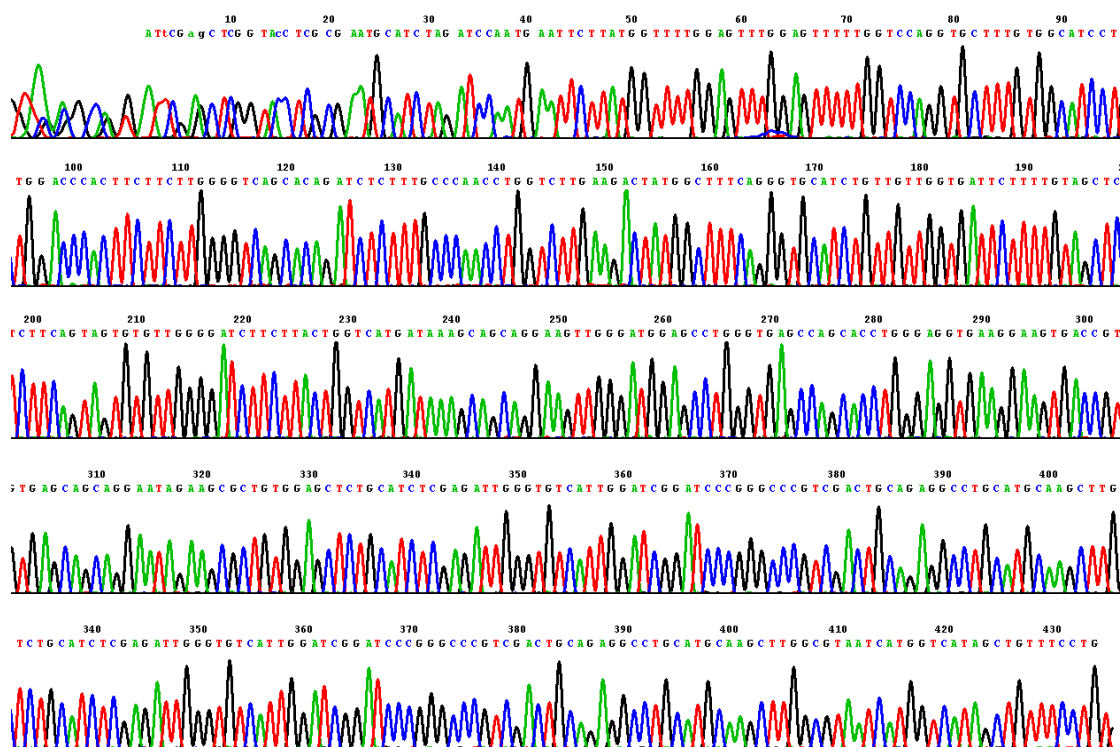
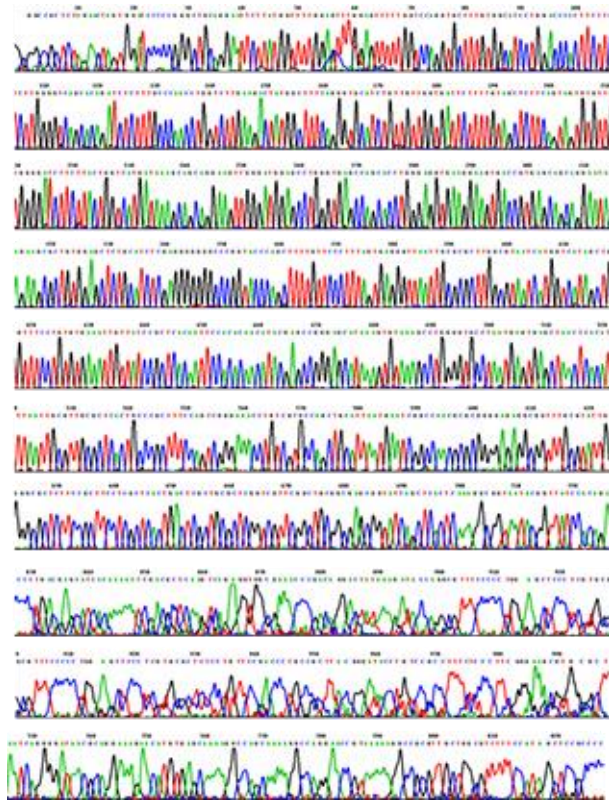


