

**Anti-IL-13 Reference Antibody (dectrekumab)  
Recombinant Antibody  
Catalog # APR10686**

**Specification**

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**Anti-IL-13 Reference Antibody (dectrekumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P35225</a>
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-IL-13 Reference Antibody (dectrekumab) - 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.

**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-IL-13 Reference Antibody (dectrekumab) - Protein Information**

**Name** IL13

**Synonyms** NC30

**Function**  
Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>, PubMed:<a href="http://www.uniprot.org/citations/8097324" target="\_blank">8097324</a>). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>). Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>).

href="http://www.uniprot.org/citations/7903680" target="\_blank">7903680</a>, PubMed:<a href="http://www.uniprot.org/citations/8759755" target="\_blank">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). Functions also 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="http://www.uniprot.org/citations/8639787" target="\_blank">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="http://www.uniprot.org/citations/9013879" target="\_blank">9013879</a>). Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:<a href="http://www.uniprot.org/citations/21622864" target="\_blank">21622864</a>).

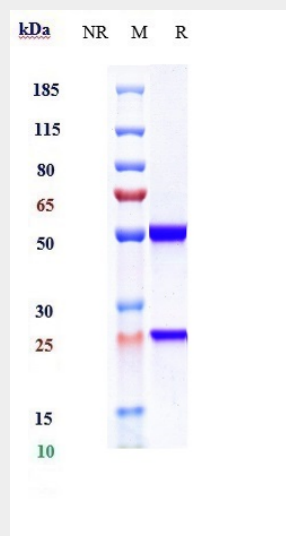
**Cellular Location**  
 Secreted.

### Anti-IL-13 Reference Antibody (dectrekumab) - Protocols

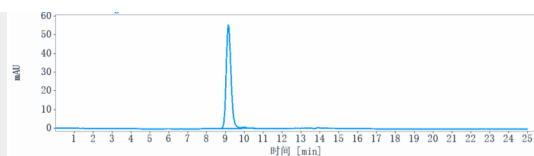
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-IL-13 Reference Antibody (dectrekumab) - Images



Anti-IL-13 Reference Antibody (dectrekumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



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