

# **Anti-Interleukin-13 IL13 Antibody**

Catalog Number: PA1469

### **About II13**

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.

### Overview

Product Name	Anti-Interleukin-13 IL13 Antibody
Reactive Species	Rat
Description	Boster Bio Anti-Interleukin-13 IL13 Antibody catalog # PA1469. Tested in WB applications. This antibody reacts with Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42203

### **Technical Details**

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of rat IL-13.
Predicted Reactive Species	Horse, Rabbit
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.



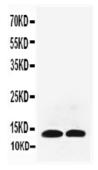
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Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.  If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.  Some PubMed article(s) citing the expression level of this target are as follows:  Boster Bio's internal QC testing used:  Western blot, 0.1-0.5ug/ml, Rat



### Anti-Interleukin-13 IL13 Antibody (PA1469) Images



Anti-IL-13 antibody, PA1469, Western blotting All lanes: Anti IL-13 (PA1469) at 0.5ug/ml Lane 1: Recombinant Rat IL-13 Protein 5ng Lane 2: Recombinant Rat IL-13 Protein 2.5ng

Predicted bind size: 13KD Observed bind size: 13KD

# **6 Publications Citing This Product**

1. PubMed ID: 24498391, Li J, Li L, Zuo H, Ke C, Yan B, Wen H, Zhang Y, Yang X. Plos One. 2014 Feb 3;9(2):E87887. Doi: 10.1371/Journal.Pone.0087887. Ecollection 2014. T-Helper Type-2 Contact Hypersensitivity Of Balb/C Mice Aggravated By Dibutyl Phthalate Via Long-Term De...

- 2. PubMed ID: 26258681, An IL-13 Promoter Polymorphism Associated with Liver Fibrosis in Patients with Schistosoma japonicum
- 3. PubMed ID: 25590646, Wang B, Liang S, Wang Y, Zhu Xq, Gong W, Zhang Hq, Li Y, Xia Cm. Plos Negl Trop Dis. 2015 Jan 15;9(1):E0003434. Doi: 10.1371/Journal.Pntd.0003434. Ecollection 2015. Th17 Down-Regulation Is Involved In Reduced Progression Of Schistosomiasis Fibrosi...

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