SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human tlr3 Antibody Fab Fragment

Cat. No.: **MOM-18621-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 TLR3, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.

Specific Activity

Tested positive against native antigen.

Target

TLR3

Immunogen

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

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

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

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

TLR3 toll-like receptor 3 [Homo sapiens]

Official Symbol

TLR3

Synonyms

TLR3; toll-like receptor 3; CD283; IIAE2;

Gene ID

7098

mRNA Refseq

NM_003265

Protein Refseq

NP_003256

MIM

603029

UniProt ID

O15455

Chromosome Location

4q35

Pathway

Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; IRAK2 mediated activation of TAK1 complex upon TLR7/8 or 9 stimulation, organism-specific biosystem;

Function

double-stranded RNA binding; double-stranded RNA binding; receptor activity; transmembrane signaling receptor activity;

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