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Datasheet for ABIN7274233

## CD47 Protein (CD47) (AA 19-139) (His-Avi Tag,Biotin)

### 4 Images

#### Overview

Quantity:	100 µg
Target:	CD47
Protein Characteristics:	AA 19-139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD47 protein is labelled with His-Avi Tag,Biotin.

#### Product Details

Purpose:	Biotinylated Human CD47 Protein
Sequence:	Gln19-Pro139
Characteristics:	Recombinant Biotinylated Human CD47 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln19-Pro139.
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 SIRP alpha, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD47, His Tag with the EC50 of 32.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	CD47
Alternative Name:	CD47 ( <a href="#">CD47 Products</a> )
Background:	CD47 (Cluster of Differentiation 47) also known as integrin associated protein (IAP) is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRP $\alpha$ ). CD-47 acts as a don't eat me signal to macrophages of the immune system which has made it a potential therapeutic target in some cancers.
Molecular Weight:	16.63 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Tris-Bis PAGE result.

## Application Details

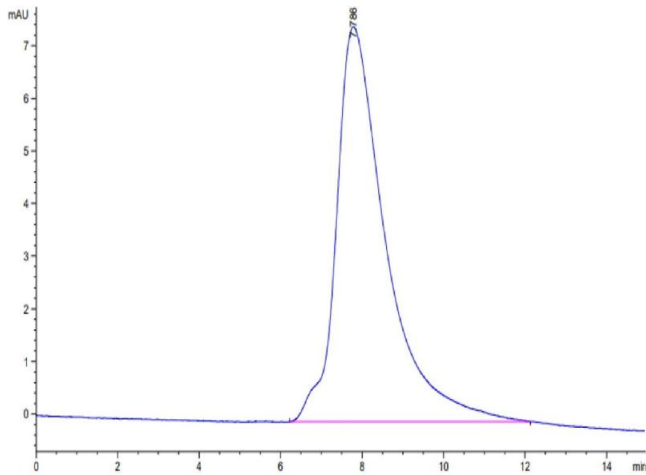
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Restrictions: For Research Use only

## Handling

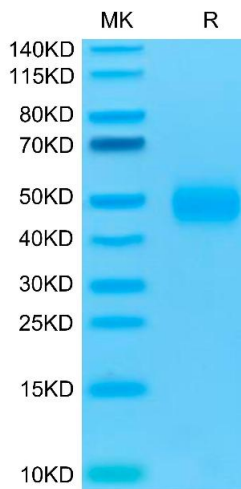
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution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



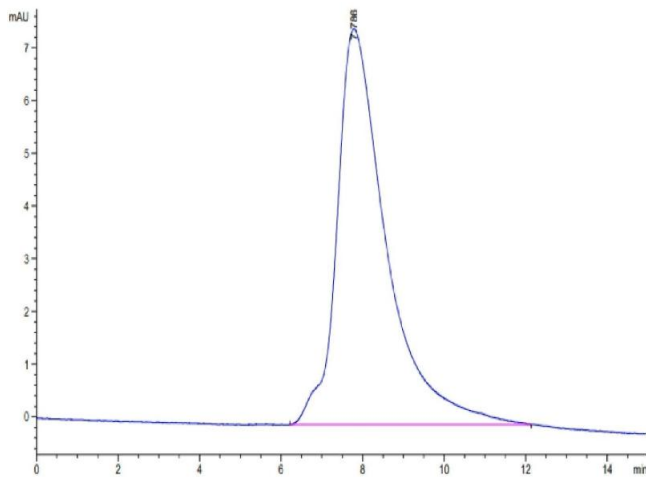
**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 1.** The purity of Biotinylated Human CD47 is greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 2.** Biotinylated Human CD47 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 Biotinylated Human CD47 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274233.