

PRODUCT INFORMATION

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

CPE-R; CPETR; CPETR1; hCPE-R; WBSCR8 Human CLDN4 full length protein-synthetic nanodisc

Delivery Uniprot ID 014493 HEK293 **Expression Host**

Protein Families Druggable Genome, Transmembran

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

The human full length CLDN4 protein has a MW of 22.1 kDa

The protein belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens ent (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren a neurodevelopmental disorder affecting multiple systems.

Formulation & Reconstitution Lyophilized 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 proteins are shipped at ambient temperature. Storage & Shipping

Unconjugated Conjugate

ELISA assay to evaluate CLDN4-Nanodisc 0.2µg Human CLDN4-Nanodisc per well

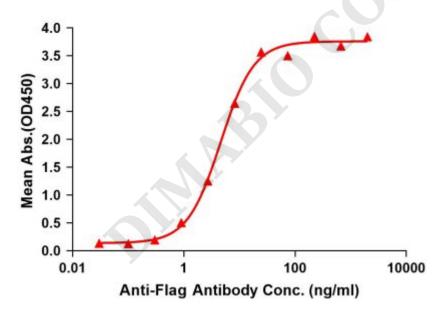


Figure 1. Elisa plates were pre-coated with Flag Tag CLDN4-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN4-Nanodisc is 4.607ng/ml.

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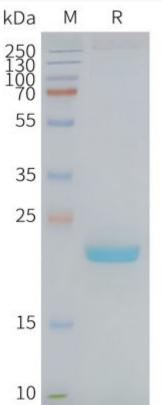


Figure 2. Human CLDN4-Nanodisc, Flag Tag on SDS-PAGE



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