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Product Information

Recombinant Anti-Human IL4 Antibody

Cat. No.: **MOM-18221**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody binds selectively to Human IL4, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.

Specific Activity

Tested positive against native antigen.

Target

IL4

Immunogen

The details of the immunogen for this antibody are not available.

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Humanized (from mouse) IgG1 - kappa

Expression Host

CHO

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut, ICC and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

IL4 interleukin 4 [Homo sapiens]

Official Symbol

IL4

Synonyms

IL4; interleukin 4; interleukin-4; B cell growth factor 1; B_cell stimulatory factor 1; BCGF 1; BCGF1; BSF1; IL 4; lymphocyte stimulatory factor 1; MGC79402; binetrakin; pitrakinra; IL-4; BSF-1; BCGF-1;

Gene ID

3565

mRNA Refseq

NM_000589

Protein Refseq

NP_000580

MIM

147780

UniProt ID

P05112

Chromosome Location

5q23-q31

Pathway

Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD40/CD40L signaling, organism-specific biosystem;

Function

cytokine activity; growth factor activity; interleukin-4 receptor binding; protein binding;

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