

Cynomolgus CDH17/Cadherin 17 Protein, Ultra Low Endotoxin

Cat. No. CDH-CM127-UL

Description

Source	Recombinant Cynomolgus CDH17/Cadherin 17 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln23-Thr784.
Accession	XP_005563762.2
Molecular Weight	The protein has a predicted MW of 85.57 kDa. Due to glycosylation, the protein migrates to 95-115 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 > 90% as determined by HPLC

Formulation and Storage

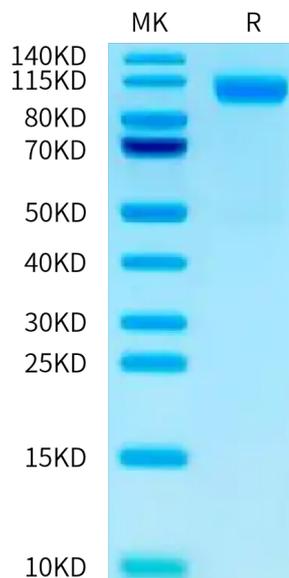
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

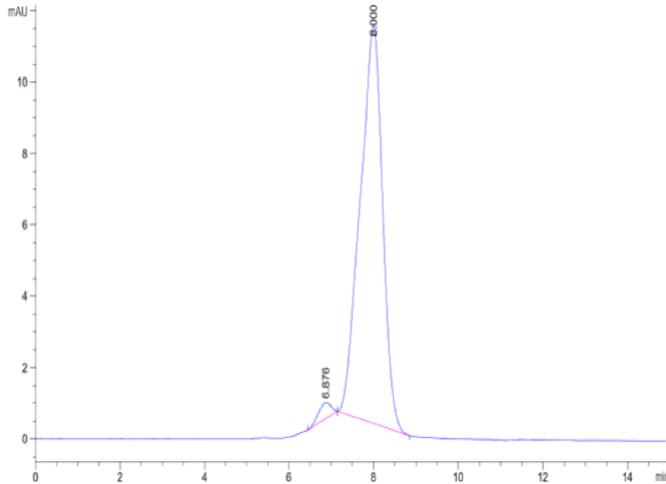
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

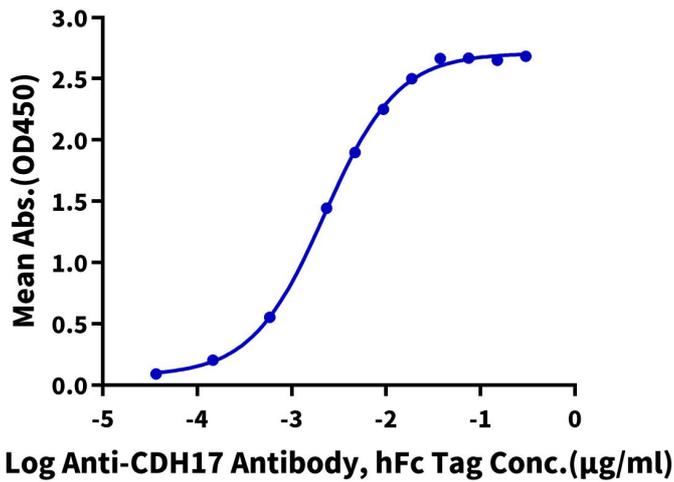


The purity of Cynomolgus CDH17 is greater than 90% as determined by SEC-HPLC.

ELISA Data

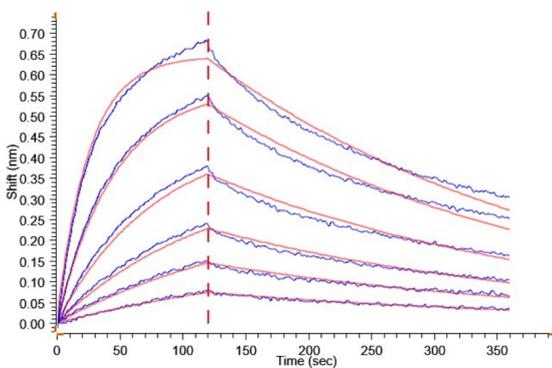
Cynomolgus CDH17, His Tag ELISA

0.1µg Cynomolgus CDH17, His Tag Per Well



Immobilized Cynomolgus CDH17, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 2.2 ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Anti-CDH17 Ab., hFc-Avi Tag on ProA-Biosensor can bind Cynomolgus CDH17, His Tag with an affinity constant of 9.78 nM as determined in BLI assay .