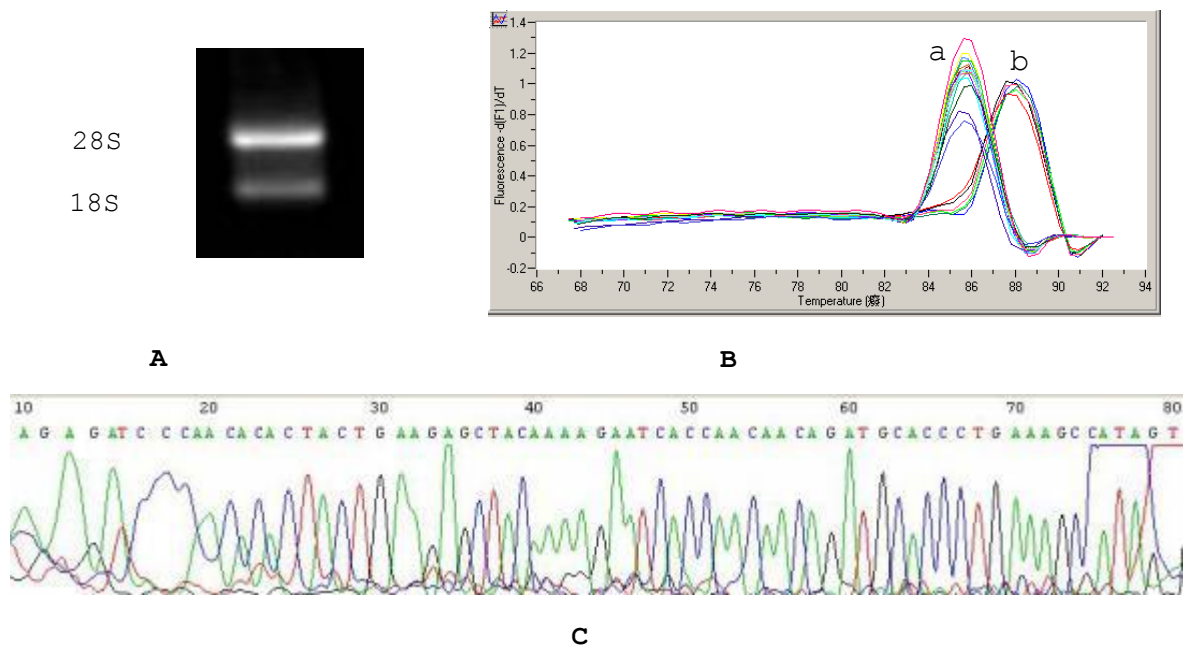
Supplementary Figure S1. Blood cell counts in mouse ACD model ($n = 6$).
◆ Eos ($\times 10^7/l$); ▲ Lym ($\times 10^9/l$); ■ Neu ($\times 10^9/l$); × Mon ($\times 10^7/l$)



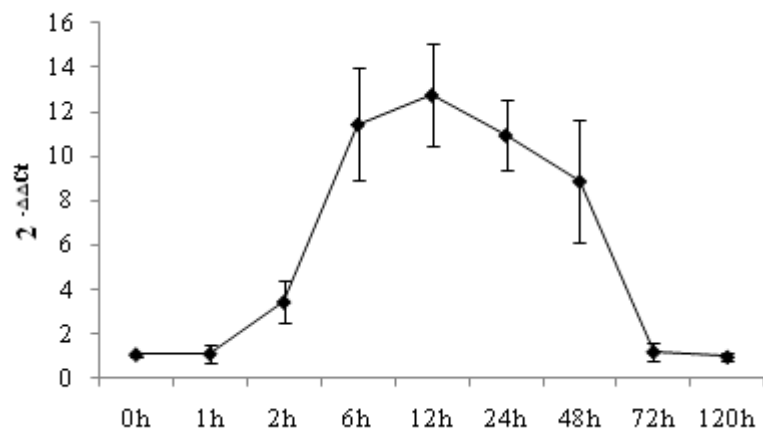
Supplementary Figure S2. pUC57-eotaxi Plasmid sequencing



