

Cynomolgus CDH6/Cadherin-6 Protein

Cat. No. CDH-CM106

Description

Source	Recombinant Cynomolgus CDH6/Cadherin-6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr22-Gly614.
Accession	G7MUQ7
Molecular Weight	The protein has a predicted MW of 67.10 kDa. Due to glycosylation, the protein migrates to 75-95 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 > 95% as determined by HPLC

Formulation and Storage

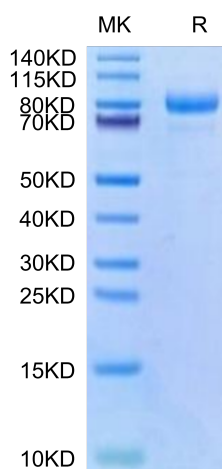
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized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

Cadherin 6 (CDH6) is an adhesion molecule localizing to the endometrial luminal epithelial cell surface in the mid-secretory/receptive phase and knockdown of CDH6 in the Ishikawa cells (receptive endometrial epithelial cell line) compromises cell integrity.

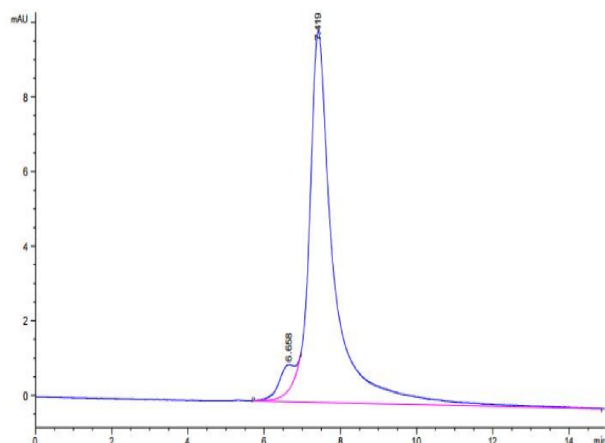
Assay Data

Tris-Bis PAGE



Cynomolgus CDH6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



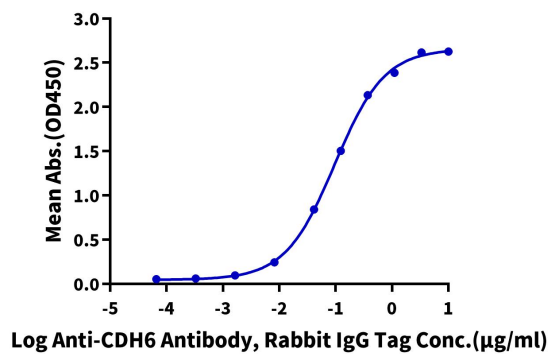
The purity of Cynomolgus CDH6 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus CDH6, His Tag ELISA

0.2µg Cynomolgus CDH6, His Tag Per Well



Immobilized Cynomolgus, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CDH6 Antibody, Rabbit IgG Tag with the EC50 of 96.4ng/ml determined by ELISA.