

# Human CDH17/Cadherin 17 Protein, Ultra Low Endotoxin



Cat. No. CDH-HM217-UL

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Human CDH17/Cadherin 17 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus.<br>It contains Gln23-Met787. |
| <b>Accession</b>        | Q12864   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 111.73 kDa. Due to glycosylation, the protein migrates to 113-135 kDa based on Bis-Tris PAGE result.   |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.  |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC  |

## Formulation and Storage

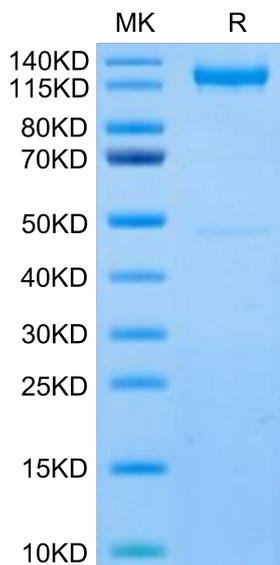
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## 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.

## Assay Data

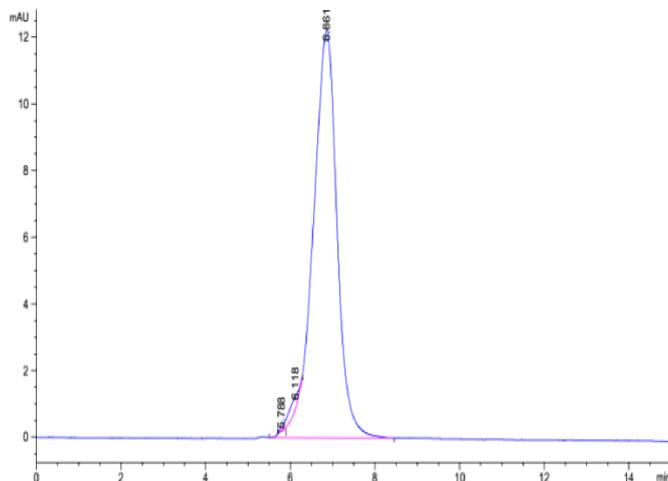
### Bis-Tris PAGE



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

### SEC-HPLC

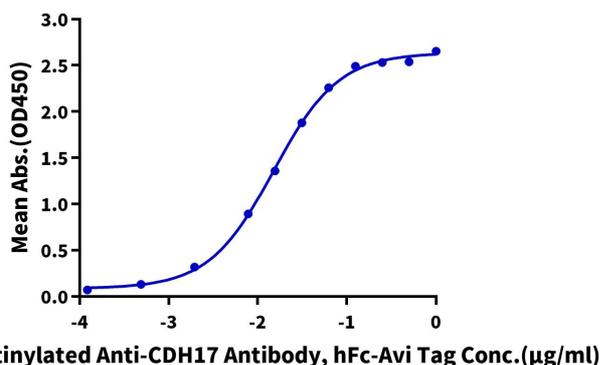
Assay Data



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

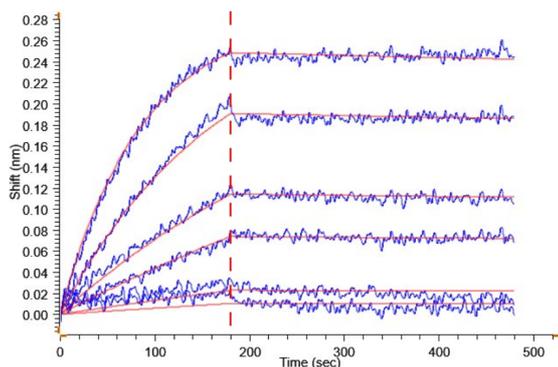
ELISA Data

**Human CDH17, hFc Tag ELISA**  
0.05µg Human CDH17, hFc Tag Per Well



Immobilized Human CDH17, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Antibody, hFc Tag with the EC50 of 15.1ng/ml determined by ELISA.

BLI Data



Loaded Biotinylated Anti-CDH17 Antibody, hFc-Avi Tag on Streptavidin-Biosensor can bind Human CDH17, hFc Tag with an affinity constant of 0.14 nM as determined in BLI assay .