

# IL13 Antibody

Rabbit mAb

Catalog # AP93129

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P35225</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	ALRH; BHR1; IL13; Interleukin 13; NC30; P600;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	15788

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human IL13
<b>Description</b>	Cytokine (PubMed:8096327, PubMed:8097324). Inhibits inflammatory cytokine production (PubMed:8096327). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:8096327).
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

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<b>Name</b>	IL13
<b>Synonyms</b>	NC30
<b>Function</b>	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

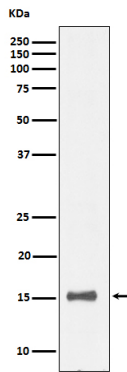
(PubMed:[8639787](#)). Exerts its biological effects through its receptors which comprises the IL4R chain and the IL13RA1 chain, to activate JAK1 and TYK2, leading to the activation of STAT6 (PubMed:[9013879](#)). Aside from IL13RA1, another receptor IL13RA2 acts as a high affinity decoy for IL13 and mediates internalization and depletion of extracellular IL13 (PubMed:[21622864](#)).

#### Cellular Location

Secreted.

## Images

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Western blot analysis of IL13 expression in human recombinant protein cell lysate.

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