

Datasheet for ABIN7275300

MUC16 Protein (AA 12660-12923) (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	MUC16 (CA125)
Protein Characteristics:	AA 12660-12923
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MUC16 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CA125/MUC16 Protein
Sequence:	Gly12660-Met12923
Characteristics:	Recombinant Biotinylated Human CA125/MUC16 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly12660-Met12923.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human MSLN, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CA125, His Tag with the EC50 of 0.35µg/ml determined by ELISA. See testing image for detail.

Target Details

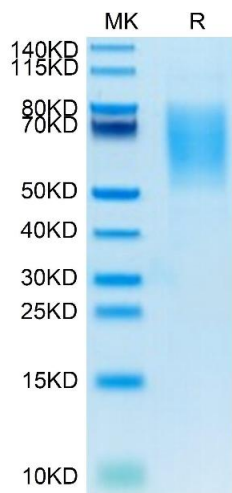
Target:	MUC16 (CA125)
Alternative Name:	CA125 (CA125 Products)
Background:	MUC16, also known as the CA125 antigen, is a mucin protein that may be found in type I transmembrane or secreted forms that are used monitor the progress of epithelial ovarian cancer therapy. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Binding to MSLN mediates heterotypic cell adhesion. This may contribute to the metastasis of ovarian cancer to the peritoneum by initiating cell attachment to the mesothelial epithelium via binding to MSLN.
Molecular Weight:	31.3 kDa. Due to glycosylation, the protein migrates to 52-80 kDa based on Tris-Bis PAGE result.
UniProt:	Q8WXI7

Application Details

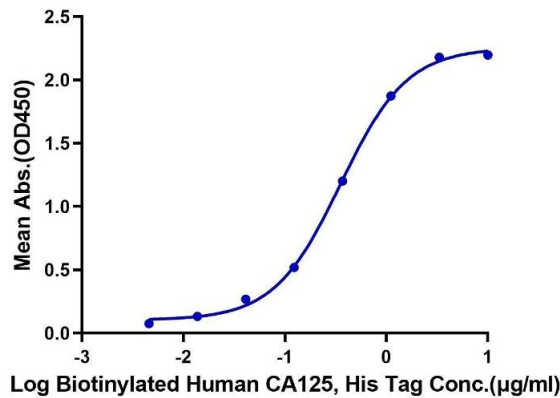
Restrictions:	For Research Use only
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Handling

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



Biotinylated Human CA125, His Tag ELISA
0.05µg Human MSLN, hFc Tag Per Well



SDS-PAGE

Image 1. Biotinylated Human CA125 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

ELISA

Image 2. Immobilized Human MSLN, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CA125, His Tag with the EC50 of 0.35 µ g/mL determined by ELISA.