Recombinant Human Nectin-2/PVRL2/CD112 Protein

Catalog No.: RP00383

Sequence Information

Species
Human

Gene ID
5819

Swiss Prot
Q92692-2

Tags
C-His&Avi

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
38.4 kDa

Observed MW
45-52 kDa

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 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description
Recombinant Human Nectin-2/PVRL2/CD112 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln32-Leu360) of Human Nectin-2/PVRL2/CD112 (Accession #Q92692-2) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

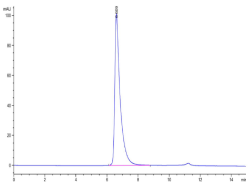
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

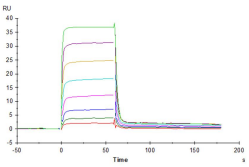
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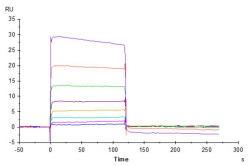
Validation Data



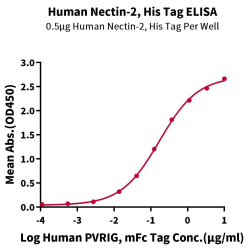
The purity of Human Nectin-2 is greater than 95% as determined by SEC-HPLC.



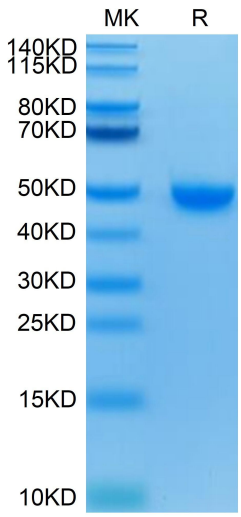
Human PVRIG, mFc Tag captured on CM5 Chip via anti-mouse antibody can bind Human Nectin-2, His Tag with an affinity constant of 0.349 μM as determined in SPR assay (Biacore T200).



Human TIGIT, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human Nectin-2, His-Avi Tag with an affinity constant of 1.84 μM as determined in SPR assay (Biacore T200).



Immobilized Human Nectin-2, His Tag at 5 μg/mL (100 μL/well) on the plate. Dose response curve for Human PVRIG, mFc Tag with the EC_{50} of 0.17 μg/mL determined by ELISA (QC Test).



Recombinant Human Nectin-2/PVRL2/CD112 Protein was determined by Tris-Bis PAGE under reducing conditions.