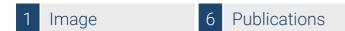


## Datasheet for ABIN3043089

# anti-IL-13 antibody (C-Term)





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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
Sequence:  Isotype:	HLKKLFREGR FN IgG
·	
Isotype:	IgG

## Target Details

Target:	IL-13 (IL13)	
Alternative Name:	IL13 (IL13 Products)	
Background:	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.	
	Synonyms: Allergic rhinitis antibody ALRH antibody BHR1 antibody Bronchial	
	hyperresponsiveness 1(bronchial asthma) antibody IL 13 antibody IL-13 antibody II13	
	antibody IL13_HUMAN antibody Interleukin 13 antibody Interleukin-13 antibody MGC116786	
	antibody MGC116788 antibody MGC116789 antibody NC30 antibody P600 antibody	
UniProt:	P35225	
Pathways:	JAK-STAT Signaling, Positive Regulation of Immune Effector Process, Production of Molecular	
	Mediator of Immune Response, Proton Transport	
Application Details		
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human	
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be	
	fit for the product based on sequence similarities.	
	Other applications have not been tested. Optimal dilutions should be determined by end users.	
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).

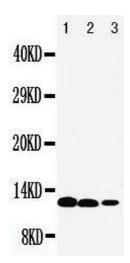
Zhu, Li, Wu, Lu, You, Li, Li, Yang, Duan: "Acute exposure of ozone induced pulmonary injury and the protective role of vitamin E through the Nrf2 pathway in Balb/c mice." in: **Toxicology research**, Vol. 5, Issue 1, pp. 268-277, (2018) (PubMed).

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