Human CDH17/Cadherin 17 Domain 1-6 Protein

Cat. No. CDH-HM1D1

Description

Source	Recombinant Human CDH17/Cadherin 17 Domain 1-6 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln23-Leu667.
Accession	Q12864
Molecular Weight	The protein has a predicted MW of 72.90 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

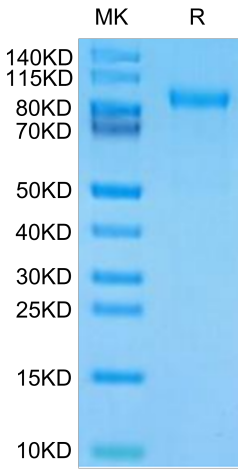
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0).. Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

Tris-Bis PAGE



Human CDH17 Domain 1-6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CDH17/Cadherin 17 Domain 1-6 Protein

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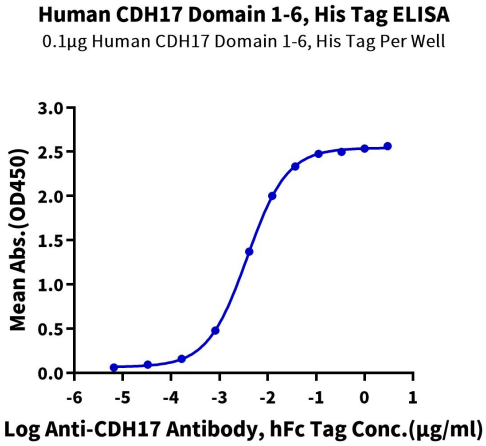
Assay Data



Immobilized Human CDH17 Domain 1-6, His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Anti-CDH17 Anitibody, hFc Tag with the EC50 of 3.7ng/ml determined by ELISA.