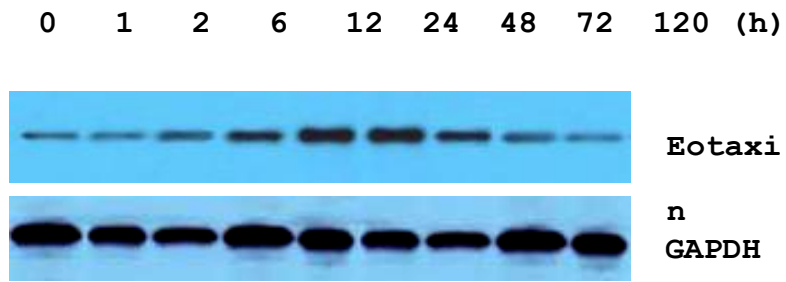
Supplementary Figure S3. PBS-eotaxin plasmid sequencing



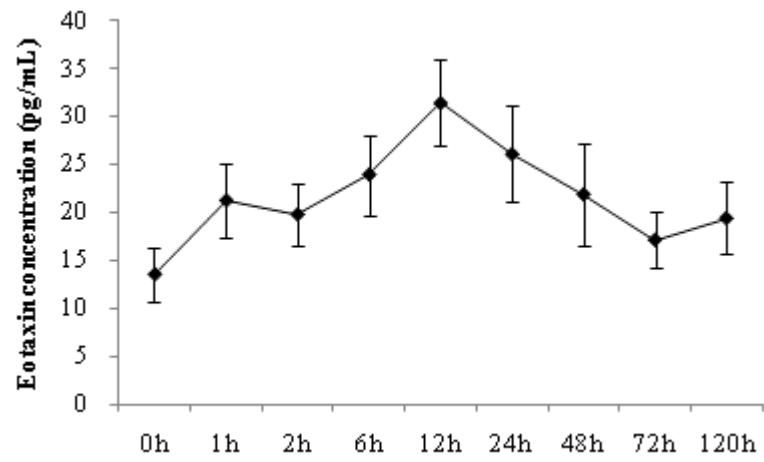
Supplementary Figure S4. Real-time PCR quality control. **A** – Total RNA electrophoresis, **B** – dissociation curve, **C** – sequencing of eotaxin PCR products, a – eotaxin, b – GAPDH



Supplementary Figure S5. Time course of eotaxin mRNA expression in mouse ACD model ($n = 6$)

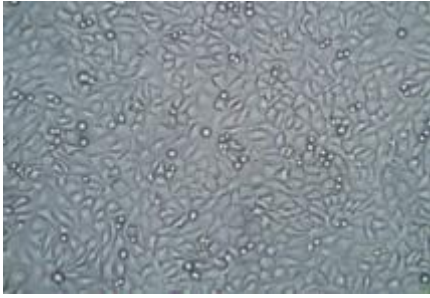


Supplementary Figure S6. Eotaxin secretion in mouse ACD model detected by western-blotting method



Supplementary Figure S7. Eotaxin concentration in serum of mouse ACD model
(*n* = 6)

