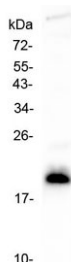


## IL-4 Antibody (RQ4162)

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

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P05112
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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 tumour cells.<sup>1</sup> 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.

## 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.