

**IL13 Antibody (clone A130D 12G5 1E4)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12955**

**Specification**

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**IL13 Antibody (clone A130D 12G5 1E4) - Product Information**

Application	IHC
Primary Accession	<a href="#">P35225</a>
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	16kDa KDa

**IL13 Antibody (clone A130D 12G5 1E4) - Additional Information**

**Gene ID** 3596

**Other Names**

Interleukin-13, IL-13, IL13, NC30

**Target/Specificity**

Recognizes recombinant and native rat IL-13.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

IL13 Antibody (clone A130D 12G5 1E4) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL13 Antibody (clone A130D 12G5 1E4) - Protein Information**

**Name** IL13

**Synonyms** NC30

**Function**

Cytokine that plays important roles in allergic inflammation and immune response to parasite infection (PubMed:[8096327](http://www.uniprot.org/citations/8096327)), PubMed:[8097324](http://www.uniprot.org/citations/8097324)), PubMed:[8097324](http://www.uniprot.org/citations/8097324)). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:[8096327](http://www.uniprot.org/citations/8096327)). Stimulates B-cell proliferation, and activation of eosinophils, basophils, and mast cells (PubMed:[7903680](http://www.uniprot.org/citations/7903680), PubMed:[8759755](http://www.uniprot.org/citations/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:<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

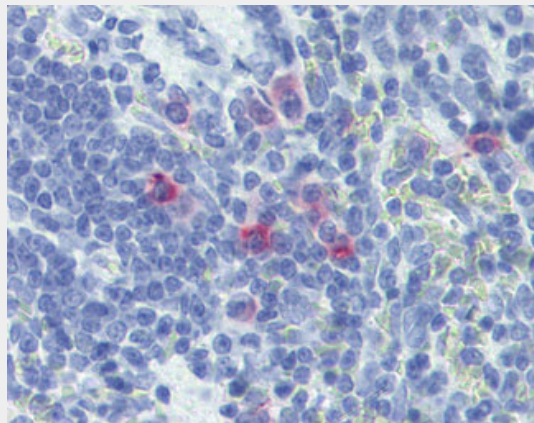
Secreted.

#### IL13 Antibody (clone A130D 12G5 1E4) - 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](#)

#### IL13 Antibody (clone A130D 12G5 1E4) - Images



Anti-IL-13 antibody IHC of rat spleen.

#### IL13 Antibody (clone A130D 12G5 1E4) - Background

Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses.

#### IL13 Antibody (clone A130D 12G5 1E4) - References

Minty A.J., et al. Nature 362:248-250(1993).  
McKenzie A.N., et al. Proc. Natl. Acad. Sci. U.S.A. 90:3735-3739(1993).

Smirnov D.V.,et al.Gene 155:277-281(1995).  
Dolganov G.,et al.Blood 87:3316-3326(1996).  
Schmutz J.,et al.Nature 431:268-274(2004).