

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 under reducing (R) condition (SDS-PAGE) due to glycosylation.

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 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.

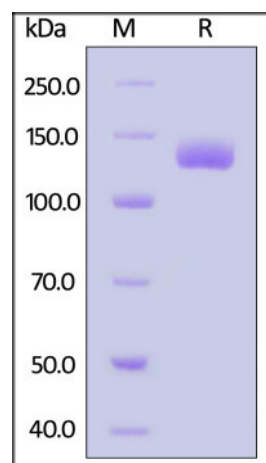
Storage

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

Please avoid repeated freeze-thaw cycles.

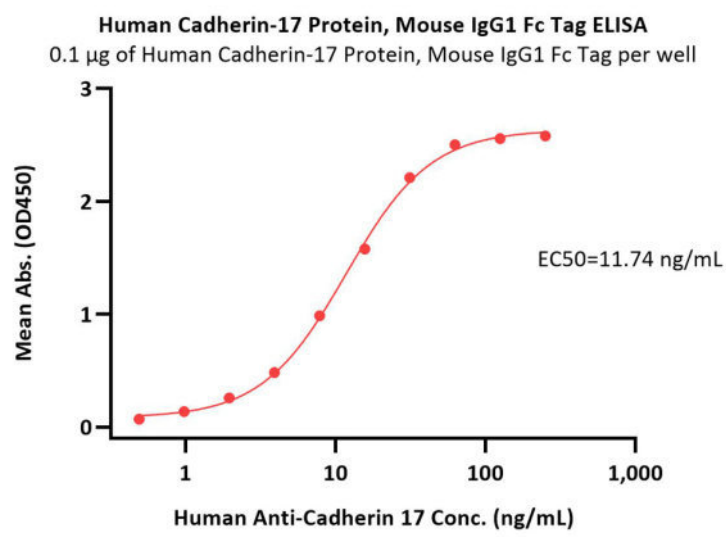
This product is stable after storage at:

- -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 overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



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.

Clinical and Translational Updates

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