

Product Information

Recombinant Anti-Human CD4 Antibody scFv Fragment

Cat. No.: **MOM-18164-S(P)**

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

Product Overview

Recombinant Chimeric (mouse/human) Antibody scFv Fragment is directed against Human CD4, expressed in E. coli

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

P815 mastocytoma ce11stransfected with human CD4 cDNA

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

scFv Fragment from Chimeric (mouse/human) IgG1 - kappa

Expression Host

E. coli

Purity

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

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

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;