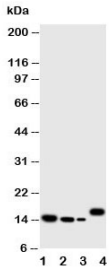
IL-4 Antibody (R30841)

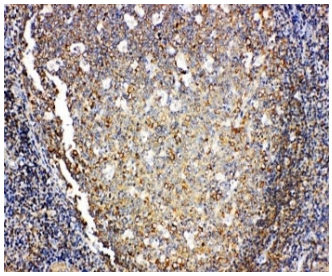
Catalog No.	Formulation	Size
R30841	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P05112
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This IL-4 antibody is available for research use only.



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



IHC-P: IL-4 antibody testing of human tonsil tissue

Description

Interleukin-4, also knowns as a B-cell stimulatory factor 1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumor cells. 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. The human gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.

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

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 middle region of human Interleukin-4 (AATVLRQFYSHHEKDTR) 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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