

Datasheet for ABIN7274184

CD4 Protein (CD4) (AA 26-390) (His-Avi Tag)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD4
Protein Characteristics:	AA 26-390
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD4 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human CD4/LEU3 Protein
Sequence:	Lys26-Trp390
Characteristics:	Recombinant Human CD4/LEU3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Lys26-Trp390.
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.
Biological Activity Comment:	Immobilized Human CD4 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD4 Antibody, hFc Tag with the EC50 10.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD4
Alternative Name:	CD4 (CD4 Products)
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:	43.6 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	P01730
Pathways:	TCR Signaling , Maintenance of Protein Location , CXCR4-mediated Signaling Events

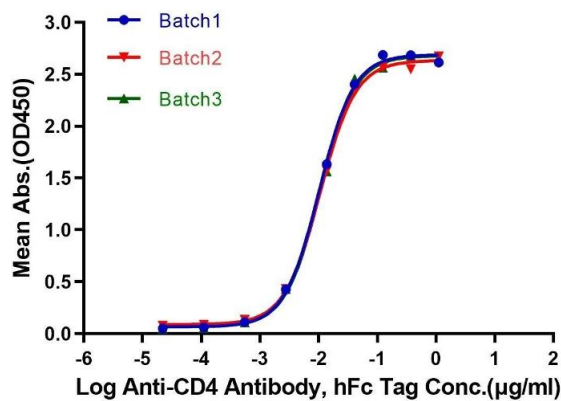
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

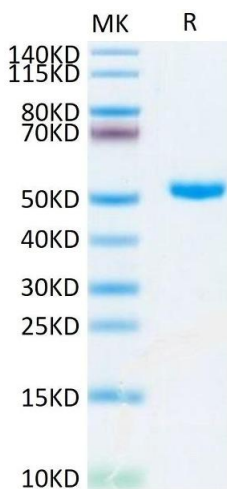
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human CD4, His Tag ELISA
0.05µg Human CD4, His Tag Per Well



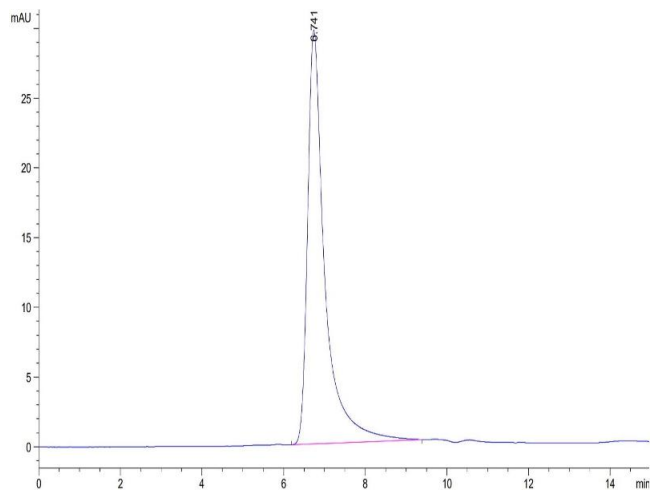
ELISA

Image 1. Immobilized Human CD4 at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD4 Antibody, hFc Tag with the EC50 of 10.2 ng/mL / 10.6 ng/mL / 10.6 ng/mL determined by ELISA.



SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD4 is greater than 95 % as determined by SEC-HPLC

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274184.