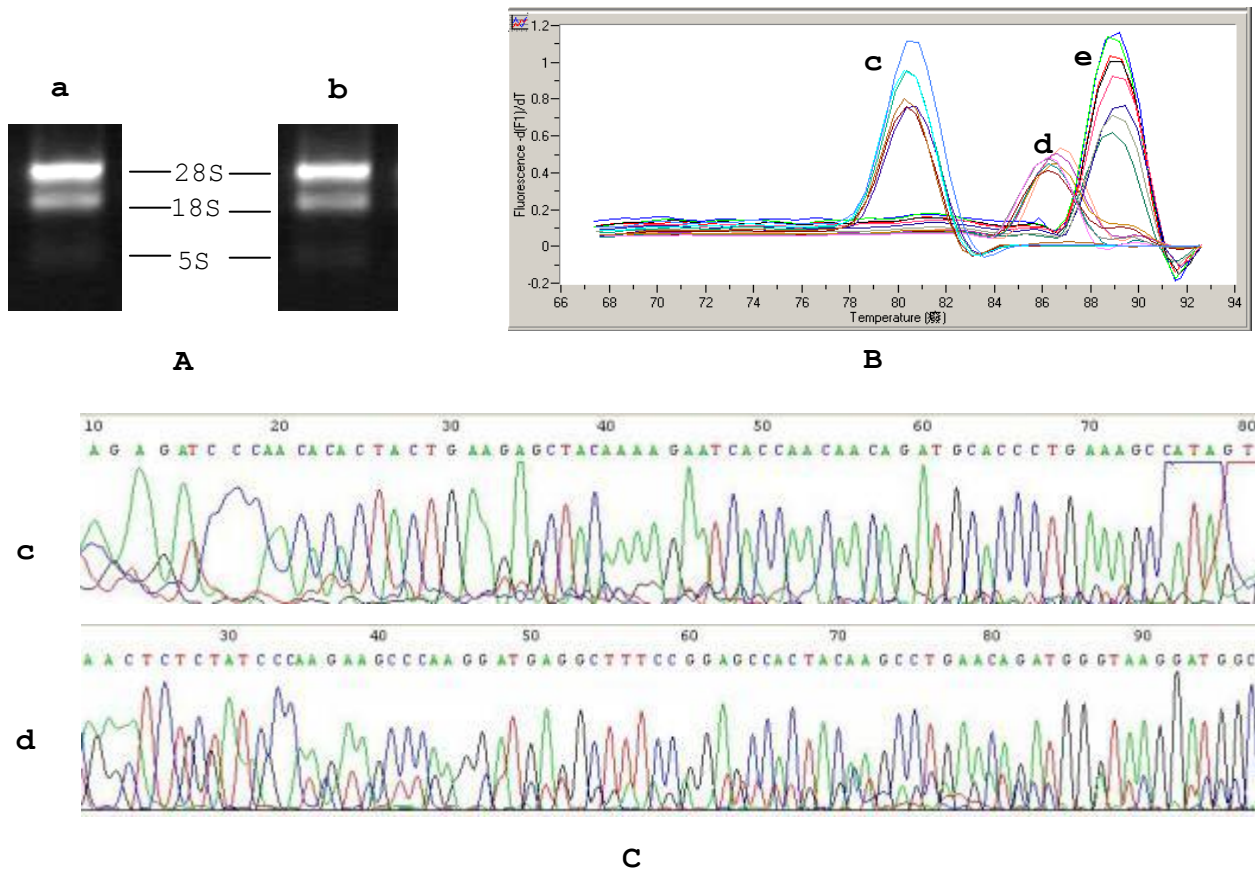
A



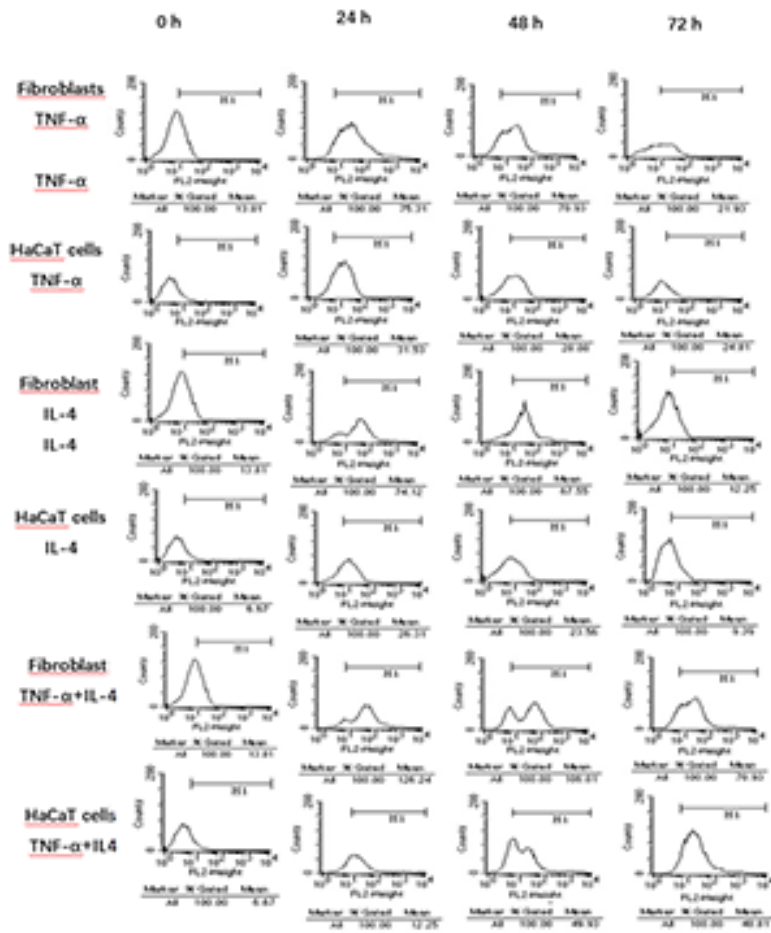
B



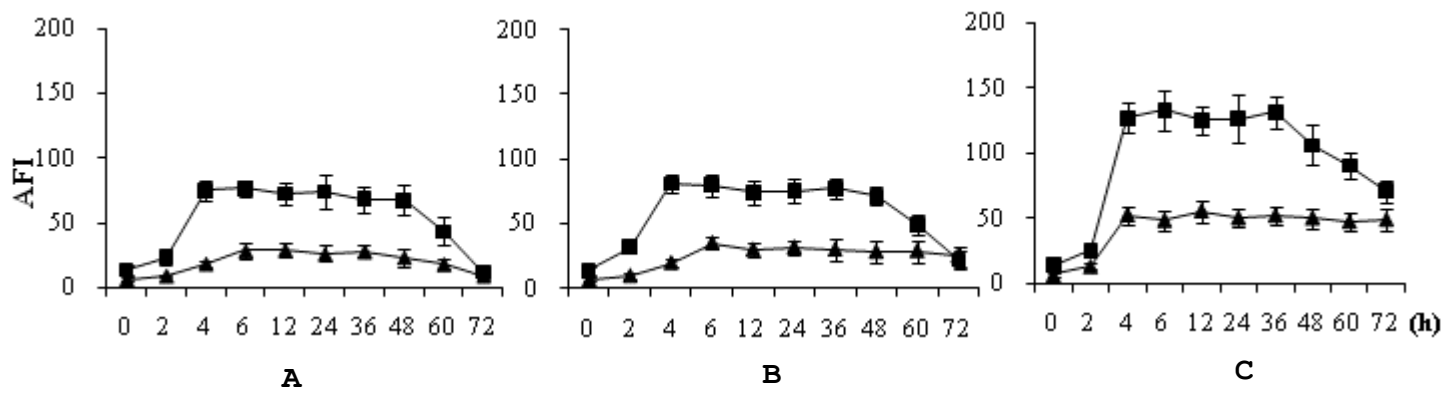
Supplementary Figure S8. Confluent cells under phase-contrast microscope (40×). **A** – HaCaT cells, **B** – FBs



