

# Human CDH17/Cadherin 17 Domain 1&2 Protein

Cat. No. CDH-HM1D5

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Human CDH17/Cadherin 17 Domain 1&2 Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Pro30-Pro244. |
| <b>Accession</b>        | Q12864   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 25.15 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.          |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.  |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE   |

## 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> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| <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

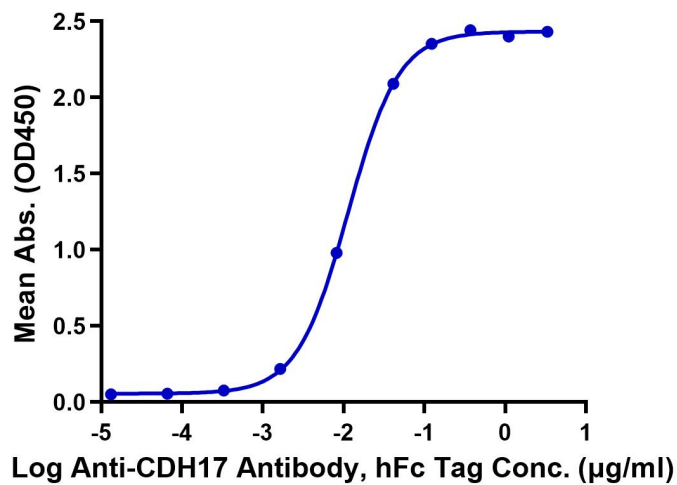


Human CDH17 Domain 1&2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

### Human CDH17 Domain 1&2, His Tag ELISA

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



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<sub>50</sub> of 11.4ng/ml determined by ELISA.