

Cadherin-3 Protein, Cynomolgus (547a.a, HEK293, His)

Cat. No.:	HY-P700974
Synonyms:	Cadherin-3; Placental cadherin; P-cadherin; CDH3; CDHP; HJMD; PCAD; PCADP-cadherin; CAD3
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005592414.1 (D108-G654)
Gene ID:	102142204
Molecular Weight:	70-80 kDa

PROPERTIES

Biological Activity	Anti-CDH3 Antibody captured on CM5 Chip via Protein A can bind Cynomolgus CDH3, His Tag with an affinity constant of 0.37 μ M as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 μ m filtered solution in 20mM PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Cadherin-9, a calcium-dependent cell adhesion protein, operates as part of the intricate network of cellular interactions. Displaying calcium-dependent adhesion, cadherins like CDH9 exhibit a preference for homophilic interactions, engaging with themselves in connecting cells. This distinctive feature positions cadherins to potentially play a role in the sorting of heterogeneous cell types. The calcium-dependent mechanism underscores the regulatory role of cadherins in cellular cohesion and organization within intercellular junctions, contributing to the overall maintenance of tissue integrity and function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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