

PRODUCT INFORMATION

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-printcommerce-print-products-public.php on line 2806 Tag

CL DN3 OAZON

Human CLDN2 full length protein-synthetic nanodisc

Delivery In Stock Uniprot ID P57739 HEK293 **Expression Host** Protein Families

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

Molecular Weigh

The human full length CLDN2 protein has a MW of 24.5 kDa
This protein belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in the in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene. Background

Exposition from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized form After reconstitution are shipped at ambient temperature. Formulation & Reconstitution

Usage Research use only Conjugate Unconjugated

ELISA assay to evaluate CLDN2-Nanodisc 0.2µg Human CLDN2-Nanodisc per well

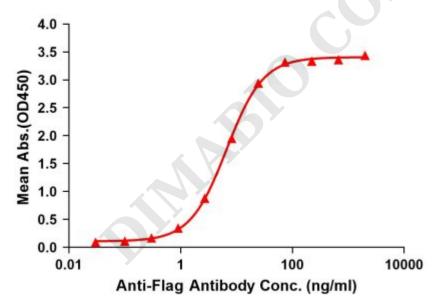


Figure 1. Elisa plates were pre-coated with Flag Tag CLDN2-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN2-Nanodisc is 6.681 ng/ml.

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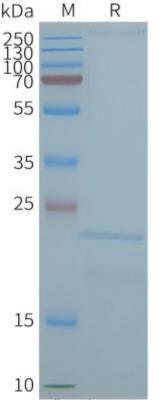


Figure 2. Human CLDN2-Nanodisc, Flag Tag on SDS-PAGE



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