

Product Information

Recombinant Anti-Human CD3E Antibody

Cat. No.: **MOM-H52**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from rat) Antibody specifically binds to Human CD3E, expressed in HEK293

Antigen Description

CD3e molecule, epsilon also known as CD3E is a polypeptide which in humans is encoded by the CD3E gene which resides on chromosome 11.

Specific Activity

CD3E (CD3 epsilon) [Homo sapiens]

Target

CD3E

Source

Humanized (from rat)

Species Reactivity

Human

Type

Humanized (from rat) IgG1 - lambda

Expression Host

HEK293

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Purification

Protein A affinity purified from an animal origin - free culture supernatant

Applications

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

Cellular Localization

lambda

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 INFORMATION

Gene Name

[CD3E CD3e molecule, epsilon \(CD3-TCR complex\) \[Homo sapiens \]](#)

Official Symbol

CD3E

Synonyms

CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683;

Gene ID

[916](#)

mRNA Refseq

[NM_000733](#)

Protein Refseq

[NP_000724](#)

UniProt ID

P07766

Chromosome Location

11q23

Pathway

Adaptive Immune System, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;

Function

SH3 domain binding; T cell receptor binding; protein heterodimerization activity; protein kinase binding; receptor activity; receptor signaling complex scaffold activity; receptor signaling protein activity; transmembrane signaling receptor activity;