

## Anti-Interleukin-3 IL3 Antibody

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.<sup>1</sup> 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.<sup>2</sup> 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.<sup>3</sup> The mouse IL 3 gene is located on chromosome 11.<sup>4</sup> The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5.<sup>5</sup> The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.

### Overview

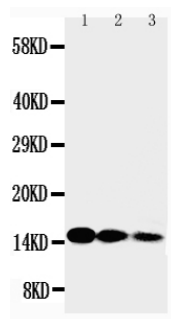
Product Name	Anti-Interleukin-3 IL3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Interleukin-3 IL3 Antibody catalog # PA1423. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
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.
Predicted Reactive Species	Hamster
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	<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>Western blot, 0.1-0.5ug/ml, Human</p>

## Anti-Interleukin-3 IL3 Antibody (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

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