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Product Information

Recombinant Anti-Human il23a Antibody Fab Fragment

Cat. No.: **MOM-18404-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is directed against Human IL23A, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Associates with IL12B to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to an heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Specific Activity

Tested positive against native antigen.

Target

IL23A

Immunogen

Recombinant Human full length IL23 P19 protein.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

Purity

Purity >95% by SDS-PAGE.

Applications

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

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name

IL23A interleukin 23, alpha subunit p19 [Homo sapiens]

Official Symbol

IL23A

Synonyms

IL23A; interleukin 23, alpha subunit p19; interleukin-23 subunit alpha; IL 23; IL 23A; IL23P19; interleukin six; G CSF related factor; P19; SGRF; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin 23 p19 subunit; interleukin-23 subunit p19; JKA3 induced upon T-cell activation; interleukin-six, G-CSF related factor; IL-23; IL-23A; MGC79388

Gene ID

51561

mRNA Refseq

NM_016584

Protein Refseq

NP_057668

MIM

605580

UniProt ID

Q9NPF7

Chromosome Location

12q13.13

Pathway

ATF-2 transcription factor network, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pertussis, organism-specific biosystem;

Function

cytokine activity; contributes_to interleukin-23 receptor binding;

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