

PRODUCT INFORMATION

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CLDN18 2 SFTA5; SFTPJ

Human CLDN18.2-Strep 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-Strep 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

Background

Research use only Unconjugated

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

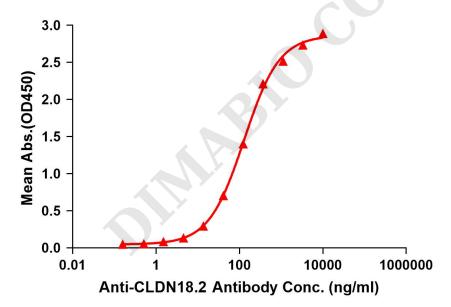


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag CLDN18.2-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-CLDN18.2 monoclonal antibody (BME100075) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CLDN18.2 monoclonal antibody binding with CLDN18.2-Strep-Nanodisc is 129.8ng/ml.

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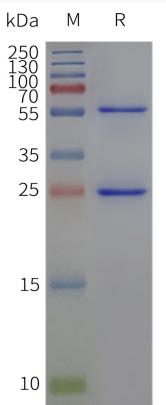


Figure 2. Human CLDN18.2-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

SPR assay to evaluate CLDN18.2-Strep-Nanodisc

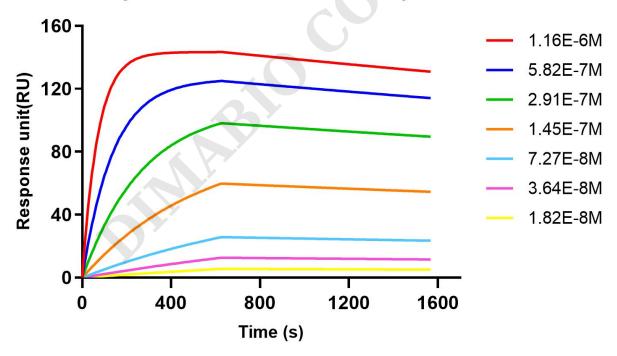


Figure 3. Loaded Human CLDN18.2 monoclonal antibody (BME100075) on Pro-A Biosensor, can bind human CLDN18.2-Strep full length protein-synthetic nanodisc with an affinity constant of 8.09nM as determined in SPR assay.

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