

Human CDH17/Cadherin 17 Protein, Ultra Low Endotoxin



Cat. No. CDH-HM617-UL

Description

Source	Recombinant Human CDH17/Cadherin 17 Protein is expressed from HEK293 with Llama IgG2b Fc tag at the C-terminus. It contains Gln23-Met787.
Accession	Q12864-1
Molecular Weight	The protein has a predicted MW of 112.28 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

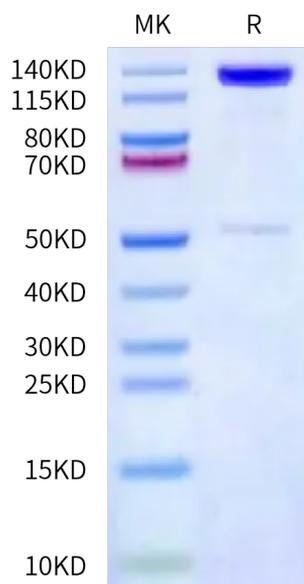
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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



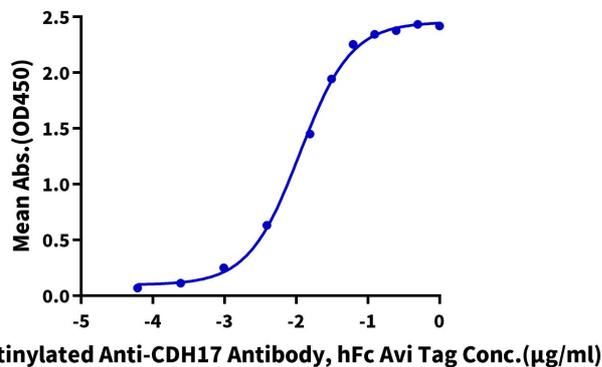
Human CDH17 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

ELISA Data

Assay Data

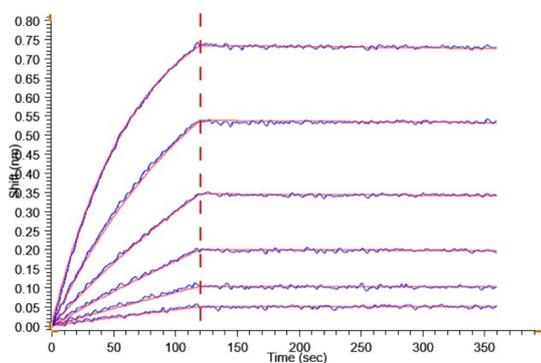
Human CDH17, Llama IgG2b Fc Tag ELISA

0.05µg Human CDH17, Llama IgG2b Fc Tag Per Well



Immobilized Human CDH17, Llama IgG2b Fc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Antibody, hFc Avi Tag with the EC50 of 11.2ng/ml determined by ELISA.

BLI Data



Loaded Biotinylated Anti-CDH17 Antibody, hFc-Avi Tag on Streptavidin-Biosensor can bind Human CDH17, Llama Fc Tag with an affinity constant of 0.15 nM as determined in BLI assay .