

IL-13 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11574**Specification**

IL-13 Antibody - Product Information

Application	WB, E, Neut
Primary Accession	P20109
Other Accession	EDL33575
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14108

IL-13 Antibody - Additional Information**Gene ID** 16163**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-mouse IL-13 specific polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, and 0.02% thimerosal.

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** Il-13**Function**

Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:15361238). Synergizes with IL2 in regulating interferon-gamma synthesis.

Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (By similarity). Plays an important role in controlling IL33 activity by modulating the production of transmembrane and soluble forms of interleukin-1 receptor-like 1/IL1RL1 (PubMed:34789557). 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. 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:8871614, PubMed:34795444). Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:29305434).

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

Interleukin-13 (IL-13) is an immunoregulatory protein produced by activated T lymphocytes. The biological activities of IL-13 include the stimulation of B cell proliferation and immunoglobulins production.