

FITC-equivalent Human Claudin 1 Protein-Nanodisc

Cat. No. CLD1-HM1N184

Description

Source	Recombinant FITC-equivalent Human Claudin 1 Protein-Nanodisc is expressed from HEK293 with His tag at the N-terminus. It contains Met1-Val211.
Accession	O95832
Molecular Weight	The protein has a predicted MW of 48.5 kDa.
Wavelength	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
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.
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

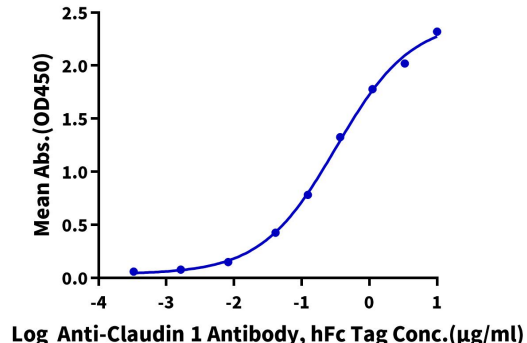
Claudin-1 (CLDN1), a major component of tight junction complexes in the epithelium, maintains cellular polarity, and plays a critical role in cell-to-cell communication as well as epithelial cell homeostasis. Moreover, CLDN1 expression is up-regulated in several cancers, and the level of CLDN1 expression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

Assay Data

ELISA Data

FITC-equivalent Human Claudin 1 Nanodisc, His Tag ELISA

0.5µg FITC-equivalent Human Claudin 1 Nanodisc, His Tag Per Well



Immobilized FITC-equivalent Human Claudin 1 Nanodisc, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Claudin 1 Antibody, hFc Tag with the EC50 of 0.32µg/ml determined by ELISA (QC Test).