

Anti-Interleukin-13 IL13 Antibody

Catalog Number: RP1048

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

Product Name	Anti-Interleukin-13 IL13 Antibody
Reactive Species	Rat
Description	Boster Bio Anti-Interleukin-13 IL13 Antibody catalog # RP1048. Tested in ELISA applications. This antibody reacts with Rat.
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg 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	E. coli-derived rat IL-13 recombinant protein (Position: P22-H131). Rat IL-13 shares 62% and 76% amino acid (aa) sequence identity with human and mouse IL-13, respectively.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster provides a series of assays reacted with primary antibodies.
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>ELISA(Cap), 0.1-0.5ug/ml, Rat</p>

Anti-Interleukin-13 IL13 Antibody (RP1048) Images

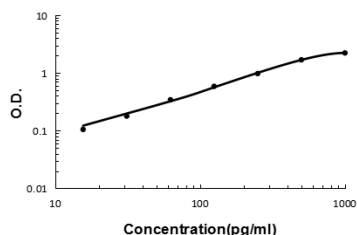


Figure 1. Sandwich ELISA - Recombinant rat IL13 protein standard curve.
Use in combination with reagents from Rat IL13 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0900).

1 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...

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