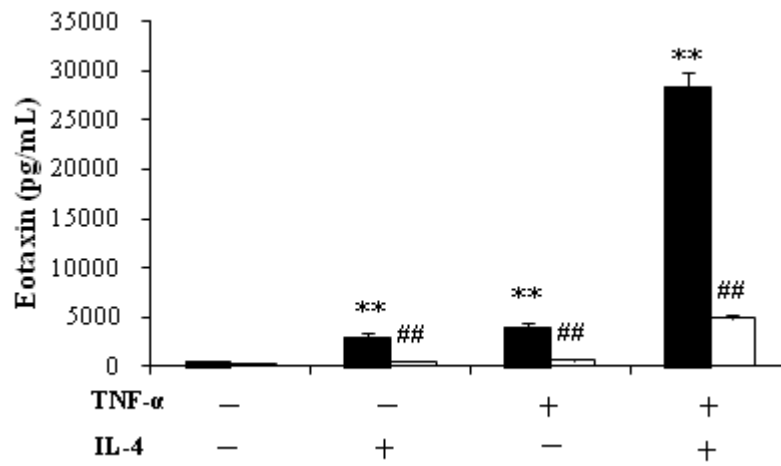
Supplementary Figure S9. Real-time PCR quality control. **A** – Total RNA electrophoresis, **B** – dissociation curve, **C** – sequencing of PCR products; a – HaCaT cells, b – FBs, c – Eotaxin, d – STAT6, e – GAPDH



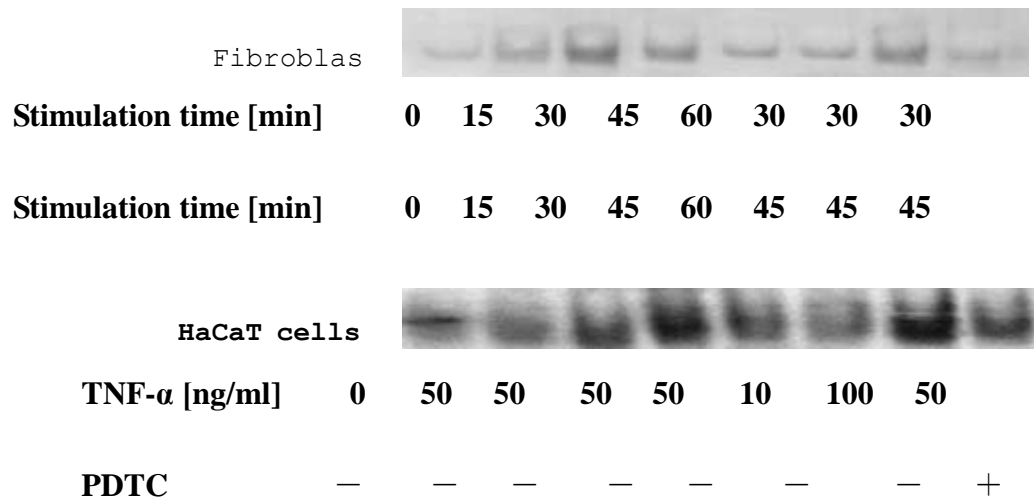
Supplementary Figure S10. Eotaxin secretion in FBs and HaCaT cells induced by TNF- α and/or IL-4



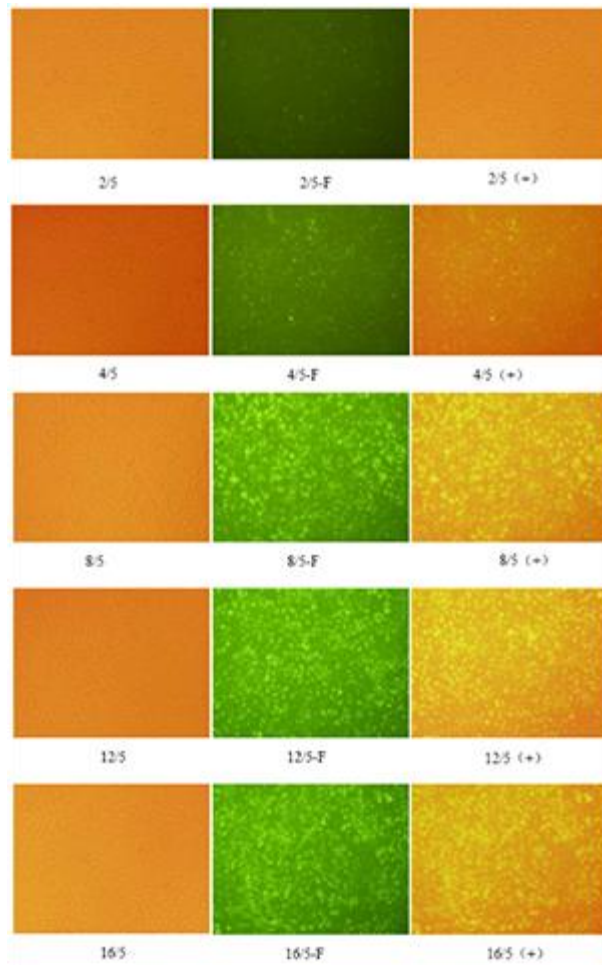
Supplementary Figure S11. Eotaxin expression time kinetics induced by TNF- α and/or IL-4 in HaCaT cells and FBs detected by FCM ($n = 6$). **A** – TNF- α , **B** – IL-4, **C** – TNF- α + IL-4; ■ FBs, ▲ HaCaT cells



