

Product Information

Recombinant Anti-Human CD4 Antibody Fab Fragment

Cat. No.: **MOM-18171-F(E)**

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

Product Overview

Recombinant Chimeric (primate/human) Antibody Fab Fragment specifically binds to Human CD4, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.

Specific Activity

Tested positive against native antigen.

Target

CD4

Immunogen

Recombinant fragment (Human) corresponding to the external domain.

Source

Chimeric (primate/human)

Species Reactivity

Human

Type

Fab Fragment based on Chimeric (primate/human) IgG1 - lambda

Expression Host

CHO

Purity

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

Applications

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

Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

ANTIGEN GENE INFORMATION

Gene Name

[CD4 CD4 molecule \[Homo sapiens \]](#)

Official Symbol

CD4

Synonyms

CD4; CD4 molecule; CD4 antigen (p55) , T cell surface glycoprotein CD4; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3; CD4mut;

Gene ID

[920](#)

mRNA Refseq

[NM_000616](#)

Protein Refseq

[NP_000607](#)

MIM

[186940](#)

UniProt ID

P01730

Chromosome Location

12p13.31

Pathway

Adaptive Immune System, organism-specific biosystem; Alpha-defensins, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Arf1 pathway, organism-specific biosystem; Binding and entry of HIV virion, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem;

Function

MHC class II protein binding; coreceptor activity; enzyme binding; extracellular matrix structural constituent; glycoprotein binding; protein binding; protein homodimerization activity; protein kinase binding; receptor activity; transmembrane signaling receptor activity; zinc ion binding;