

Human Claudin 1 Protein-Nanodisc

Cat. No. CLD1-HM1N184

Description

Source	Recombinant Human Claudin 1 Protein-Nanodisc is expressed from HEK293 with His tag at the N-terminus (FITC-equivalent protein is fused on cytoplasmic part). It contains Met1-Val211.
Accession	O95832
Molecular Weight	The protein has a predicted MW of 48.5 kDa.
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization and flow cytometry in mammalian cells.
Storage	Valid for 12 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

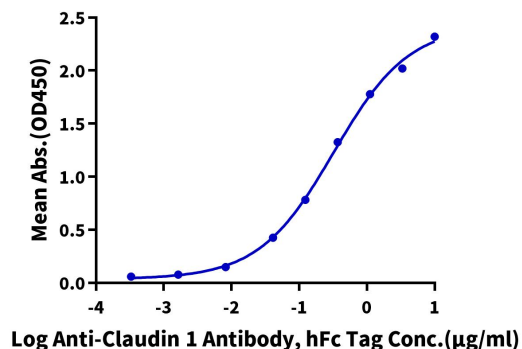
Claudin-1 (CLDN1), a major component of tight junction complexes in the epithelium, maintains cellular polarity, and plays a critical role in cell-to-cell communication as well as epithelial cell homeostasis. Moreover, CLDN1 expression is up-regulated in several cancers, and the level of CLDN1 expression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

Assay Data

ELISA Data

Human Claudin 1 Nanodisc, His Tag ELISA

0.5 μg Human Claudin 1 Nanodisc, His Tag Per Well



Immobilized Human Claudin 1 Nanodisc, His Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-Claudin 1 Antibody, hFc Tag with the EC50 of 0.32 $\mu\text{g}/\text{ml}$ determined by ELISA (QC Test).