



## Synonym

NECTIN4, LNIR, PRR4, PVRL4

## Source

Human Nectin-4, Fc Tag (NE4-H5255) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 349 (Accession # [Q96NY8-1](#)).

Predicted N-terminus: Gly 32

## Molecular Characterization

Nectin-4(Gly 32 - Ser 349)	Fc(Pro 100 - Lys 330)
Q96NY8-1	P01857

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 60.5 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.1 EU per  $\mu$ g by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

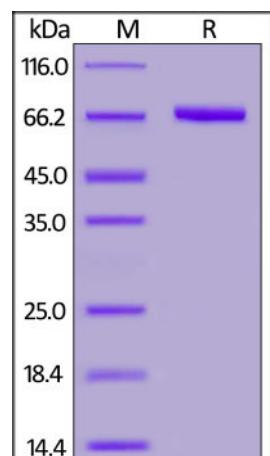
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

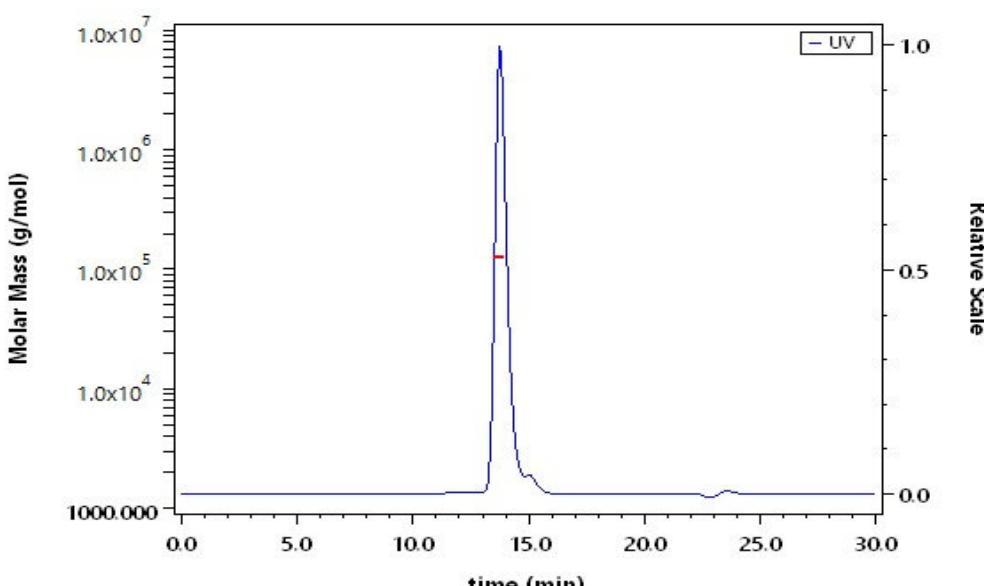
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human Nectin-4, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## SEC-MALS



The purity of Human Nectin-4, Fc Tag (Cat. No. NE4-H5255) is more than 95% and the molecular weight of this protein is around 117-143 kDa verified by SEC-MALS.

[Report](#)

## Bioactivity-ELISA

Discounts, Gifts,  
and more!

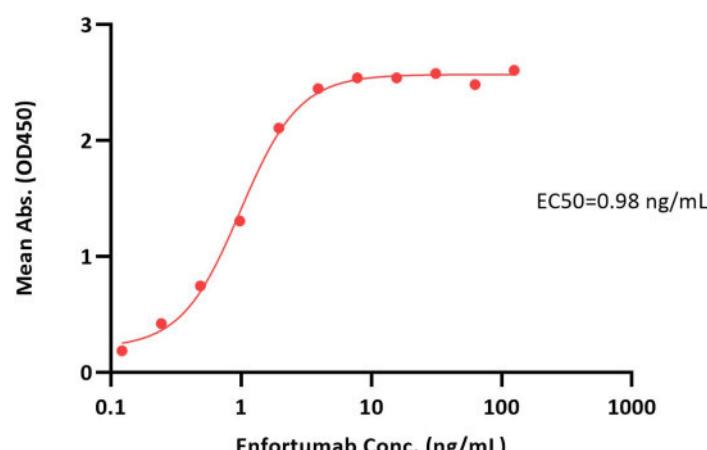


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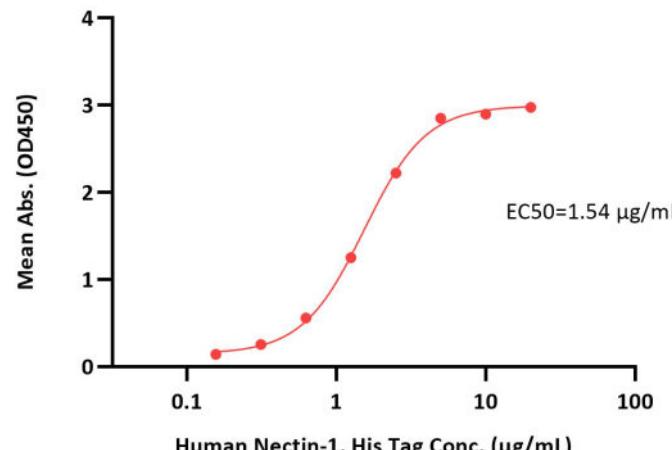
## Human Nectin-4, Fc Tag ELISA