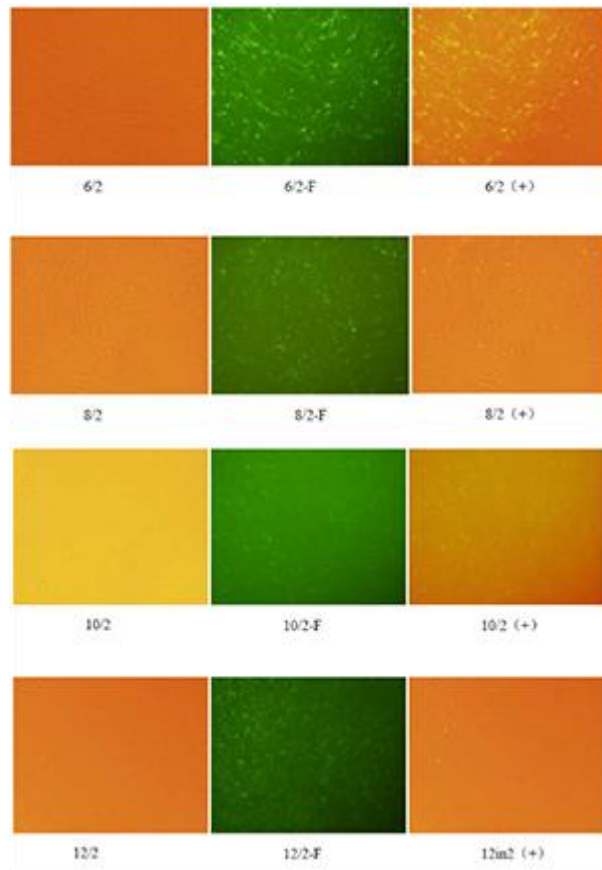
Supplementary Figure S12. Synergistic effect of TNF- α and IL-4 in inducing eotaxin secretion in two skin cells ($n = 6$). ■ FBs, □ HaCaT cells; ** $p < 0.01$, vs. FBs control group, ## $p < 0.01$, vs. HaCaT cells control group



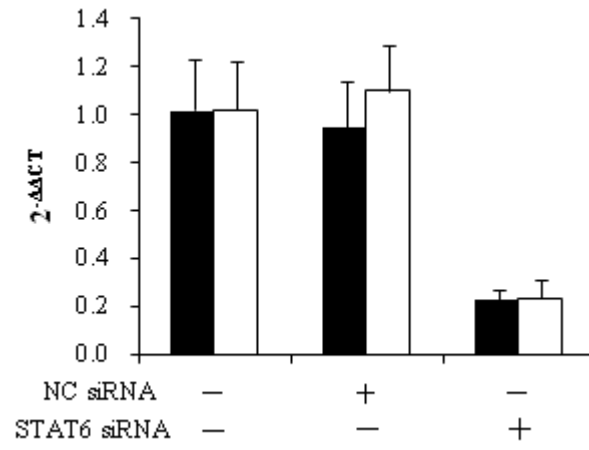
Supplementary Figure S13. Dynamic process of NF- κ B transcription regulated by TNF- α



