Cynomolgus CDH3/Cadherin 3 Protein

Cat. No. CDH-CM103

Description

Source	Recombinant Cynomolgus CDH3/Cadherin 3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asp108-Gly654.
Accession	XP_005592414.1
Molecular Weight	The protein has a predicted MW of 61.11 kDa. Due to glycosylation, the protein migrates to 70-80 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

Formulation and Storage

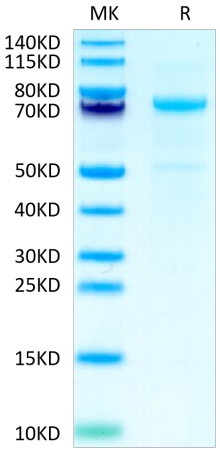
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

Placental-Cadherin (CDH3), a cell adhesion molecule, is associated with the function of cells to bind with other cells and the extracellular matrix (ECM). CDH3 is highly expressed in many malignancies, and has been proved it could be a serum marker to monitor colorectal cancer. Inhibited CDH3 expression could upregulate E-cadherin, downregulated N-cadherin, which may control invasion and migration.

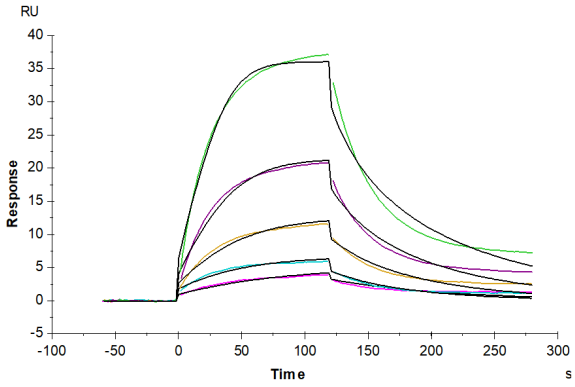
Assay Data

Bis-Tris PAGE



Cynomolgus CDH3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Anti-CDH3 Antibody captured on CM5 Chip via Protein A can bind Cynomolgus CDH3, His Tag with an affinity constant of 0.37 μM as determined in SPR assay (Biacore T200).