

# Biotinylated Human Nectin-4 Protein

Cat. No. NEC-HM404B

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Biotinylated Human Nectin-4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Gly32-Val351. |
| <b>Accession</b>        | Q96NY8  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 37.2 kDa. Due to glycosylation, the protein migrates to 46-48 kDa based on Tris-Bis PAGE result.                |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

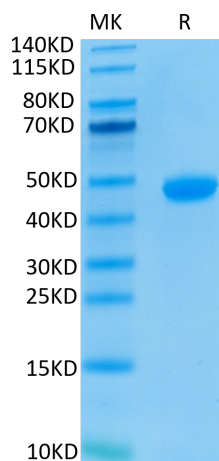
|                       |  |
|-----------------------|--|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.   |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration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

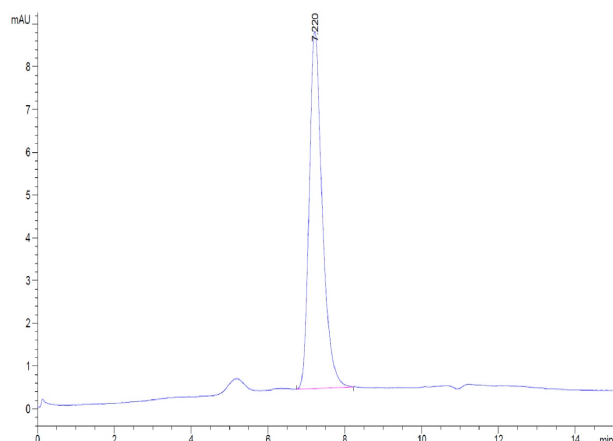
## Assay Data

### Tris-Bis PAGE



Biotinylated Human Nectin-4 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC



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

# Biotinylated Human Nectin-4 Protein

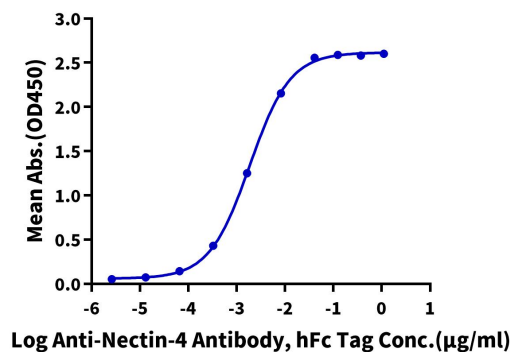
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## Assay Data

### ELISA Data

#### Biotinylated Human Nectin-4, His Tag ELISA

0.05 $\mu$ g Biotinylated Human Nectin-4, His Tag Per Well



Immobilized Biotinylated Human Nectin-4, His Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/well) on the streptavidin precoated plate (5 $\mu$ g/ml). Dose response curve for Anti-Nectin-4 Antibody, hFc Tag with the EC50 of 1.9ng/ml determined by ELISA.