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Datasheet for ABIN7274310

LI Cadherin Protein (AA 30-244) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	LI Cadherin
Protein Characteristics:	AA 30-244
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LI Cadherin protein is labelled with His tag.

Product Details

Purpose:	Human CDH17/Cadherin 17 Domain 1 & 2 Protein
Sequence:	Pro30-Pro244
Characteristics:	Recombinant Human CDH17/Cadherin 17 Domain 1 & 2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Pro30-Pro244.
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 CDH17 Domain 1&2, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC ₅₀ of 11.4ng/ml determined by ELISA. See testing image for detail.

Target Details

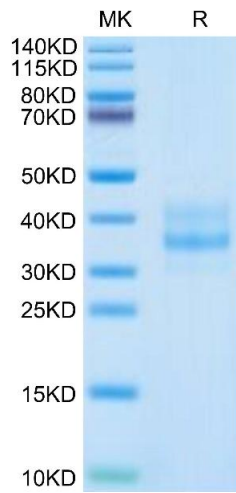
Target:	LI Cadherin
Alternative Name:	CDH17 (LI Cadherin Products)
Background:	Liver-intestine cadherin (CDH17) has been known to function as a tumor stimulator and diagnostic marker for almost two decades. In vivo studies showed CDH17 knockout resulted in apoptotic PC tumor death through activating 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:	25.15 kDa. Due to glycosylation, the protein migrates to 35-45 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

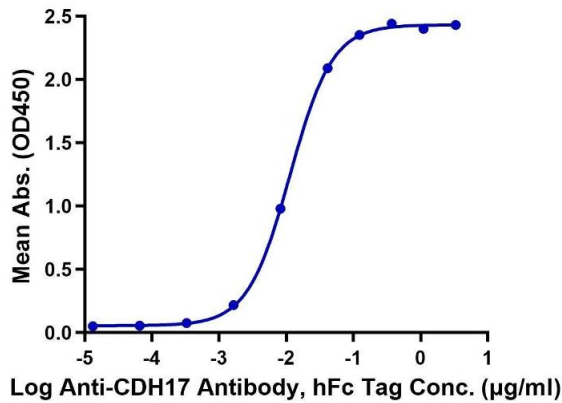


SDS-PAGE

Image 1. Human CDH17 Domain 1&2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human CDH17 Domain 1&2, His Tag ELISA

0.1µg Human CDH17 Domain 1&2, His Tag Per Well



ELISA

Image 2. Immobilized Human CDH17 Domain 1&2, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 11.4 ng/mL determined by ELISA.