

IL-4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04501
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-4. AA range:10-59
Mol wt	17492
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	IL-4 Antibody
Synonyms	B cell growth factor 1; BCDF; B-cell stimulatory factor 1; BCGF1; BCGF-1; binetrakin; BSF1; BSF-1; IL4; IL-4; IL 4; IL-4B_cell stimulatory factor 1; IL4E12; interleukin 4; interleukin-4; Lymphocyte stimulatory factor 1; MGC79402; pitrakinra

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by IL4 is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

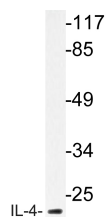
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000

Not yet tested in other applications.

Images



Western blot analysis of lysate from MCF-7 cells, using IL-4 antibody.

Storage

-20°C for one year