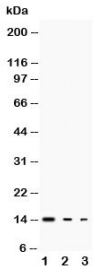
IL-3 Antibody (R30818)

Catalog No.	Formulation	Size
R30818	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P01586
Applications	Western blot: 0.5-1ug/ml
Limitations	This IL-3 antibody is available for research use only.



Western blot testing of IL-3 antibody and Lane 1: recombinant mouse protein 10ng; 2: 5ng; 3: 2.5ng

Description

Interleukin 3 is a protein that in humans is encoded by the IL3 gene. It 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, it 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.

For a monoclonal clone with IHC and protein microarray specificity validation, see our Interleukin 3 Antibody IL3/4004 / IL3 Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL-3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of mouse IL-3 (RDLDDFRKKLRFYMVHLND) was used as the immunogen for this IL-3 antibody.

Storage

After reconstitution, the IL-3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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