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Datasheet for ABIN7274193

## CD55 Protein (AA 35-353) (His tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	CD55
Protein Characteristics:	AA 35-353
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD55 protein is labelled with His tag.

#### Product Details

Purpose:	Human CD55 Protein
Sequence:	Asp35-Ser353
Characteristics:	Recombinant Human CD55 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp35-Ser353.
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 CD55, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD55 Antibody, hFc Tag with the EC50 of 14.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	CD55
Alternative Name:	CD55 ( <a href="#">CD55 Products</a> )
Background:	Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.
Molecular Weight:	35.8 kDa. Due to glycosylation, the protein migrates to 70-75 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Complement System</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a>

## Application Details

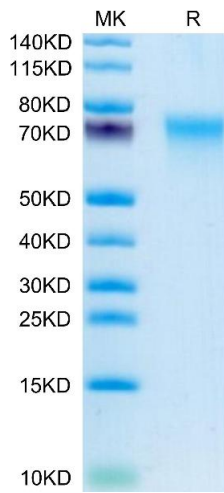
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Restrictions:	For Research Use only
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## Handling

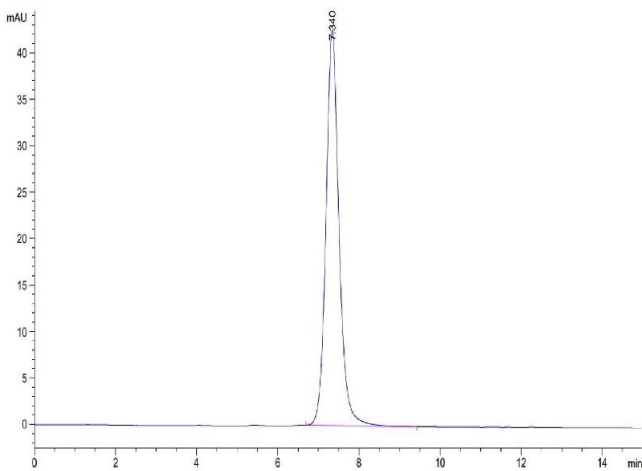
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in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

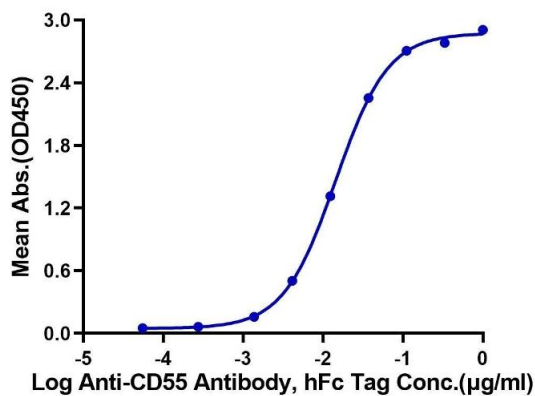
**Image 1.** Human CD55 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



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

**Image 2.** The purity of Human CD55 is greater than 95 % as determined by SEC-HPLC.

**Human CD55, His Tag ELISA**  
0.02µg Human CD55, His Tag Per Well



### ELISA

**Image 3.** Immobilized Human CD55, His Tag at 0.2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD55 Antibody, hFc Tag with the EC50 of 14.3 ng/mL determined by ELISA.