

## 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.

### Overview

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|----------------------|--|
| 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 Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg Na <sub>3</sub> N.<br>*This antibody is supplied in a stabilized formulation.<br>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<br>ELISA, 0.1-0.5ug/ml, -               |

## 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

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Anti-Interleukin-13 IL13 Antibody

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