

Human CDH16/Cadherin 16 Protein, Ultra Low Endotoxin



Cat. No. CDH-HM126-UL

Description	
Source	Recombinant Human CDH16/Cadherin 16 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Lys19-Ala786.
Accession	O75309-1
Molecular Weight	The protein has a predicted MW of MW 84.37 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 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 50mM Tris, 100mM NaCl (pH 8.0). 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	
Cadherin (CDH)16/kidney-specific-cadherin was first described as a kidney-specific adhesion molecule and thereafter found expressed also in the thyroid gland. CDH16 is a thyroid-selective and hormone-dependent adhesion protein that might play a role during thyroid development and that may be a useful marker to monitor thyroid carcinomas.	

Assay Data

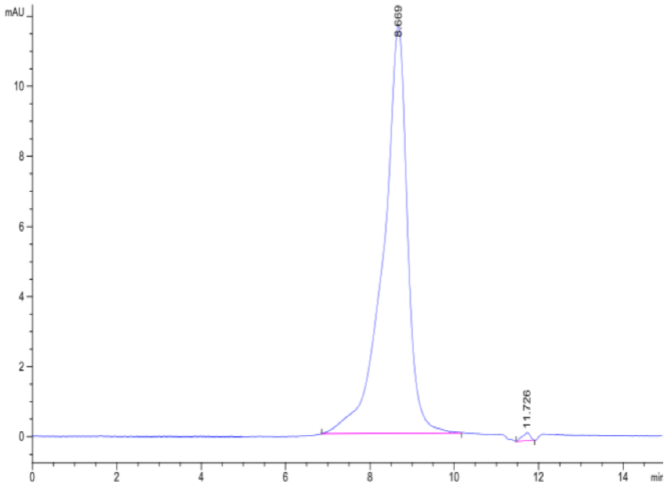
Bis-Tris PAGE



Human CDH16 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

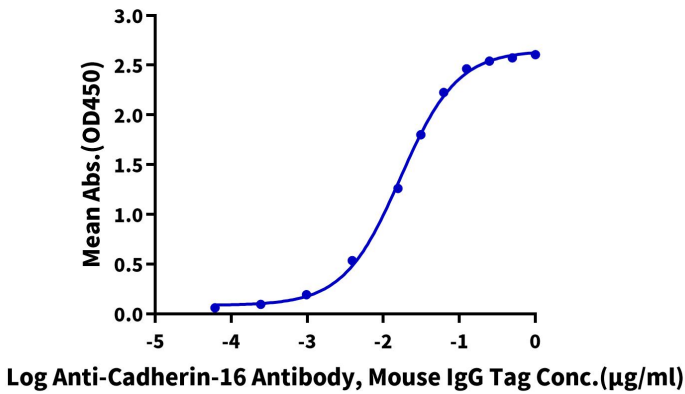
Assay Data



The purity of Human CDH16 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CDH16, His Tag ELISA
0.05µg Human CDH16, His Tag Per Well



Immobilized Human CDH16, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDH16 Antibody, Mouse IgG Tag with the EC50 of 16.8ng/ml determined by ELISA (QC Test).