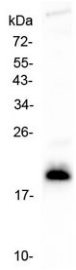
IL-4 Antibody (RQ4162)

Catalog No.	Formulation	Size
RQ4162	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P05112
Applications	Western Blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This IL-4 antibody is available for research use only.



Western blot testing of human CCRF-CEM cell lysate with IL-4 antibody at 0.5ug/ml.
Expected molecular weight: 14-20 kDa depending on glycosylation level.

Description

Interleukin-4 (IL-4), also known as a B-cell stimulatory factor1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumor cells.1 The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. IL-4 may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis. The mouse and human genes and their protein products show structural and functional similarities.

For an IL-4 antibody with Western blot, IHC and flow cytometry validation across human and mouse samples, see our Interleukin 4 Antibody / BSF-1 Antibody page.

Application Notes

Optimal dilution of the IL-4 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids H25-S153 was used as the immunogen for the IL-4 antibody.

Storage

After reconstitution, the IL-4 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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