

Datasheet for ABIN3043089  
**anti-IL-13 antibody (C-Term)**



[Go to Product page](#)

1 Image

6 Publications

## Overview

Quantity:	100 µg
Target:	IL-13 (IL13)
Binding Specificity:	AA 135-146, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-13 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Interleukin-13(IL13) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human IL-13(135-146aa HLKKLFREGRFN).
Sequence:	HLKKLFREGR FN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Interleukin-13(IL13) detection. Tested with WB in Human. Gene Name: interleukin 13 Protein Name: Interleukin-13(IL-13)
Purification:	Immunogen affinity purified.

## Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL13 ( <a href="#">IL13 Products</a> )
Background:	<p>IL-13, Interleukin 13, is a protein that in humans is encoded by the IL-13 gene. IL-13 is cytokine secreted by many cell types, but especially T helper type 2(Th2) cells, that is an important mediator of allergic inflammation and disease. The IL-13 gene is mapped to 5q23-q31. IL-13 induces its effects through a multi-subunit receptor that includes the alpha chain of the IL-4 receptor(IL-4Ralpha) and at least one of two known IL-13-specific binding chains. IL-13 acts more prominently as a molecular bridge linking allergic inflammatory cells to the non-immune cells in contact with them, thereby altering physiological function.</p> <p>Synonyms: Allergic rhinitis antibody ALRH antibody BHR1 antibody Bronchial hyperresponsiveness 1(bronchial asthma) antibody IL 13 antibody IL-13 antibody IL13 antibody IL13_HUMAN antibody Interleukin 13 antibody Interleukin-13 antibody MGC116786 antibody MGC116788 antibody MGC116789 antibody NC30 antibody P600 antibody</p>
UniProt:	<a href="#">P35225</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Proton Transport</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

## Handling

Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Publications

- Product cited in:
- Liu, Wang, Cao, Liu, Zou, Li, Yang, Jiao: "Number 2 Feibi Recipe Reduces PM2.5-Induced Lung Injury in Rats." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2018 , pp. 3674145, (2018) ([PubMed](#)).
- Zhu, Li, Wu, Lu, You, Li, Li, Yang, Duan: "Acute exposure of ozone induced pulmonary injury and the protective role of vitamin E through the Nrf2 pathway in Balb/c mice." in: **Toxicology research**, Vol. 5, Issue 1, pp. 268-277, (2018) ([PubMed](#)).
- Li, Zhang, Qin, Bi, Liu, Li, Cai, Ma, Chan, Xie, Guan: "CD68 and interleukin 13, prospective immune markers for esophageal squamous cell carcinoma prognosis prediction." in: **Oncotarget**, Vol. 7, Issue 13, pp. 15525-38, (2017) ([PubMed](#)).
- Wang, Liang, Wang, Zhu, Gong, Zhang, Li, Xia: "Th17 down-regulation is involved in reduced progression of schistosomiasis fibrosis in ICOSL KO mice." in: **PLoS neglected tropical diseases**, Vol. 9, Issue 1, pp. e0003434, (2016) ([PubMed](#)).
- Long, Chen, Zhao, Rafaels, Mathias, Liang, Potee, Campbell, Zhang, Gao, Georas, Vercelli, Beaty, Ruczinski, Mathias, Barnes, Chen: "An IL-13 promoter polymorphism associated with liver fibrosis in patients with Schistosoma japonicum." in: **PLoS ONE**, Vol. 10, Issue 8, pp. e0135360, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



**Western Blotting**

**Image 1.** Anti-IL13 antibody, Western blotting Lane 1: Recombinant Human IL13 Protein 10ng Lane 2: Recombinant Human IL13 Protein 5ng Lane 3: Recombinant Human IL13 Protein 2.5ng