Rhesus macaque CDH17/Cadherin 17 Protein

Cat. No. CDH-RM117

Description

Source	Recombinant Rhesus macaque CDH17/Cadherin 17 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln23-Thr784.
Accession	A0A1D5R2B4
Molecular Weight	The protein has a predicted MW of 85.60 kDa. Due to glycosylation, the protein migrates to 90-110 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

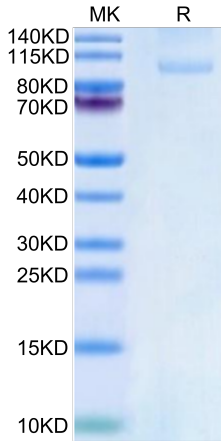
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized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

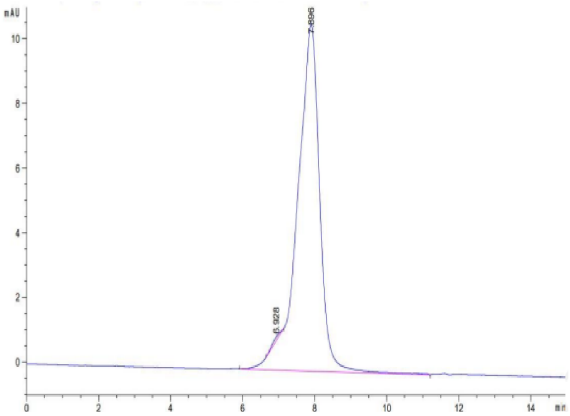
Assay Data

Bis-Tris PAGE



Rhesus macaque CDH17 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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

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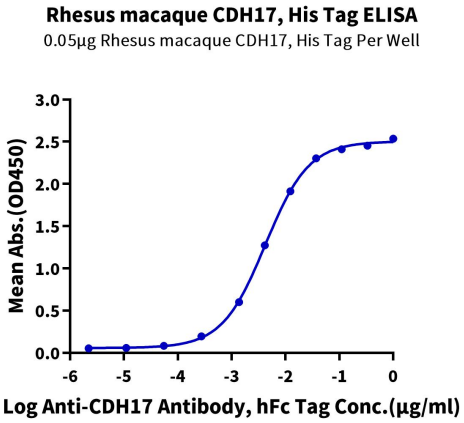
Assay Data

ELISA Data



Immobilized Rhesus macaque CDH17, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 4.2ng/ml determined by ELISA.