

Anti-Interleukin-3 IL3 Antibody Picoband®

Catalog Number: PA1423

About IL3

The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor (CSF) that is capable of supporting the proliferation of a broad range of hematopoietic cell types.¹ Interleukin-3 (IL-3), a protein of 140 amino acids, is chemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3.² The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide.³ The mouse IL 3 gene is located on chromosome 11.⁴ The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5.⁵ The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.

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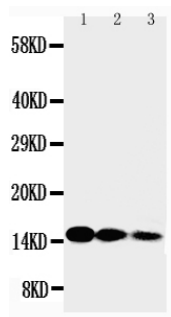
Overview

Product Name	Anti-Interleukin-3 IL3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Interleukin-3 IL3 Antibody catalog # PA1423. 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	P08700

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IL-3.
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

Anti-Interleukin-3 IL3 Antibody Picoband® (PA1423) Images



Anti-IL-3 antibody, PA1423, Western blotting
Lane 1: Recombinant Human IL-3 Protein 10ng
Lane 2: Recombinant Human IL-3 Protein 5ng
Lane 3: Recombinant Human IL-3 Protein 2.5ng

Anti-Interleukin-3 IL3 Antibody

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