



Synonym

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

Source

Human Cadherin-17 Protein, Mouse IgG1 Fc Tag(CA7-H52A9) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Met 787 (Accession # [Q12864-1](#)).

Predicted N-terminus: Gln 23

Molecular Characterization

Cadherin-17(Gln 23 - Met 787) Q12864-1	mFc(Val 98 - Lys 324) AAK53870.1
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This protein carries a mouse IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 111.2 kDa. The protein migrates as 130-135 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μ m filtered solution in 20 mM Tris, 150 mM NaCl, pH8.0 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

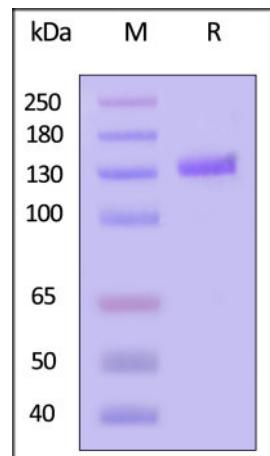
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

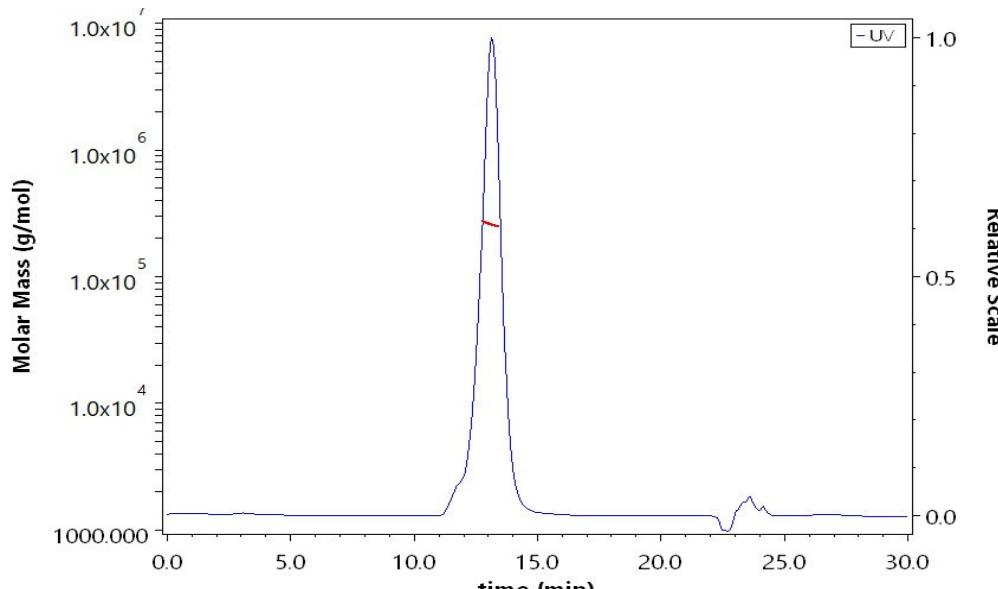
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Cadherin-17 Protein, Mouse IgG1 Fc Tag 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](#)).

SEC-MALS



The purity of Human Cadherin-17 Protein, Mouse IgG1 Fc Tag (Cat. No. CA7-H52A9) is more than 90% and the molecular weight of this protein is around 245-285 kDa verified by SEC-MALS.

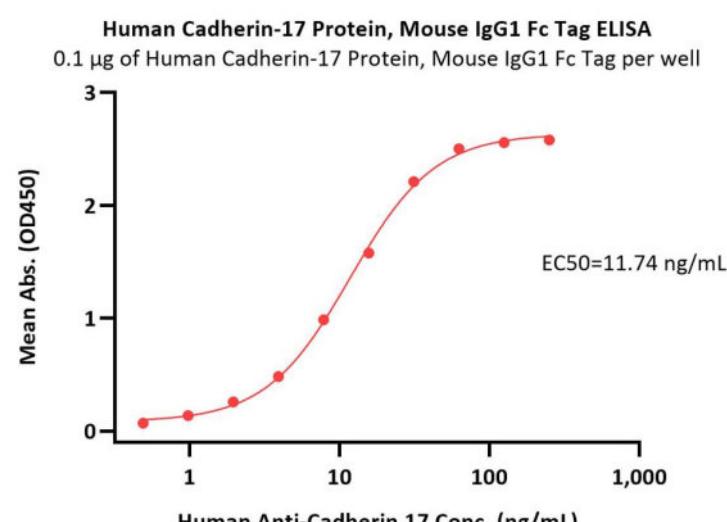
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Immobilized Human Cadherin-17 Protein, Mouse IgG1 Fc Tag (Cat. No. CA7-H52A9) at 1 µg/mL (100 µL/well) can bind Human Anti-Cadherin 17 with a linear range of 0.5-31 ng/mL (QC tested).

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.

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