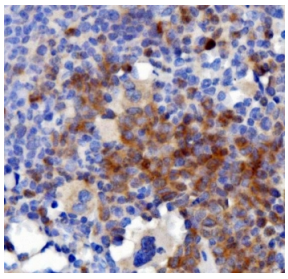
Interleukin 3 Antibody (RQ6185)

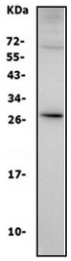
Catalog No.	Formulation	Size
RQ6185	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	P01586
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Interleukin 3 antibody is available for research use only.



IHC staining of FFPE mouse spleen with Interleukin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of mouse spleen lysate with Interleukin 3 antibody. Expected molecular weight: 18-35 kDa depending on glycosylation level.

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.

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

Application Notes

Optimal dilution of the Interleukin 3 antibody should be determined by the researcher.

Immunogen

A mouse recombinant partial protein (amino acids E91-C166) was used as the immunogen for the Interleukin 3 antibody.

Storage

After reconstitution, the Interleukin 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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