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

Catalog Number: RP1047

About IL13

IL-13, Interleukin 13, is a protein that in humans is encoded by the IL-13 gene. IL-13 is a kind of cytokine secreted by many cell types, but especially T helper type 2 (Th2) cells, which 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. This gene 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 # RP1047. Tested in ELISA, 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg 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	E. coli-derived human IL-13 recombinant protein (Position: L25-N146). Human IL-13 shares 57% and 62% amino acid (aa) sequence identity with mouse and rat IL-13, respectively.
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 ELISA, 0.1-0.5ug/ml, -

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Anti-Interleukin-13 IL13 Antibody Picoband® (RP1047) Images



Boster Kit Box

2 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: 26771842, CD68 and interleukin 13, prospective immune markers for esophageal squamous cell carcinoma prognosis prediction

Visit bosterbio.com/anti-il-13-antibody-rp1047-boster.html to see all 2 publications.

Anti-Interleukin-13 IL13 Antibody

For Research Use Only. Not for use in diagnostic procedures.