

Datasheet for ABIN4949138

nectin-3 Protein (AA 58-400) (Fc Tag)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	nectin-3 (NECTIN3)
Protein Characteristics:	AA 58-400
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This nectin-3 protein is labelled with Fc Tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 58-400
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 64.3 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	nectin-3 (NECTIN3)
---------	--------------------

Target Details

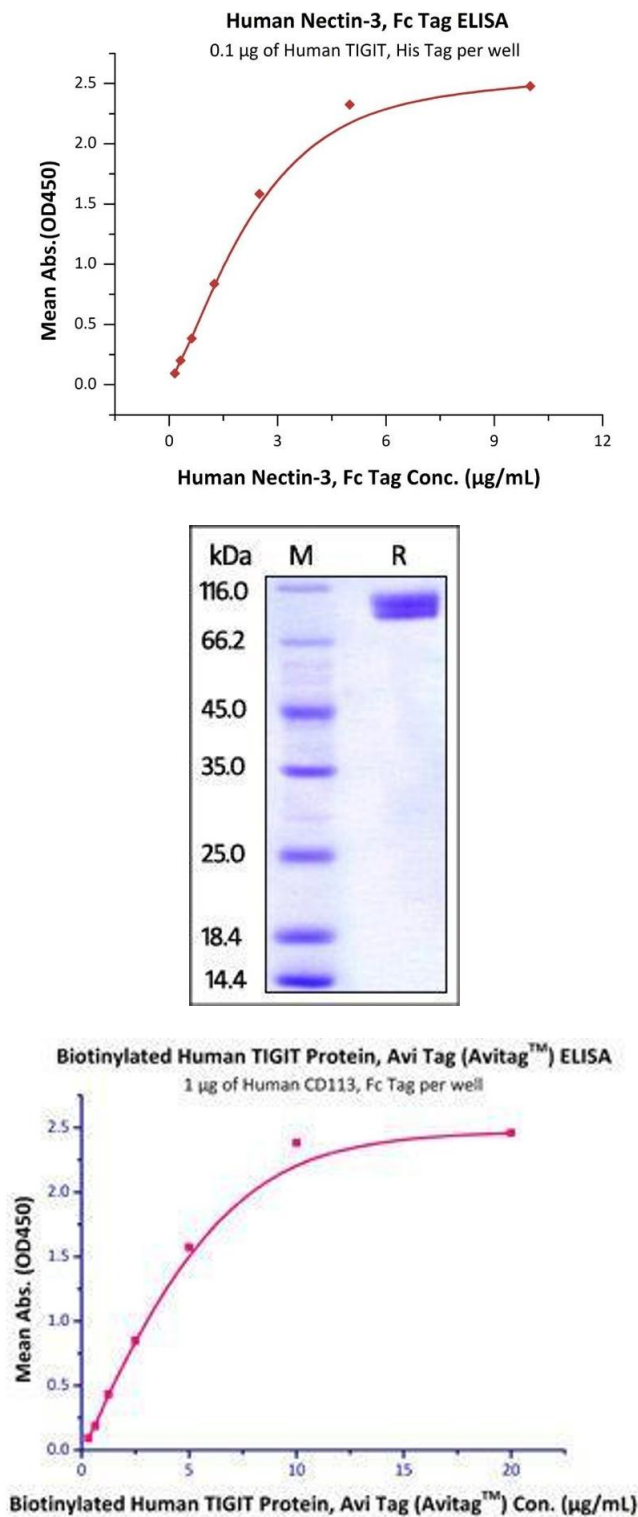
Alternative Name:	Nectin-3 (NECTIN3 Products)
Background:	Poliovirus receptor-related 3 (PVRL3), also known as nectin-3 and CD113, is a human protein of the immunoglobulin superfamily which forms part of adherens junctions. Nectins are immunoglobulin-like adhesion molecules that interact with afadin (AF6, MIM 159559). Afadin is an actin filament-binding protein that connects nectins to the actin cytoskeleton. The nectin-afadin system organizes adherens junctions cooperatively with the cadherin system in epithelial cells. PVRL3 plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Furthermore, PVRL3 induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation.
Molecular Weight:	64.3 kDa
UniProt:	Q9NQS3
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Human TIGIT, His Tag (ABIN2870700,ABIN6951023) at 1 µg/mL (100 µL/well) can bind Human Nectin-3, Fc Tag (ABIN4949138,ABIN4949139) with a linear range of 0.156-2.5 µg/mL (Routinely tested).

SDS-PAGE

Image 2. Human Nectin-3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Binding Studies

Image 3. Immobilized Human CD113, Fc Tag (Cat# PV3-H5255) at 10 µg/mL (100 µL/well) can bind Biotinylated Human TIGIT, His Tag with a linear range of 0.3-5 µg/mL.