

Human Nectin-4 Protein, Mouse IgG2a Fc Tag (MALS verified)

Catalog # NE4-H5253



Synonyms

NECTIN4, LNIR, PRR4, PVRL4

Source

Human Nectin-4 Protein, Mouse IgG2a Fc Tag (NE4-H5253) 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) Q96NY8-1	mFc(Glu 98 - Lys 330) P01863
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This protein carries a mouse IgG2a Fc tag at the C-terminus.

The protein has a calculated MW of 61.0 kDa. The protein migrates as 60-70 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please avoid repeated freeze-thaw cycles.

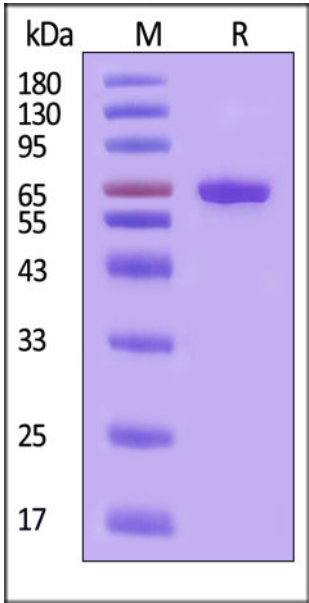
This product is stable after storage at:

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

ACRO Quality Management System

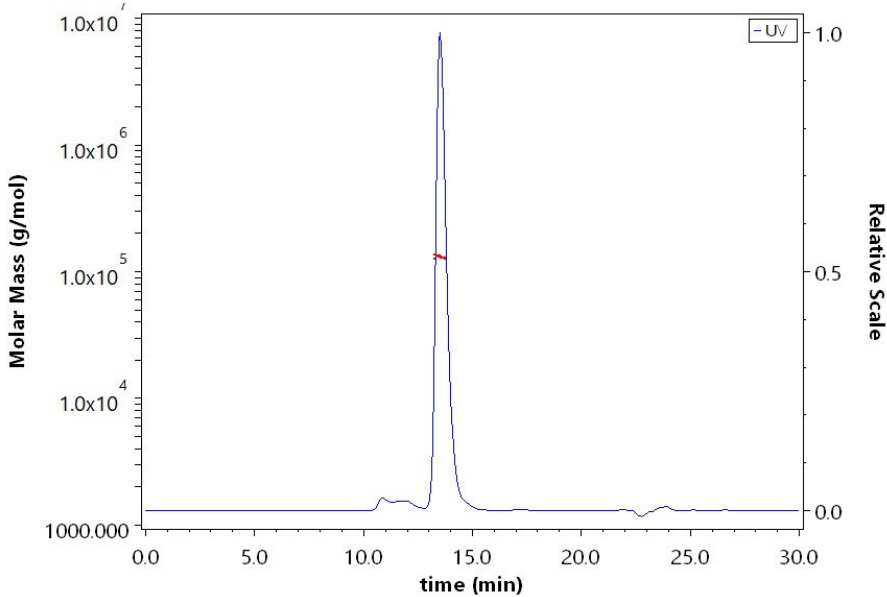
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



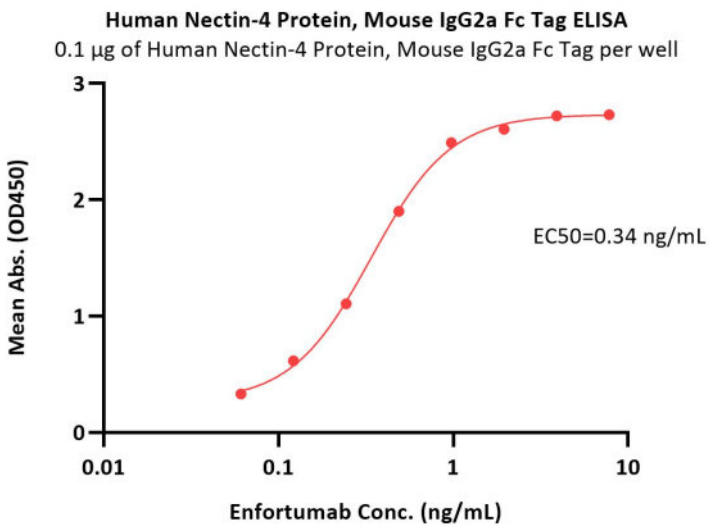
Human Nectin-4 Protein, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human Nectin-4 Protein, Mouse IgG2a Fc Tag (Cat. No. NE4-H5253) is more than 90% and the molecular weight of this protein is around 120-150 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human Nectin-4 Protein, Mouse IgG2a Fc Tag (Cat. No. NE4-H5253) at 1 µg/mL (100 µL/well) can bind Enfortumab with a linear range of 0.06-1 ng/mL (QC tested).

Background

Nectin-4(Nectin cell adhesion molecule 4) is a Nectin and nectin-like family of cell adhesion molecules. It is found in high levels in normal embryonic and fetal tissues, but decreases after adulthood and is limited in distribution in healthy tissues. Nectin-4 is overexpressed in a variety of tumor cells and promotes tumor cell growth and proliferation. Solid tumors with high expression of Nectin-4 include bladder cancer, pancreatic cancer, triple negative breast cancer, non-small cell lung cancer, stomach cancer, esophageal cancer, ovarian cancer and many other cancers. Studies have found that Nectin-4 promotes tumor cell proliferation, differentiation, migration and invasion by activating the PI3K/Akt pathway, and is believed to play an important role in the occurrence and metastasis of cancer. It is based on these research backgrounds that drug research targeting this target has emerged.



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