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Product Information

Recombinant Anti-Human cd3 Antibody Fab Fragment

Cat. No.: **MOM-18160-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric /Humanized hybrid Antibody Fab Fragment is specific to Human CD3, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

In immunology, the CD3 (cluster of differentiation 3) T-cell co-receptor is a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3γ chain, a CD3δ chain, and two CD3ε chains. These chains associate with a molecule known as the T-cell receptor (TCR) and the ζ-chain to generate an activation signal in T lymphocytes. The TCR, ζ-chain, and CD3 molecules together comprise the TCR complex.

Specific Activity

Tested positive against native antigen.

Target

CD3

Immunogen

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

Source

Chimeric /Humanized hybrid

Species Reactivity

Human

Type

Chimeric (rat/human) IgG1 Lambda Fab

Expression Host

CHO

Predicted N terminal

H chain: EVQLLES; L Chain: DIQLTQP

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

CD3D CD3d molecule, delta (CD3-TCR complex) [Homo sapiens]

Official Symbol

CD3D

Synonyms

CD3D; CD3d molecule, delta (CD3-TCR complex); T3D; CD3-DELTA; T-cell surface glycoprotein CD3 delta chain; CD3 delta; OKT3, delta chain; CD3 antigen, delta subunit; T-cell receptor T3 delta chain; CD3d antigen, delta polypeptide (TiT3 complex); CD3d antigen

Gene ID

915

mRNA Refseq

NM_000732

Protein Refseq

NP_000723

MIM

186790

UniProt ID

P04234

Chromosome Location

11q23

Pathway

Adaptive Immune System; CXCR4-mediated signaling events; Chagas disease (American trypanosomiasis);Costimulation by the CD28 family; Downstream TCR signaling; Downstream signaling in naive CD8+ T cells; Generation of second messenger molecules;

Function

protein heterodimerization activity; transcription coactivator activity; transmembrane signaling receptor activity

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