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Datasheet for ABIN7274192

## CD5 Protein (CD5) (AA 25-371) (His tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	CD5
Protein Characteristics:	AA 25-371
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD5 protein is labelled with His tag.

#### Product Details

Purpose:	Human CD5 Protein
Sequence:	Arg25-Asn371
Characteristics:	Recombinant Human CD5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg25-Asn371.
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 CD5, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD5 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	CD5
Alternative Name:	CD5 ( <a href="#">CD5 Products</a> )
Background:	CD5: a type I transmembrane protein found on T cells, thymocytes, and some B cells that is a ligand for CD72 and is involved in cellular activation or adhesion, expressed in B-cell chronic lymphocytic leukemia and T-cell lymphoma.
Molecular Weight:	39.63 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P06127</a>

## Application Details

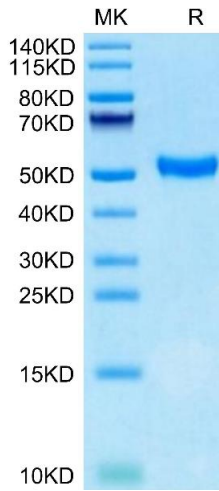
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Restrictions:	For Research Use only
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## Handling

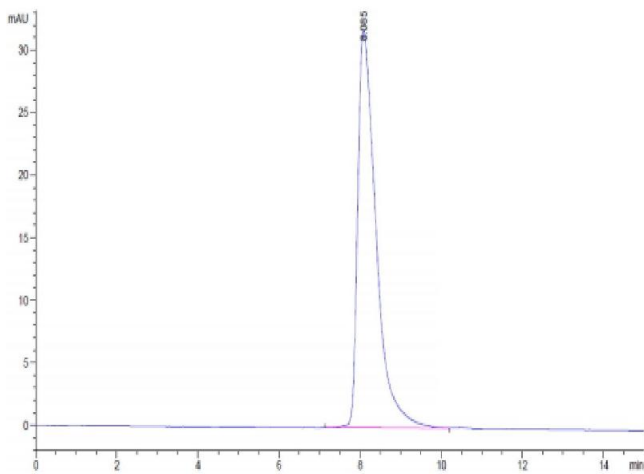
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 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



### SDS-PAGE

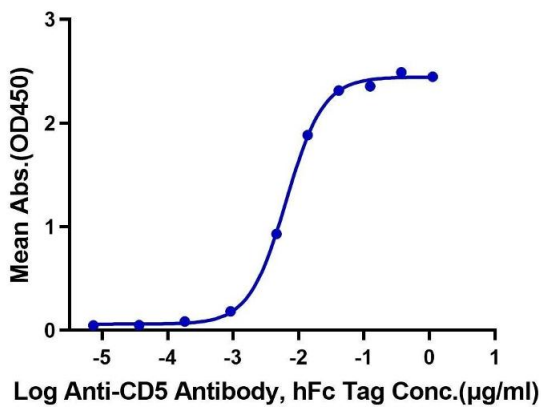
**Image 1.** Human CD5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



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

**Image 2.** The purity of Human CD5 is greater than 95 % as determined by SEC-HPLC.

**Human CD5, His Tag ELISA**  
0.02µg Human CD5, His Tag Per Well



### ELISA

**Image 3.** Immobilized Human CD5, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD5 Antibody, hFc Tag with the EC50 of 6.5 ng/mL determined by ELISA.