BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Interleukin-13 IL13 Antibody Picoband®

Catalog Number: PA1701

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.

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Overview

Product Name	Anti-Interleukin-13 IL13 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Interleukin-13 IL13 Antibody catalog # PA1701. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P35225

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IL-13.
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	Western blot, 0.1-0.5ug/ml, Human

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Anti-Interleukin-13 IL13 Antibody Picoband® (PA1701) Images



Anti-IL-13 antibody, PA1701, Western blottingLane 1: Recombinant Human IL-13 Protein 10ngLane 2: Recombinant Human IL-13 Protein 5ngLane 3: Recombinant Human IL-13 Protein 2.5ng

7 Publications Citing This Product

1. 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...

2. 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...

3. PubMed ID: 26771842, CD68 and interleukin 13, prospective immune markers for esophageal squamous cell carcinoma prognosis prediction

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Anti-Interleukin-13 IL13 Antibody

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