

## **PRODUCT INFORMATION**

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 C-Flag Tag Tag

CLDN18.2 Claudin 18.2

Human CLDN18.2 full length protein-synthetic nanodisc

Delivery Uniprot ID P56856 HEK293 **Expression Host** Protein Families

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

Molecular Weigh The human full length CLDN18.2 Protein has a MW of 27.5 kDa

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. Formulation & Reconstitution

Storage & Shipping

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.

The protein encodes a member of the clausin framily. Claudins are integral membrane proteins and components of tight junction stands. Tight junction freezing the protein framework of the components of the protein framework of the components of tight junction from the protein framework of the components of tight junction from the protein framework of th

Usage Conjugate Unconjugated

## ELISA assay to evaluate CLDN18.2-Nanodisc 0.2µg Human CLDN18.2 Nanodisc per well

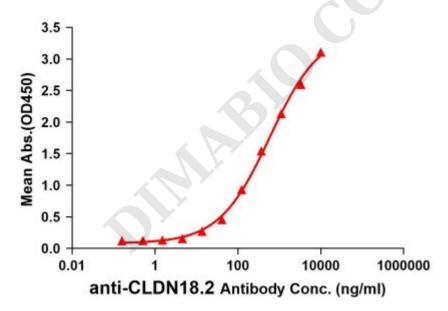


Figure 1. Elisa plates were added with Flag Tag CLDN18.2-Nanodisc ( $0.2\mu g/per$  well) on an anti-Flag monoclonal antibody pre-coated ( $0.2\mu g/per$  well) plate. Serial diluted anti- CLDN18.2 monoclonal antibody (BME100075) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti- CLDN18.2 monoclonal antibody binding with CLDN18.2-Nanodisc is 593.6ng/ml.

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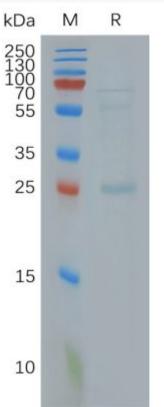


Figure 2. Human CLDN18.2-Nanodisc, Flag Tag on SDS-PAGE 曲线/拟合

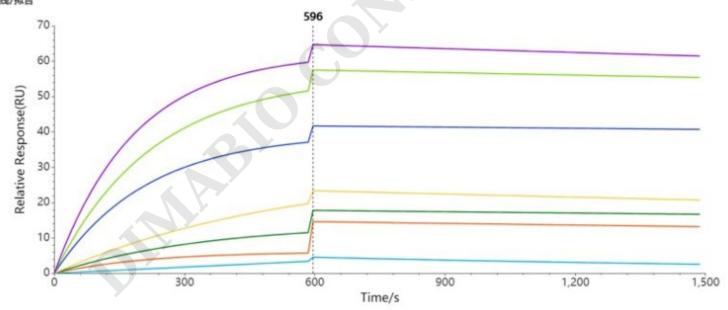


Figure 3. Human CLDN18.2-Nanodisc can bind Anti-CLDN18.2 antibody (BME100075) with an affinity constant of 1.619 nM as determined in a SPR assay.

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