

IL-13 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11573**Specification**

IL-13 Antibody - Product Information

Application	WB, Neut
Primary Accession	P35225
Other Accession	AAA36107
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15788

IL-13 Antibody - Additional Information**Gene ID** 3596**Other Names**

IL-13, IL13, IL 13, Interluekin-13, Interluekin 13, interluekin

Target/Specificity

IL-13

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-human IL-13 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

IL-13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-13 Antibody - Protein Information**Name** IL13**Synonyms** NC30**Function**

Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:8096327, PubMed:<a href="http://www.uniprot.org/citations/8097324"

target="_blank">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). 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: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.

IL-13 Antibody - 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](#)

IL-13 Antibody - Images

IL-13 Antibody - Background

Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human IL-13. The antibody was purified by affinity chromatography employing immobilized human IL-13 matrix.