

Human Nectin-4 Protein IgV Domain

Cat. No. NEC-HM414

Description

Source	Recombinant Human Nectin-4 Protein IgV Domain is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly32-Leu146.
Accession	Q96NY8-1
Molecular Weight	The protein has a predicted MW of 15.8 kDa. Due to glycosylation, the protein migrates to 16-20 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

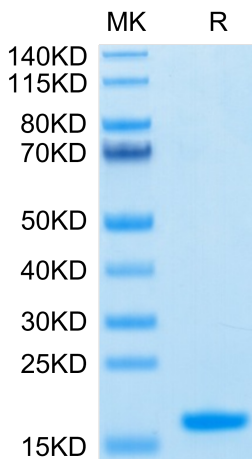
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

Nectin-4 seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Does not act as receptor for alpha-herpesvirus entry into cells.(Microbial infection) Acts as a receptor for measles virus.

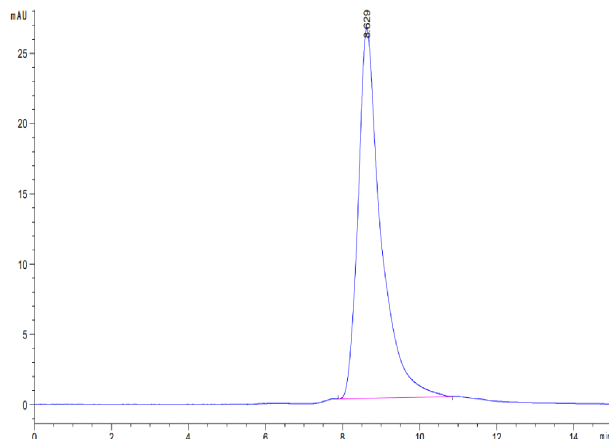
Assay Data

Tris-Bis PAGE



Human Nectin-4 IgV Domain on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



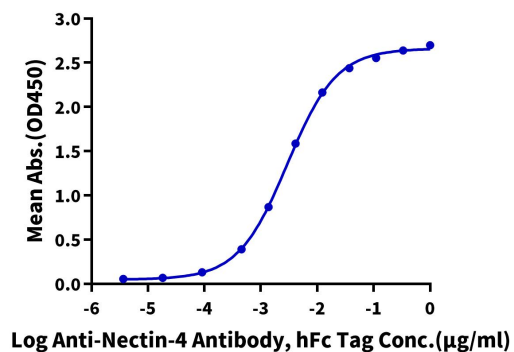
The purity of Human Nectin-4 IgV Domain is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human Nectin-4 IgV Domain, His Tag ELISA

0.1µg Human Nectin-4 IgV Domain, His Tag Per Well



Immobilized Human Nectin-4 IgV Domain, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Nectin-4 Antibody, hFc Tag with the EC50 of 3.0ng/ml determined by ELISA.