

Anti-IL-13 Reference Antibody (IMA-026)
Recombinant Antibody
Catalog # APR10511**Specification**

Anti-IL-13 Reference Antibody (IMA-026) - Product Information

| | |
|-------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | P35225 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 146.88 KDa |

Anti-IL-13 Reference Antibody (IMA-026) - Additional Information**Target/Specificity**
IL-13

Endotoxin
< 0.001EU/ µg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-IL-13 Reference Antibody (IMA-026) - Protein Information

Name IL13

Synonyms NC30

Function
Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:8096327, PubMed:8097324). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:8096327). Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (PubMed:7903680, PubMed:8759755). Plays an important role in controlling IL33 activity by modulating the production of transmembrane and soluble forms of interleukin-1 receptor-like 1/IL1RL1 (By similarity). Displays the capacity to

antagonize Th1-driven proinflammatory immune response and downregulates synthesis of many proinflammatory cytokines including IL1, IL6, IL10, IL12 and TNF-alpha through a mechanism that partially involves suppression of NF-kappa-B (By similarity). Also functions on nonhematopoietic cells, including endothelial cells where it induces vascular cell adhesion protein 1/VCAM1, which is important in the recruitment of eosinophils (PubMed:8639787). Exerts its biological effects through its receptors which comprises the IL4R chain and the IL13RA1 chain, to activate JAK1 and TYK2, leading to the activation of STAT6 (PubMed:9013879). Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:21622864).

Cellular Location

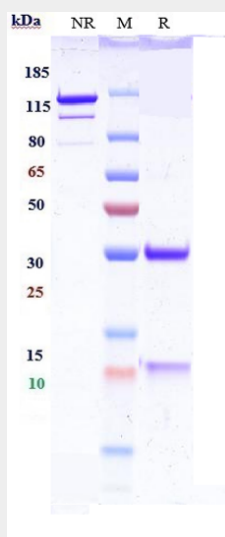
Secreted.

Anti-IL-13 Reference Antibody (IMA-026) - Protocols

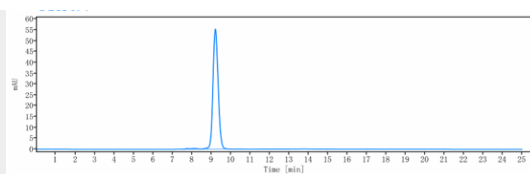
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL-13 Reference Antibody (IMA-026) - Images



Anti-IL-13 Reference Antibody (IMA-026) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IL-13 Reference Antibody (IMA-026) is more than 95% ,determined by SEC-HPLC.