

Biotinylated Human Claudin 1 Nanodisc

Cat. No. CLD-HM1N1B

Description

Source	Recombinant Biotinylated Human Claudin 1 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Val211.
Accession	O95832
Molecular Weight	The protein has a predicted MW of 35.69 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

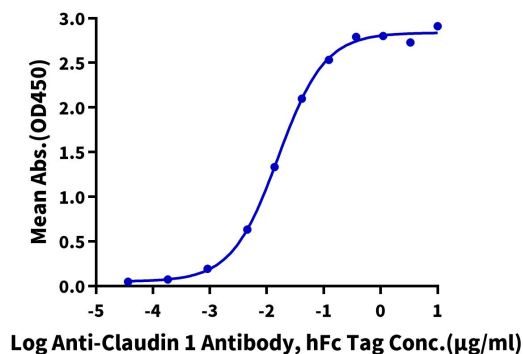
Claudin-1 (CLDN1), a major component of tight junction complexes in the epithelium, maintains cellular polarity, and plays a critical role in cell-to-cell communication as well as epithelial cell homeostasis. Moreover, CLDN1 expression is up-regulated in several cancers, and the level of CLDN1 expression has been proposed as a prognostic marker of patient survival.

Assay Data

ELISA Data

Biotinylated Human Claudin 1 Nanodisc, His Tag ELISA

0.2 μg Biotinylated Human Claudin 1 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human Claudin 1 Nanodisc, His Tag at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the streptavidin precoated plate (5 $\mu\text{g}/\text{ml}$). Dose response curve for Anti-Claudin 1 Antibody, hFc Tag with the EC50 of 15.9ng/ml determined by ELISA.