

Mouse CD112 / Nectin-2 / PVRL2 Protein (His Tag)

Catalog Number: 50318-M08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

AI325026; AI987993; Cd112; MPH; nectin-2; Pvr; Pvs

Protein Construction:

A DNA sequence encoding the mouse PVRL2 (NP_033016.3) extracellular domain (Met 1-Gly 351) was fused with a polyhistidine tag at the C-terminus.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 98 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA. 1. Immobilized mouse CD112-His (Cat: 50318-M08H) at 10 µg/ml (100 µl/well) can bind biotinylated mouse DNAM1-His (Cat: 50232-M08H) with a linear range of 0.156-5.0 µg/ml. 2. Immobilized mouse CD112-His (Cat: 50318-M08H) at 10 µg/ml (100 µl/well) can bind mouse DNAM1-Fc (Cat: 50232-M03H) with a linear range of 0.03-1.0 µg/ml.

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Gln 32

Molecular Mass:

The secreted recombinant mouse PVRL2 comprises 331 amino acids with a predicted molecular mass of 36 kDa. As a result of glycosylation, it migrates as an approximately 40-45 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

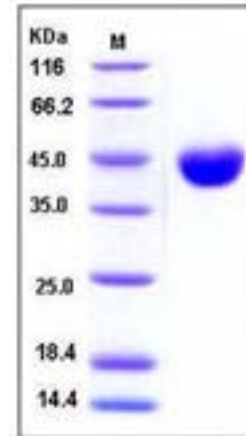
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

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For US Customer: Fax: 267-657-0217 • Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>