Supplementary Figure S14. siRNA transfection efficiency test in HaCaT cells

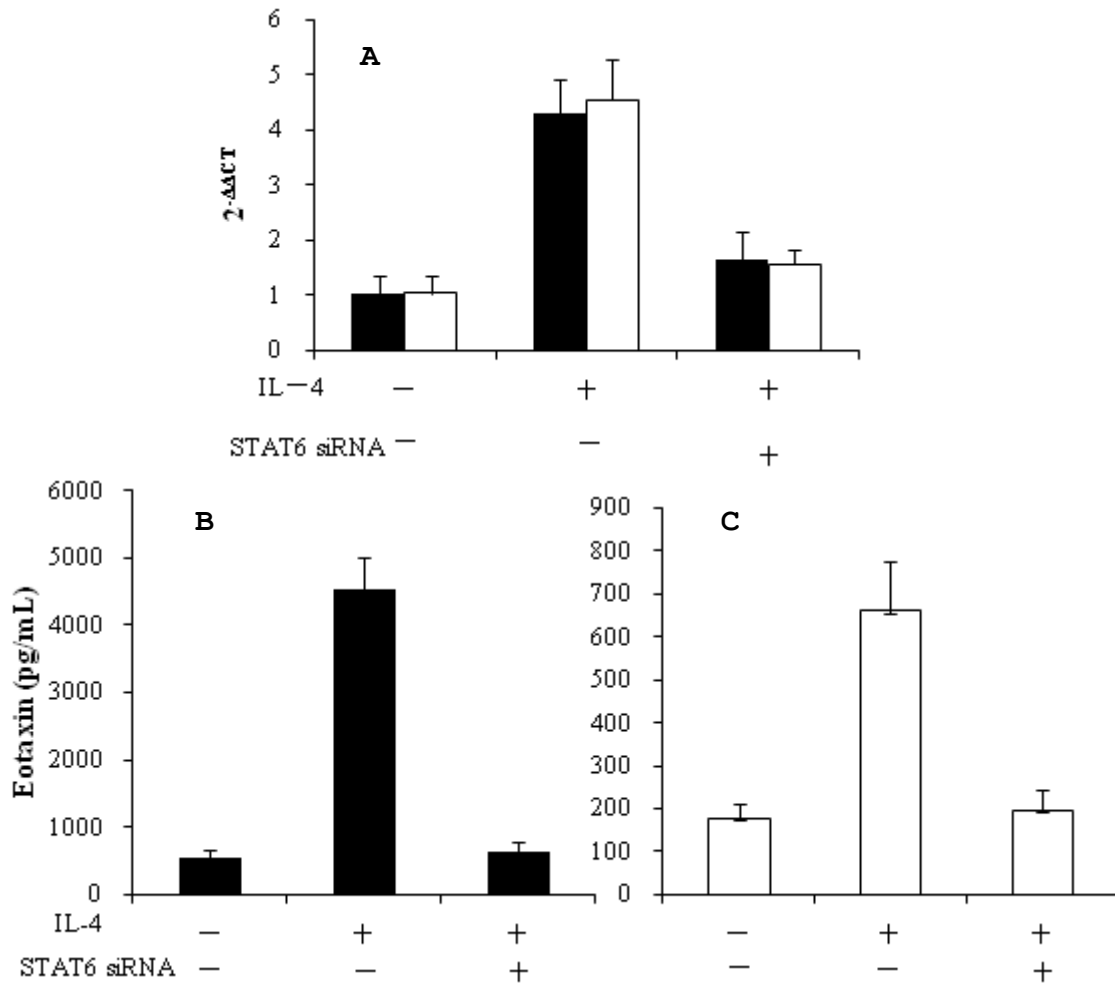


Supplementary Figure S15. siRNA transfection efficiency test in FBs



Supplementary Figure S16. Knock down efficiency of STAT6 specific siRNA.

$N = 6$. ■ FBs, □ HaCaT cells.



Supplementary Figure S17. The inhibitory effect of IL-4 inducing eotaxin generation by STAT6 siRNA in two skin cells. $N = 6$; A – Eotaxin mRNA expression, B – eotaxin secretion; ■ FBs, □ HaCaT cells