IL3 Antibody (R30148)

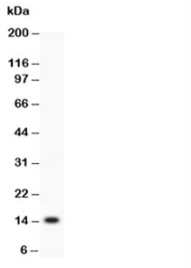
Catalog No.	Formulation	Size
R30148	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
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
Gene ID	24495
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (rat protein tested); request BSA free format for coating
Limitations	This IL3 antibody is available for research use only.



Western blot testing of IL3 antibody and Lane 1: PC-12; 2: NRK; 3: RH35; The glycoprotein is routinely visualized between 18~35 kDa.



Western blot testing of IL3 antibody and recombinant protein (0.5ng)

Description

Interleukin 3 is a glycoprotein 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.

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 IL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Rat partial recombinant protein (AA 28-166) was used as the immunogen for this IL3 antibody.

Storage

After reconstitution, the IL3 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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