

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

Recombinant Antibody  
Catalog # APR10511

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">P35225</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	15788

## Additional Information

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<b>Target/Specificity</b>	IL-13
<b>Endotoxin Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

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<b>Name</b>	IL13
<b>Synonyms</b>	NC30
<b>Function</b>	<p>Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:<a href="#">8096327</a>, PubMed:<a href="#">8097324</a>). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:<a href="#">8096327</a>). Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (PubMed:<a href="#">7903680</a>, PubMed:<a href="#">8759755</a>). 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:<a href="#">8639787</a>). 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:<a href="#">9013879</a>). Aside from IL13RA1,</p>

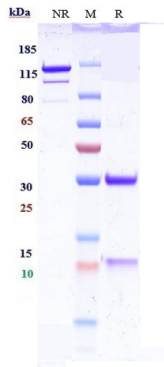
another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:[21622864](#)).

## Cellular Location

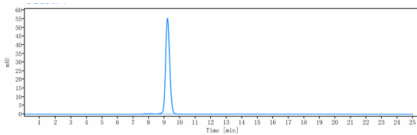
Secreted.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.