Human Nectin-2/CD112 Protein

Cat. No. NEC-HM002

Description

Source	Recombinant Human Nectin-2/CD112 Protein is expressed from HEK293 without tag.
	It contains Gln32-Leu360.
Accession	Q92692-2
Molecular Weight	The protein has a predicted MW of 35.54 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

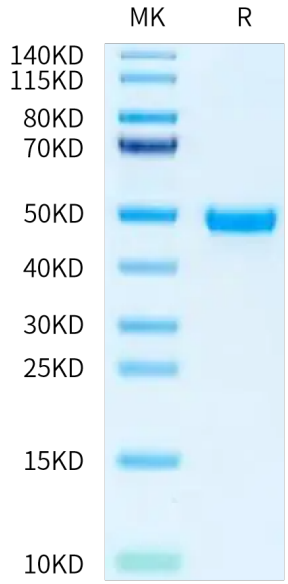
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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-2 is an adhesion molecule that has been reported to play a role in tumor growth, metastasis and tumor angiogenesis. Nectin-2 expression in ovarian cancer may support tumor cell adhesion, leading to growth and lymph node metastasis. Effect of VEGF on Nectin-2 expression as well as permeability was investigated in HUVEC.

Assay Data

Bis-Tris PAGE



Human Nectin-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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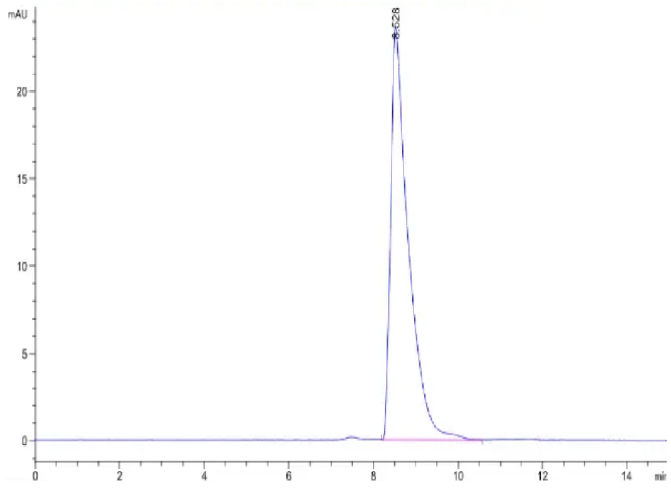
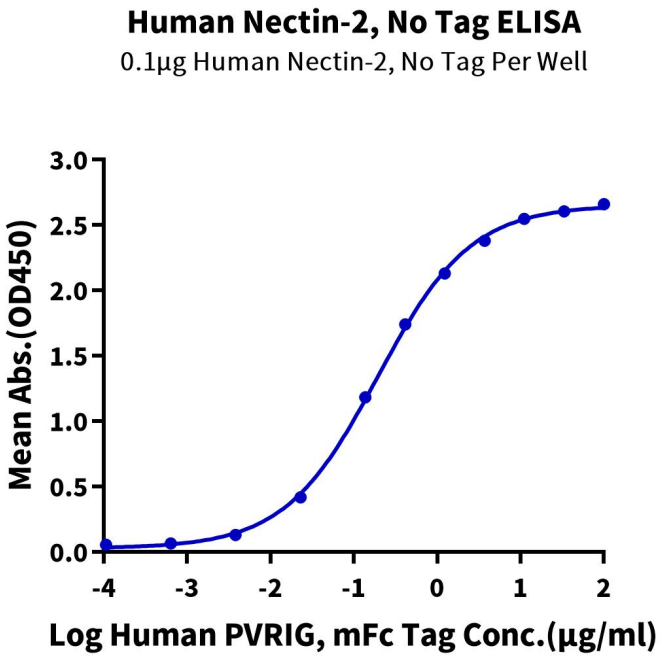
Assay Data



The purity of Human Nectin-2 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human Nectin-2, No Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human PVRIG, mFc Tag with the EC50 of 0.19μg/ml determined by ELISA.