Human CDH17/Cadherin 17 Protein

Cat. No. CDH-HM217

Description

Source	Recombinant Human CDH17/Cadherin 17 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gln23-Met787.
Accession	Q12864
Molecular Weight	The protein has a predicted MW of 111.73 kDa. Due to glycosylation, the protein migrates to 113-135 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

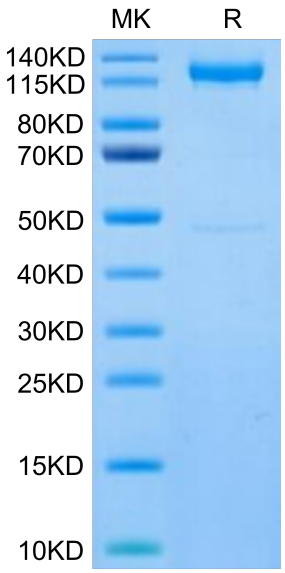
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

SEC-HPLC

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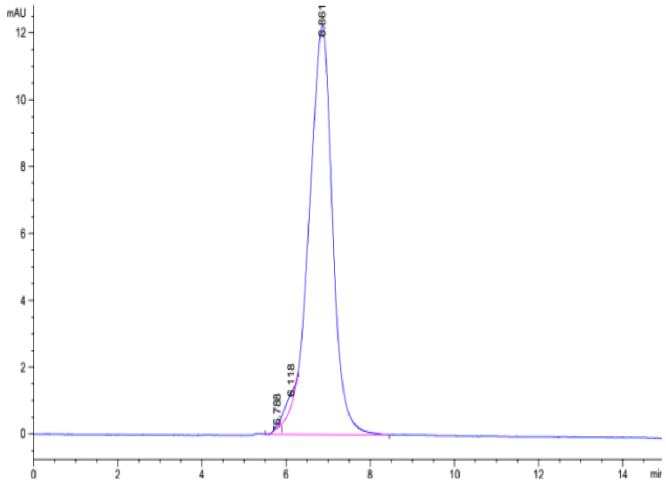
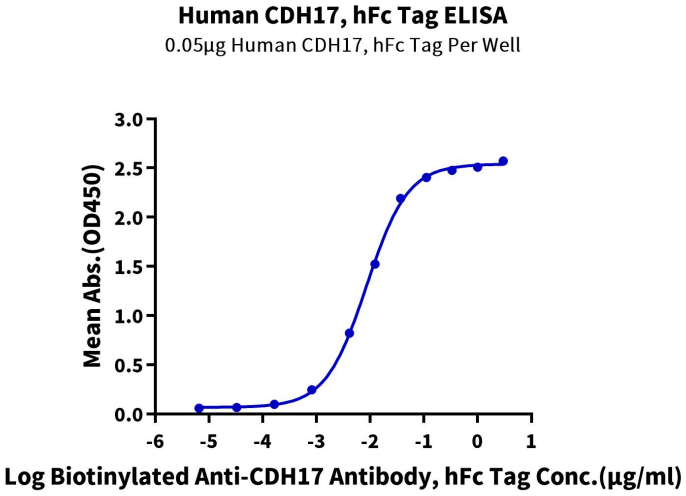
Assay Data



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

ELISA Data



Immobilized Human CDH17, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Antibody, hFc Tag with the EC50 of 8.6ng/ml determined by ELISA.