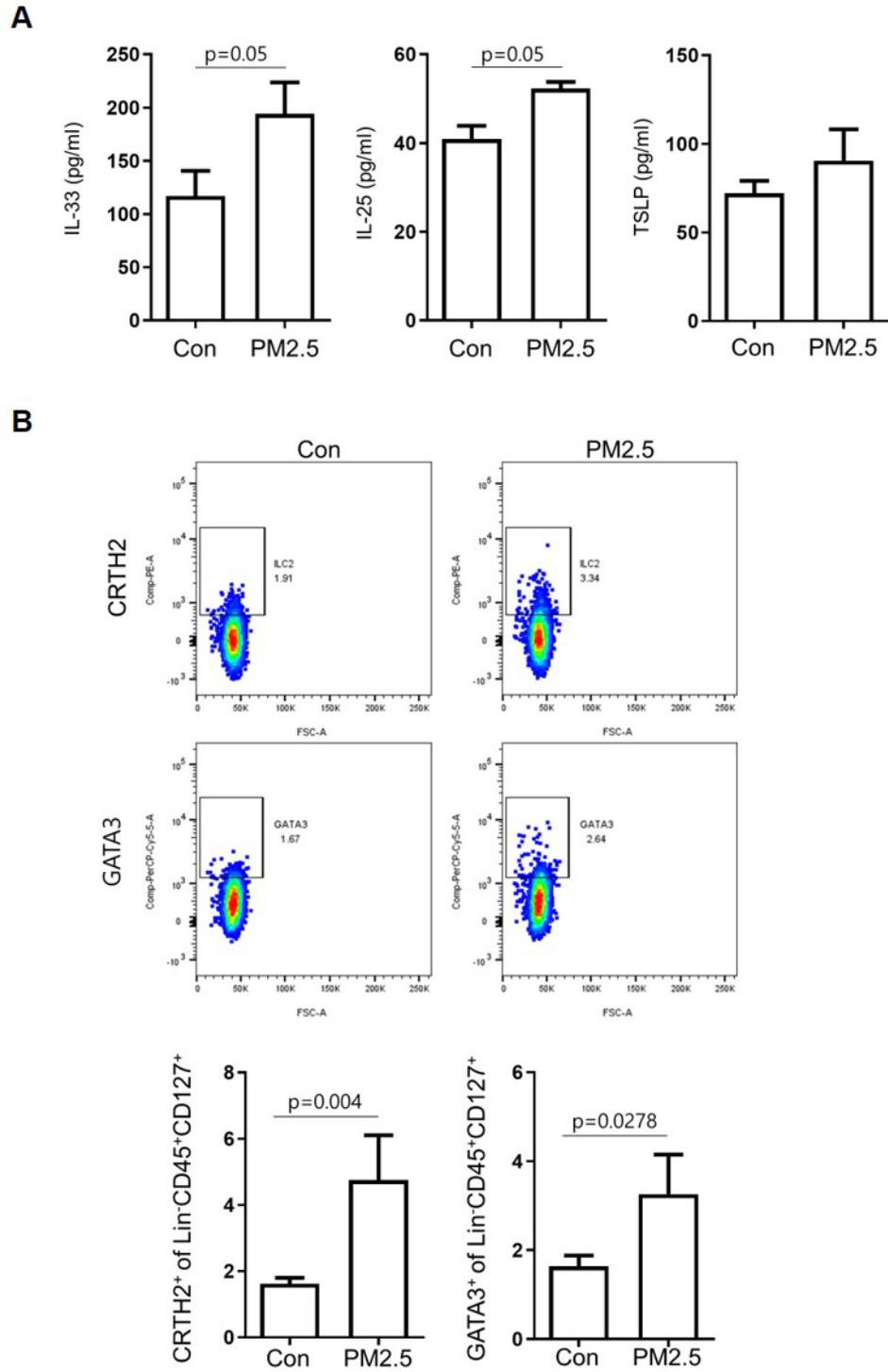
In gate of Lin⁻CD45⁺CD127⁺CRTH2⁺



Supplementary Figure 1. Analysis of GATA 3 expression in CD45⁺Lin⁻CD127⁺CRTH2⁺ for ILC2s: Con = control.



Supplementary Figure 2. Gating strategies of flow cytometric analysis of ILC2s in the nasal tissue



Supplementary Figure 3. Response of human nasal tissue by stimulation with PM2.5: Con = control. Statistical significance was determined using Mann–Whitney U test.

Table S1. Primers for real-time PCR.

Genes	Forward 5'→3'	Reverse 5' →3'
mouse GAPDH	CGTCCCGTAGACAAAATGGT	TTGATGGCAACAATCTCCAC
mouse TNF- α	GGCAGGTCTACTTTGGAGTCA	CACTGTCCCAGCCATCTTG TG
mouse IFN-g	AAAGAGATAATCTGGCTCTGC	GCTCTGAGACAATGAACGCT
mouse IL-4	ACAGGAGAAGGGACGCCAT	GAAGCCCTACAGACGAGCTCA
mouse IL-6	GAGGATACTACTCCCAACAGACC	AGTGCATCATCGTTGTTTCATACA
mouse IL-10	CACAAAGCAGCCTTGCAGAA	AGAGCAGGCAGCATAGCAGTG
mouse IL-17a	GCTCCAGAAGGCCCTCAGA	CTTCCCTCCGCATTGACA
human β -actin	GGC CAT CTC TTG CTC GAA GT	GTG CTA TCC CTG TAC GCC TC
human IFN-g	TGCTCTCCTGTTGTGCTTCTCCAC	ATAGATGGTCAATGCGGCGTCC
human TNF- α	TGTAGCCCATGTTGTAGCAAACC	GAGGACCTGGGAG- TAGATGAGGTA
human IL-4	CCGAGTTGACCGTAACAGACAT	GTCCTTCTCATGGTGGCTGTAG
human IL-5	CAGGGAATAGGCACACTGGAG	GCACAGCCAGGACAAATATAGC
human IL-6	AATTCGGTACATCCTCGACGG	GGTTGTTTTCTGCCAGTGCC
human IL-13	CAAGGTCTCAGCTGGGGTAA	GGATATTCAGCCAGCTTCCCTT
human IL-25	CCAGGTGGTTGCATTCTTGG	TGGCTGTAGGTGTGGGTCC
human IL-33	ACAGAATACTGAAAAATGAAGCC	CTTCTCCAGTGGTAGCATTTG
human TSLP	GGGCTGGTGTTAACTTAC- GACTTCA	TGAGTGGGACCAAAAAGTAC- CGAGT