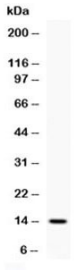
Human IL4 Antibody (R30111)

Catalog No.	Formulation	Size
R30111	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 0.025% sodium azide
UniProt	P05112
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested)
Limitations	This Human IL4 Antibody is available for research use only.



Human IL4 Antibody WB. Western blot testing of 1ng of recombinant human IL4 antibody at 0.5ug/ml. Expected molecular weight: 14-20 kDa depending on glycosylation level.

Description

Human IL4 Antibody detects Interleukin-4 (IL-4), also knowns as a B-cell stimulatory factor1 (BSF1), 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 IL-4 gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.2 The standard product used in this kit is recombinant human IL-4, consisting of 130 amino acids with the molecular mass of 14KDa.

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 Human IL4 Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 25-153) was used as the immunogen for this Human IL4 Antibody.

Storage

After reconstitution, the Human IL4 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.