0.1 µg of Human Nectin-4, Fc Tag per well



## Human Nectin-4, Fc Tag ELISA

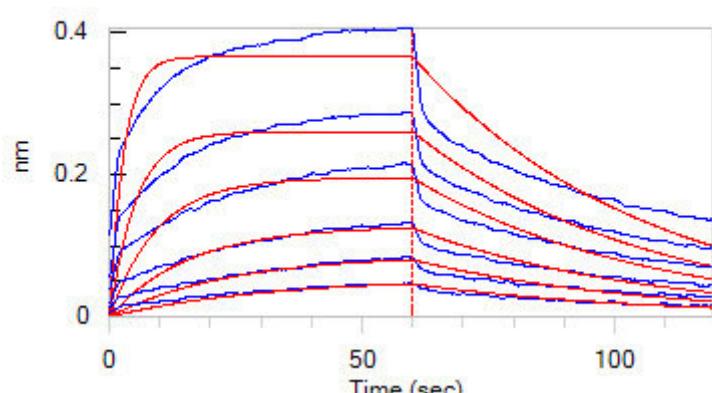
0.5 µg of Human Nectin-4, Fc Tag per well



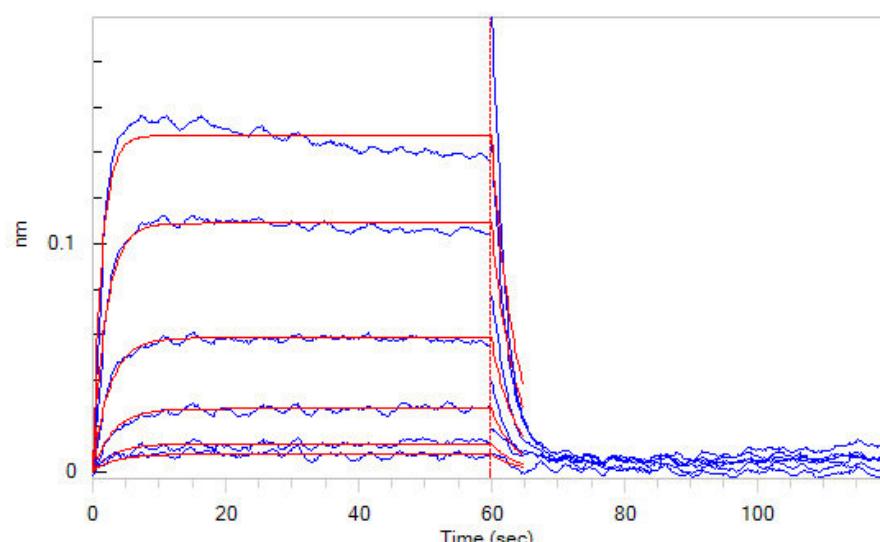
Immobilized Human Nectin-4, Fc Tag (Cat. No. NE4-H5255) at 1 µg/mL (100 µL/well) can bind Enfortumab with a linear range of 0.1-2 ng/mL (QC tested).

Immobilized Human Nectin-4, Fc Tag (Cat. No. NE4-H5255) at 5 µg/mL (100 µL/well) can bind Human Nectin-1, His Tag (Cat. No. PV1-H5223) with a linear range of 0.2-3 µg/mL (QC tested).

## Bioactivity-BLI



Loaded Human Nectin-4, Fc Tag (Cat. No. NE4-H5255) on Protein A Biosensor, can bind Human Nectin-1, His Tag (Cat. No. PV1-H5223) with an affinity constant of 0.263 µM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).



Loaded Human Nectin-1, His Tag (Cat. No. PV1-H5223) on HIS1K Biosensor, can bind Human Nectin-4, Fc Tag (Cat. No. NE4-H5255) with an affinity constant of 2 µM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

## Background

Nectin-4 (gene name PVRL4, poliovirus receptor-like 4) is a 66 kDa type I transmembrane glycoprotein belonging to the Nectin family of Ig superfamily proteins. Nectins are cell adhesion molecules that play a key role in various biological processes such as polarity, proliferation, differentiation and migration, for epithelial, endothelial, immune and neuronal cells, during development and adult life. Nectin-4 is a tumor-associated antigen in 50%, 49% and 86% of breast, ovarian and lung carcinomas, respectively, mostly on tumors of bad prognosis. Its expression is not detected in the corresponding normal tissues.

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