



[Go to Product page](#)

Datasheet for ABIN7274187

## CD4 Protein (CD4) (AA 27-394) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD4
Protein Characteristics:	AA 27-394
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD4 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse CD4/LEU3 Protein
Sequence:	Lys27-Thr394
Characteristics:	Recombinant Mouse CD4/LEU3 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Lys27-Thr394.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	CD4
Alternative Name:	CD4 ( <a href="#">CD4 Products</a> )

## Target Details

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Background:	CD4, also known as L3T4, T4, and W3/25, is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. It is a standard phenotype marker for the identification of T cell populations. Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex.
Molecular Weight:	42.4 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_038516</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

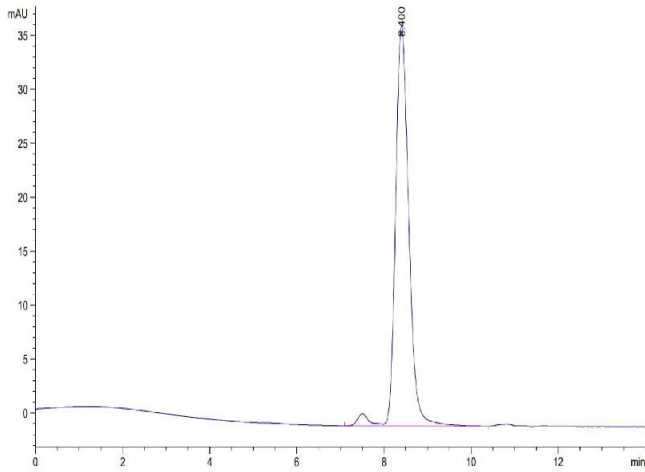
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Restrictions: For Research Use only

## Handling

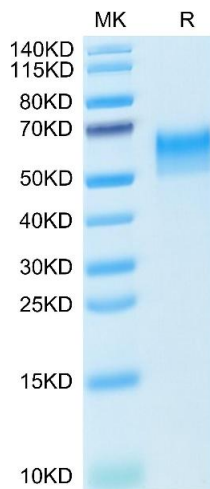
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse CD4 is greater than 95 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** Mouse CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .