

Biotinylated Human Nectin-2/CD112 Protein

Cat. No. NEC-HM402B

Description

Source	Recombinant Biotinylated Human Nectin-2/CD112 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln32-Leu360.
Accession	Q92692
Molecular Weight	The protein has a predicted MW of 38.4 kDa. Due to glycosylation, the protein migrates to 45-50 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 and 0.01% tween 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. -20 to -80°C for 3-6 months in unopened state 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

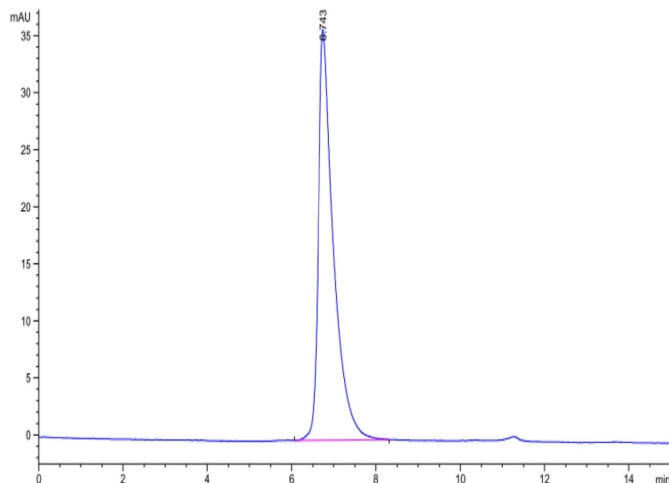
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

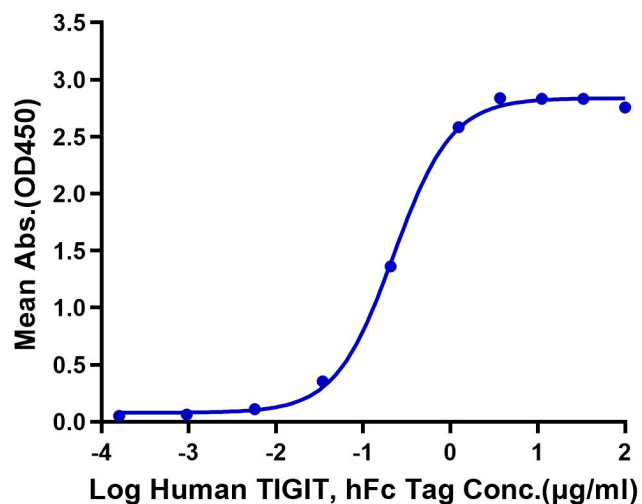


The purity of Biotinylated Human Nectin-2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human Nectin-2, His Tag ELISA

0.1µg Biotinylated Human Nectin-2, His Tag Per Well



Immobilized Biotinylated Human Nectin-2, His Tag at 1µg/ml (100µl/Well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human TIGIT, hFc Tag with the EC50 of 0.22µg/ml determined by ELISA.