

## Mouse CD4, His Tag, CHO

Catalog Number	LDG008PMM
Package	5 µg / 100 µg / 20 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (C-term)

#### Purity

>90% as determined by SDS-PAGE analysis.

#### Activity

Measured by its ability to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells, with the ED50 ranging from 1 to 10 µg/mL.

#### Form

Lyophilized

#### Expression System

CHO

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4

#### Molecular weight

The protein has a calculated MW of 42.06 kDa. The protein migrates as 50-60 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

### Background

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CD4 protein, primarily expressed on the surface of helper T cells, is a crucial component of the immune system. It plays a pivotal role in orchestrating the adaptive immune response by interacting with major histocompatibility complex class II molecules on antigen-presenting cells. This interaction facilitates T cell activation, leading to the production of cytokines and coordination of immune responses against pathogens. CD4 also serves as the primary receptor for human immunodeficiency virus (HIV), enabling viral entry into host cells. Understanding CD4's functions is essential for elucidating immune system regulation and developing therapies for immune-related disorders.

### Uniprot ID

NP\_038516.1

### Synonyms

T-cell differentiation antigen L3T4, T-cell surface antigen T4/Leu-3

### Sequence Note

Met1-Thr394

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

### Tainan Headquarters

+886-6-2536677

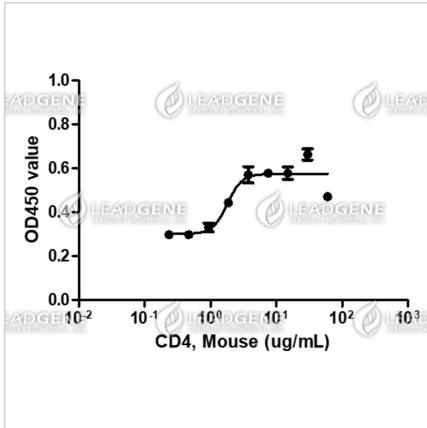
bd@leadgene.com.tw

### Innovation & Research Center

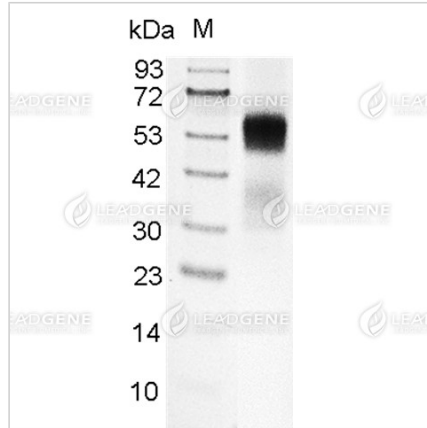
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### CLD Center

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Mouse CD4 Protein, His Tag, CHO (LDG008PMM) supports the adhesion of NIH-3T3 mouse embryonic fibroblast cells, with the ED50 ranging from 1 to 10 µg/mL.



SDS-PAGE analysis of recombinant mouse CD4.

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