

## Anti-IL-13RA1 Antibody-PE (9F921)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	PE
Clone:	9F921
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of anti-human IL13RA1 (CD213a1) on human whole blood granulocytes. Human granulocytes were stained with PE-anti human IL13RA1 (CD213a1) (solid line) or PE-rabbit isotype control (dashed line).
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human IL-13RA1 / CD213a1 protein (TMPY-01258)
Antigen Species:	Human
Synonyms:	NR4;CD213A1;interleukin 13 receptor, alpha 1;interleukin 13 receptor, α1;IL-13Ra

## Research Background

Interleukin 13 receptor, alpha 1, also known as IL13RA1/IL-13RA1 and CD213A1 (cluster of differentiation 213A1), is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. IL13RA1/IL-13RA1 serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2 and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3, and STAT6 induced by IL13 and IL4. IL13RA1/IL-13RA1 binds with low affinity to interleukin-13 (IL13). This subunit together with IL4RA can form a functional receptor for IL13. IL13RA1/IL-13RA1 also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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