

Human CDH17/Cadherin 17 Domain 1 Protein

Cat. No. CDH-HM31D

Description

Source	Recombinant Human CDH17/Cadherin 17 Domain 1 Protein is expressed from HEK293 with mFc (IgG2a) tag at the C-terminus. It contains Gln23-Gln128.
Accession	Q12864
Molecular Weight	The protein has a predicted MW of 38.29 kDa. Due to glycosylation, the protein migrates to 43-53 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 >95% as determined by HPLC

Formulation and Storage

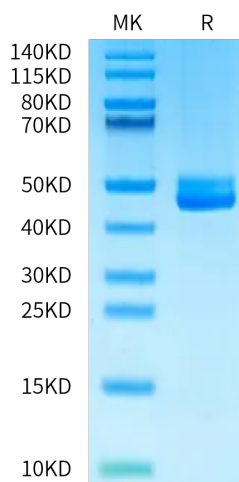
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

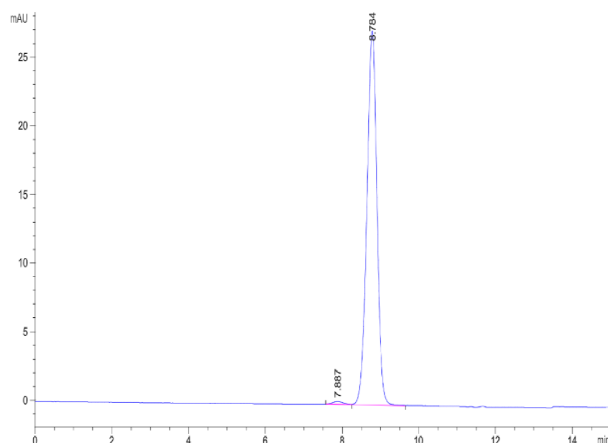
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



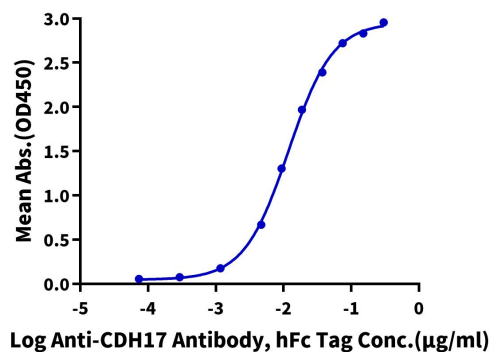
The purity of Human CDH17 Domain 1 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human CDH17 Domain 1, mFc Tag ELISA

0.05µg Human CDH17 Domain 1, mFc Tag Per Well



Immobilized Human CDH17 Domain 1, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 11.8ng/ml determined by ELISA (QC Test).