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 tlr4 Antibody

Cat. No.: **MOM-18622**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody binds selectively to Human TLR4, 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

TLR4

Immunogen

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

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

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

Applications

Suitable for use in Neut, ICC 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

TLR4 toll-like receptor 4 [Homo sapiens]

Official Symbol

TLR4

Synonyms

TLR4; toll-like receptor 4; CD284; hToll; TLR 4; homolog of Drosophila toll; TOLL; TLR-4; ARMD10;

Gene ID

7099

mRNA Refseq

NM_003266

Protein Refseq

NP_003257

UniProt ID

O00206

Chromosome Location

9q33.1

Pathway

Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; IKK complex recruitment mediated by RIP1, organism-specific biosystem;

Function

lipopolysaccharide binding; lipopolysaccharide binding; lipopolysaccharide receptor activity; phosphatidylinositol 3-kinase binding; protein binding; receptor activity; transmembrane signaling receptor activity;

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