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Datasheet for ABIN7454190

MUC16 Protein (AA 12783-13467) (His tag)

Overview

Quantity:	100 µg
Target:	MUC16 (CA125)
Protein Characteristics:	AA 12783-13467
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MUC16 protein is labelled with His tag.

Product Details

Purpose:	Human CA125/MUC16 Protein
Sequence:	Asp12783-Ser13467
Characteristics:	Recombinant Human CA125/MUC16 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp12783-Ser13467.
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 CA125, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human MSLN, hFc Tag with the EC50 of 27.4ng/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:	76.17 kDa. Due to glycosylation, the protein migrates to 90-140 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