



Synonym

Cadherin-17,CDH17,HPT-1,LI-cadherin

Source

Biotinylated Mouse Cadherin-17 Protein, Fc,Avitag(CA7-M82F3) is expressed from human 293 cells (HEK293). It contains AA Phe 26 - Met 786 (Accession # [Q9R100-1](#)).

Predicted N-terminus: Phe 26

Molecular Characterization

Cadherin-17(Phe 26 - Met 786) Q9R100-1	Fc(Pro 100 - Lys 330) P01857	Avi
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This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 112.4 kDa. The protein migrates as 130-150 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 20mM Tris, 150mM NaCl, pH 8.0 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

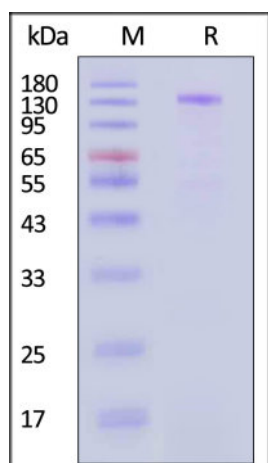
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

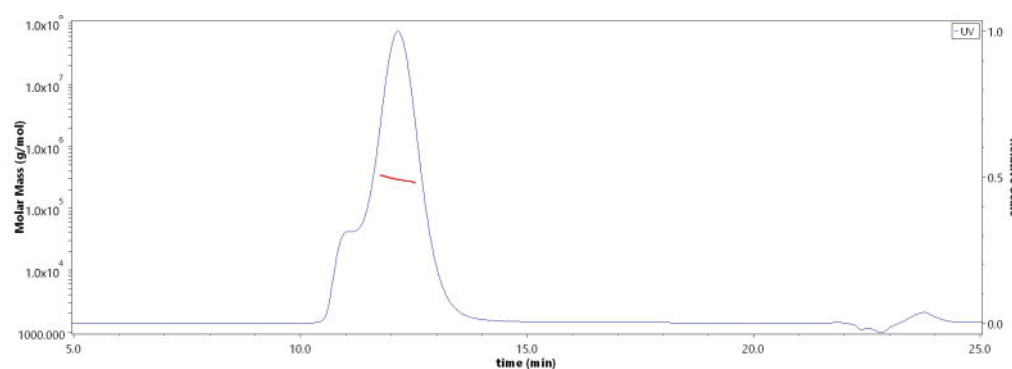
SDS-PAGE



Biotinylated Mouse Cadherin-17 Protein, Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS

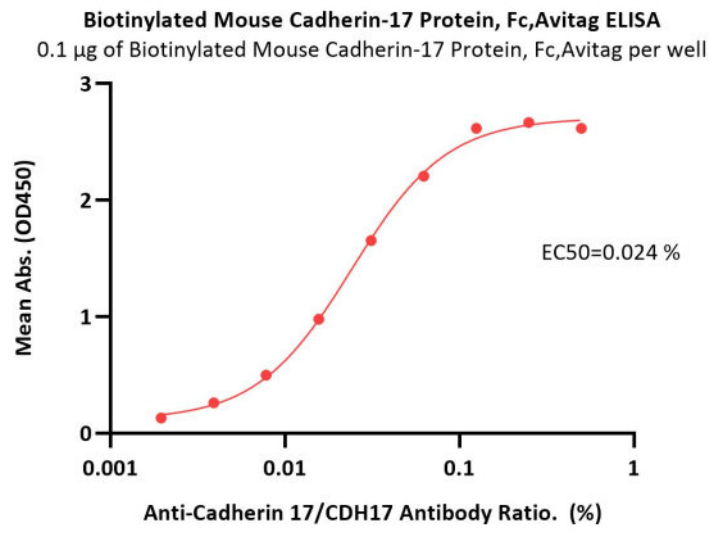


The purity of Biotinylated Mouse Cadherin-17 Protein, Fc,Avitag (Cat. No. CA7-M82F3) is more than 85% and the molecular weight of this protein is around 270-310 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Biotinylated Mouse Cadherin-17 Protein, Fc,Avitag (Cat. No. CA7-M82F3) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate. can bind Anti-Cadherin 17/CDH17 Antibody with a linear range of 0.002-0.03 % (QC tested).

Background

Cadherin-17, also known as liver-intestine (LI) Cadherin, belongs to the cadherin family of calcium-dependent cell adhesion molecules. 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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