Recombinant Human Nectin-2/PVRL2/CD112 Protein

Catalog No.: RP01346

Sequence Information

Species
Human

Gene ID
5819

Swiss Prot
Q92692-2

Tags
C-hFc&His

Synonyms
CD112, HVEB, PRR2, PVRL2, PVRR2,NECTIN2,HVEB,PRR2, PVRL2,PVRR2,nectin-2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
62.03 kDa

Observed MW
70-80 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

Cluster of Differentiation 112 (CD112), also known as poliovirus receptor related protein 2 (PVRL2 or PRR2), is a single-pass type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily. CD112 protein also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and thus is involved in cell to cell spreading of these viruses. CD112 protein has been identified as the ligand for DNAM-1 (CD226), and the interaction of CD226/CD112 protein can induce NK cell- and CD8+?T cell-mediated cytotoxicity and cytokine secretion. CD112 has been regarded as a critical component in allergic reactions, and accordingly may function as a novel target for anti-allergic therapy.

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/CD112/PVRL2 (Accession #NP_002847.1) fused with Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CD112(Catalog #RP01346) at 1 μg/mL (100 μL/well) can bind Human CD226 (Catalog #RP00283) with a linear range of 1.37-81.11 ng/mL.

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℃

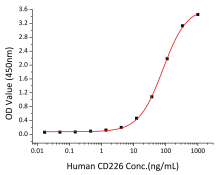
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

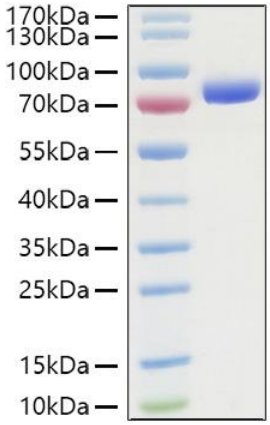
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Human CD112(Catalog #RP01346) at 1 μg/mL (100 μL/well) can bind Human CD226 (Catalog #RP00283) with a linear range of 1.37-81.11 ng/mL.



Recombinant Human Nectin-2/PVRL2/CD112 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.