

CLDN18.2 protein

Biotinylated Human CLDN18.2 full length protein-synthetic nanodisc

CATALOG # AAA129472	HOST HEK293
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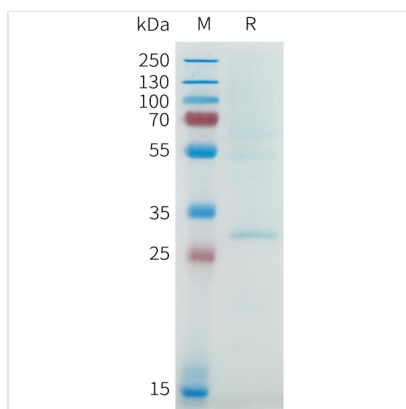
PRODUCT SYNONYMS

CLDN18.2; Biotinylated Human CLDN18.2 full length protein-synthetic nanodisc; Claudin 18.2; CLDN18.2 protein

PRODUCT SPECIFICATIONS

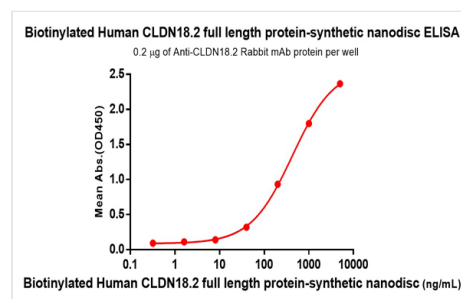
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Tag	C-DYKDDDDK&Avi
Conjugation	Biotinylated
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE

Figure 2. Biotinylated Human CLDN18.2-Nanodisc, DYKDDDDK Tag on SDS-PAGE



ELISA

Figure 1. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Anti-CLDN18.2 antibody(DM179); Rabbit mAb can bind Biotinylated Human CLDN18.2 full length protein-synthetic nanodisc (AAA129472) in a linear range of 40–5000 ng/mL. In order to specifically detect AAA129472, HRP Conjugated Streptavidin was used as detection antibody.

ADDITIONAL INFORMATION

Related Product Information for CLDN18.2 protein	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jun 2010]
Product Categories/Family for CLDN18.2 protein	Cell adhesion molecules (CAMs); ?Leukocyte transendothelial migration; ?Tight junction

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345279
NCBI GeneID	51208
NCBI Accession #	NP_001002026.1
NCBI GenBank Nucleotide #	NM_001002026.2
UniProt Accession #	P56856; Q96PH4; A5PL21
Molecular Weight	27,856 Da
NCBI Official Full Name	claudin-18 isoform 2
NCBI Official Synonym Full Names	claudin 18
NCBI Official Symbol	CLDN18
NCBI Official Synonym Symbols	SFTA5; SFTPJ; DKFZp564B2062
NCBI Protein Information	claudin-18; OTTHUMP00000216399; OTTHUMP00000216400; surfactant associated 5; surfactant associated protein J; surfactant, pulmonary associated protein J
UniProt Protein Name	Claudin-18
UniProt Gene Name	CLDN18
UniProt Entry Name	CLD18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/cldn18-2/129472>