

Rev03
Update: Aug,08,2025

DATASHEET

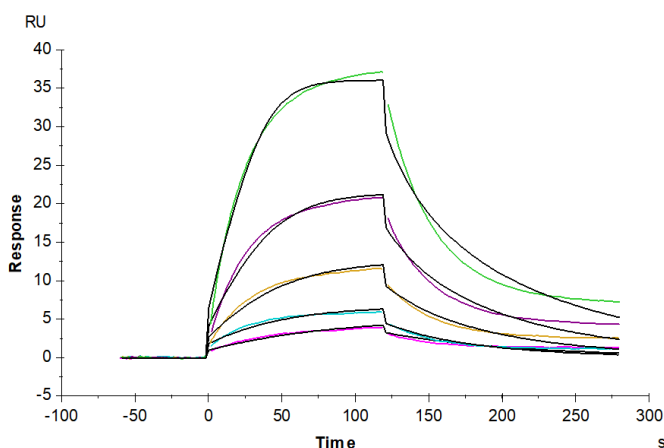
CDH3/Cadherin 3, His, Cynomolgus

Cat. No.: Z04764

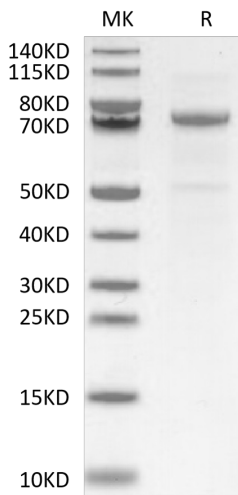
Product Introduction

Species	Cynomolgus
Protein Construction	CDH3/Cadherin 3 (Asp108-Gly654) Accession # XP_005592414.1 His N-termC-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	AntiCDH3 Antibody captured on CM5 Chip via Protein A can bind CDH3/Cadherin 3, His, Cynomolgus in SPR assay (Biacore T200). Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	61.11 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in 20mM PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



Anti-CDH3 Antibody captured on CM5 Chip via Protein A can bind CDH3/Cadherin 3, His, Cynomolgus, His Tag with an affinity constant of 0.37 µM as determined in SPR assay (Biacore T200).



CDH3/Cadherin 3, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Background

Target 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.

Synonyms : Cadherin-3; Placental cadherin; P-cadherin; CDH3; CDHP; HJMD; PCAD; PCADP-cadherin; CAD3

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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