

## 39-2002: Anti-IL3 Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,ELISA
<b>Reactivity :</b>	Rat
<b>Gene :</b>	IL3
<b>Uniprot ID :</b>	P04823
<b>Format :</b>	Lyophilized
<b>Alternative Name :</b>	Interleukin-3; IL-3; Hematopoietic growth factor; Mast cell growth factor; MCGF; Multipotential colony-stimulating factor; P-cell-stimulating factor; IL3; IL-3
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	E. coli-derived rat IL3 recombinant protein (Position: S28-C166). Rat IL3 shares 32% and 55% amino acid (aa) sequence identity with human and mouse IL3, respectively.

## Description

Interleukin 3, also known as IL-3, is a protein that in humans is encoded by the IL3 gene. It is mapped to 5q31.1. IL-3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. IL-3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid lineage (granulocytes, monocytes, and dendritic cells), in conjunction with other cytokines, e.g., Erythropoietin (EPO), Granulocyte macrophage colony-stimulating factor (GM-CSF), and IL-6. IL-3 is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response.

## Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## Application Note

Western blot : 0.1-0.5 µg/ml; ELISA : 0.1-0.5 µg/ml

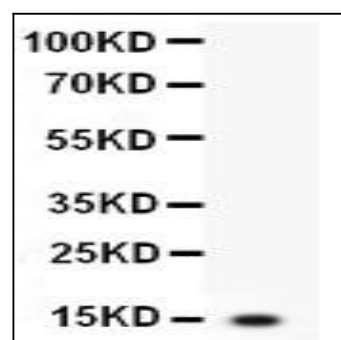


Figure 1: Anti-IL-3 antibody(39-2002) . Western blotting : Lanes: Anti IL-3(39-2002) at 0.5ug/ml. WB: Recombinant Rat IL-3 Protein 0.5ng. Predicted band size: 15 kDa.Observed band size: 15 kDa.

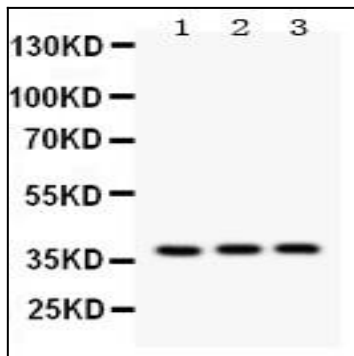


Figure 2: Anti- IL-3 antibody(39-2002). Western blotting : - Lanes: Anti IL-3(39-2002) at 0.5ug/ml, Lane 1: PC-12 Whole Cell Lysate at 40ug, Lane 2: NRK Whole Cell Lysate at 40ug, Lane 3: RH35 Whole Cell Lysate at 40ug; Predicted band size: 17 kDa: Observed band size: 37 kDa.