

Biotinylated Recombinant Human Nectin-2/CD112 Protein

Catalog No.: RP00383B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5819	Q92692-2

Tags

C-His&Avi

Synonyms

CD112; MPH; Nectin2; PRR2; PVRL2; HVEB; PVRR2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose and 0.01% tween is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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.

Basic Information

Description

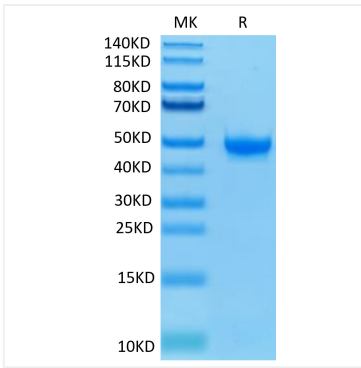
Biotinylated Recombinant Human Nectin-2/CD112 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln32-Leu360) of Human Nectin-2/CD112 (Accession #Q92692-2) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

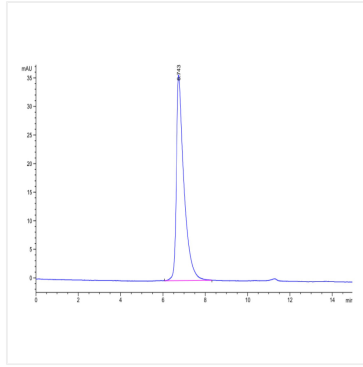
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

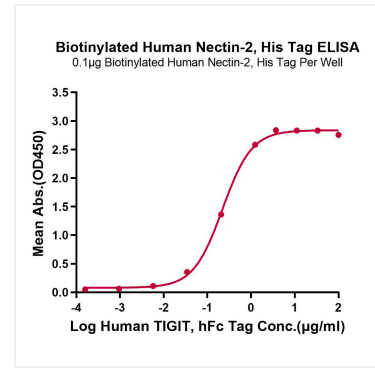
Validation Data



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



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



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