

Anti-Interleukin-13 IL13 Antibody

Catalog Number: PA1469

About IL13

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.

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

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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