

Product Information

Recombinant Anti-Human CD4 Antibody scFv Fragment

Cat. No.: **MOM-18260-S(P)**

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

Product Overview

Recombinant Humanized (from mouse) Antibody scFv Fragment specifically binds to 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

Recombinant fragment (Human) corresponding to the external domain.

Source

Humanized (from mouse)

Species Reactivity

Human

Type

scFv Fragment from Humanized (from mouse) IgG1 - kappa

Expression Host

E. coli

Purity

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

Applications

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

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

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;