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Datasheet for ABIN7274314

LI Cadherin Protein (AA 23-787) (His-Avi Tag,Biotin)

3 Images

Overview

Quantity:	100 µg
Target:	LI Cadherin
Protein Characteristics:	AA 23-787
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LI Cadherin protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CDH17/Cadherin 17 Protein
Sequence:	Gln23-Met787
Characteristics:	Recombinant Biotinylated Human CDH17/Cadherin 17 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln23-Met787.
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 Anti-CDH17 Antibody at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human CDH17, His Tag with the EC50 of 26.1ng/ml determined by ELISA. See testing image for detail.

Target Details

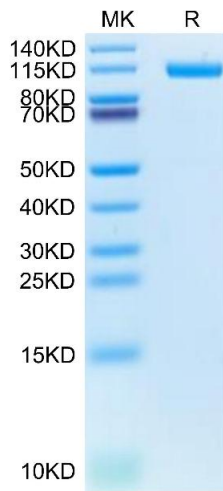
Target:	LI Cadherin
Alternative Name:	CDH17 (LI Cadherin Products)
Background:	Liver-intestine cadherin (CDH17) has been known to function as a tumor stimulator and diagnostic marker for almost two decades. In vivo studies showed CDH17 knockout resulted in apoptotic PC tumor death through activating caspase-3 activity. Taken together, CDH17 functions as an oncogenic molecule critical to PC growth by regulating tumor apoptosis signaling pathways and CDH17 could be targeted to develop an anti-PC therapeutic approach.
Molecular Weight:	87.88 kDa. Due to glycosylation, the protein migrates to 105-120 kDa based on Tris-Bis PAGE result.
UniProt:	Q12864

Application Details

Restrictions:	For Research Use only
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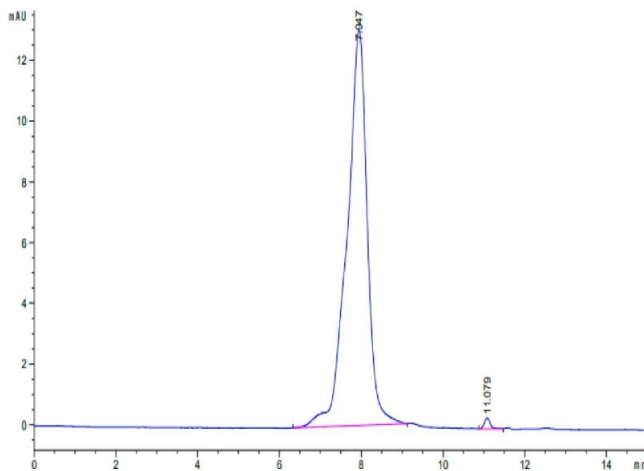
Handling

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



SDS-PAGE

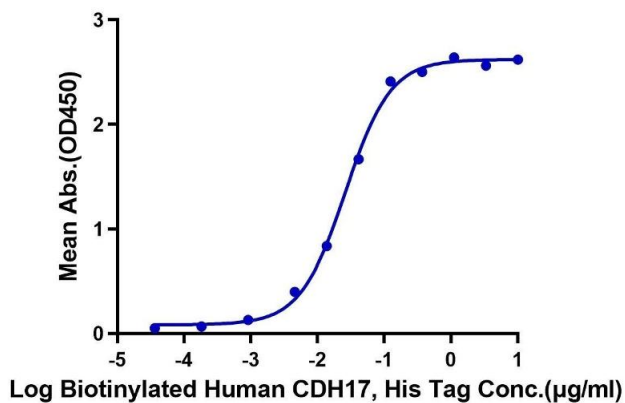
Image 1. Biotinylated Human CDH17 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CDH17 is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human CDH17, His Tag ELISA
0.05µg Anti-CDH17 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-CDH17 Antibody at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human CDH17, His Tag with the EC50 of 26.1 ng/mL determined by ELISA.