Human CDH17/Cadherin 17 Domain 7 Protein

Cat. No. CDH-HM37D

Description

Source	Recombinant Human CDH17/Cadherin 17 Domain 7 Protein is expressed from HEK293 with mFc (IgG2a) tag at the C-terminus.
	It contains Ala668-Met787.
Accession	Q12864
Molecular Weight	The protein has a predicted MW of 39.54 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

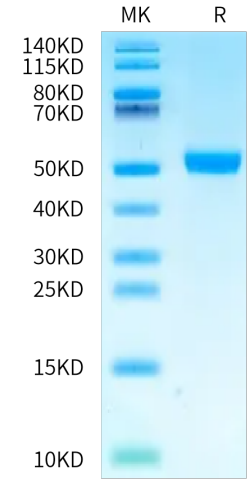
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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



Human CDH17 Domain 7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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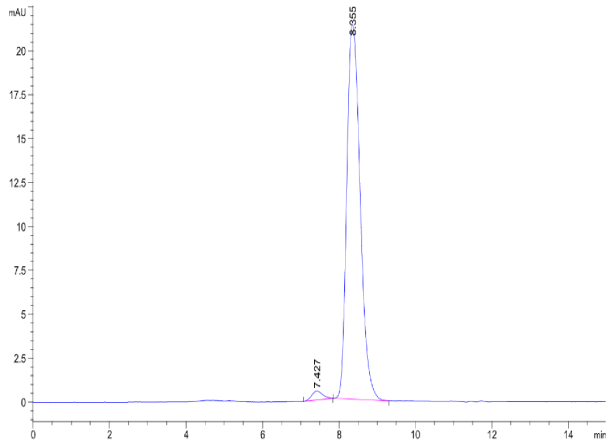
Assay Data



The purity of Human CDH17 Domain 7 is greater than 95% as determined by SEC-HPLC.

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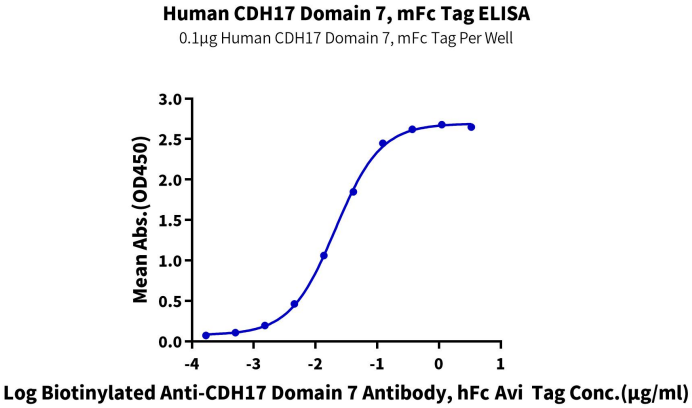
Assay Data

ELISA Data



Immobilized Human CDH17 Domain 7, mFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Domain 7 Antibody, hFc Avi Tag with the EC50 of 21.4ng/ml determined by ELISA.