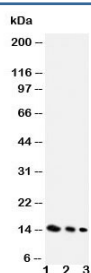


## IL-4 Antibody (R30605)

Catalog No.	Formulation	Size
R30605	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>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P07750
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This IL-4 antibody is available for research use only.



Western blot testing of IL-4 antibody and Lane 1: recombinant mouse protein 10ng; 2: 5ng; 3: 2.5ng. Expected molecular weight: 14-20 kDa depending on glycosylation level.

## Description

Interleukin-4, also known as a B-cell stimulatory factor 1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells. The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. It 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. The human gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.2

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL-4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of mouse IL-4 (SLKDFLESLKSIMQMDYS) was used as the immunogen for this 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.