

PRODUCT INFORMATION

C-Flag Tag Tag **Target** CLDN3

Synonyms C7orf1; CPE-R2; CPETR2; HRVP1; RVP1 Human CLDN3 full length protein-synthetic **Description**

nanodisc **Delivery** 3-4 weeks **Uniprot ID** 015551 **Expression Host HEK293**

Protein Families Druggable Genome, Transmembrane

Cell adhesion molecules (CAMs), Leukocyte **Protein Pathways** transendothelial migration, Tight junction

The human full length CLDN3 protein has a MW of **Molecular Weight**

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless

gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]

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Research use only **Usage** Conjugate Unconjugated

Background





ELISA assay to evaluate CLDN3-Nanodisc 0.2μg Human CLDN3-Nanodisc per well

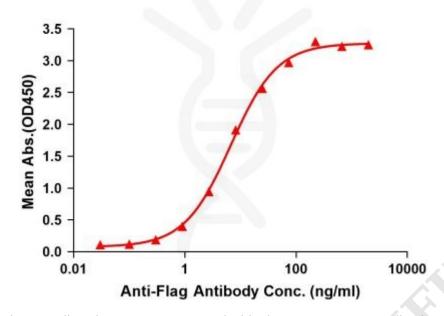


Figure 1. Elisa plates were pre-coated with Flag Tag CLDN3-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN3-Nanodisc is 6.725 ng/ml.



Figure 2. Human CLDN3-Nanodisc, Flag Tag on SDS-PAGE

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