

# Biotinylated Human CDH17/Cadherin 17 Protein

Cat. No. CDH-HM417B

Description	
Source	Recombinant Biotinylated Human CDH17/Cadherin 17 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln23-Met787.
Accession	Q12864
Molecular Weight	The protein has a predicted MW of 87.88 kDa. Due to glycosylation, the protein migrates to 105-120 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

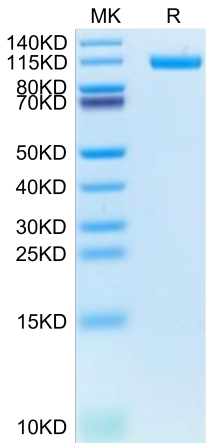
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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

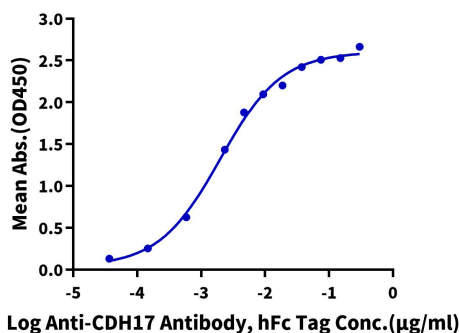


Biotinylated Human CDH17 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Biotinylated Human CDH17, His-Avi Tag ELISA

0.05µg Biotinylated Human CDH17, His-Avi Tag Per Well



Immobilized Biotinylated Human CDH17, His-Avi Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 2.0ng/ml determined by ELISA (QC Test).