

# FITC-equivalent Biotinylated Human Claudin 18.2 Protein-Nanodisc

Cat. No. CLD-HM4N156B

## Description

**Source** Recombinant FITC-equivalent Biotinylated Human Claudin 18.2 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus, Avi tag at the N-terminus.

It contains Met1-Val261.

**Accession** P56856-2

**Molecular Weight** The protein has a predicted MW of 51.40 kDa.

**Wavelength** Excitation Wavelength: 490 nm

Emission Wavelength: 520 nm

**Endotoxin** Less than 1EU per  $\mu\text{g}$  by the LAL method.

## Formulation and Storage

**Formulation** Supplied as 0.22  $\mu\text{m}$  filtered solution in PBS (pH 7.4).

**Storage** Valid for 12 months from date of receipt when stored at  $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

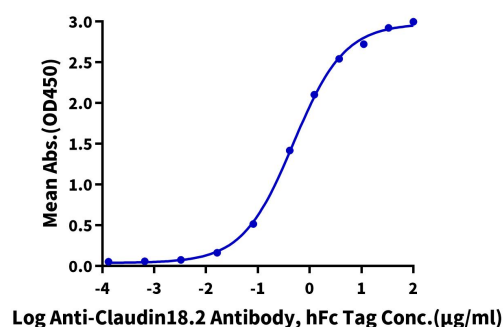
Claudin18 (CLDN18) belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. CLDN18 is specifically expressed in the stomach and lung. CLDN18 has two alternatively spliced variants, CLDN18.1 and CLDN18.2. Isoform 2 (Claudin 18.2) is abundant in gastric tumors.

## Assay Data

### ELISA Data

#### FITC-equivalent Biotinylated Human Claudin 18.2 Nanodisc, His Tag ELISA

0.5  $\mu\text{g}$  FITC-equivalent Biotinylated Human Claudin 18.2 Nanodisc, His Tag Per Well



Immobilized FITC-equivalent Biotinylated Human Claudin 18.2 Nanodisc, His Tag at  $5\mu\text{g}/\text{ml}$  ( $100\mu\text{l}/\text{well}$ ) on the streptavidin precoated plate ( $5\mu\text{g}/\text{ml}$ ). Dose response curve for Anti-Claudin18.2 Antibody, hFc Tag with the  $\text{EC}_{50}$  of  $0.49\mu\text{g}/\text{ml}$  determined by ELISA.