

PRODUCT INFORMATION

| | |
|------------------------------|---|
| Tag | C-Flag Tag |
| Target | CLDN2 |
| Synonyms | OAZON |
| Description | Human CLDN2 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P57739 |
| Expression Host | HEK293 |
| Protein Families | Transmembrane |
| Protein Pathways | Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction |
| Molecular Weight | The human full length CLDN2 protein has a MW of 24.5 kDa |
| Background | This protein belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene. |
| Formulation & Reconstitution | 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 of reconstitution. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C(Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Usage | Research use only |
| Conjugate | Unconjugated |



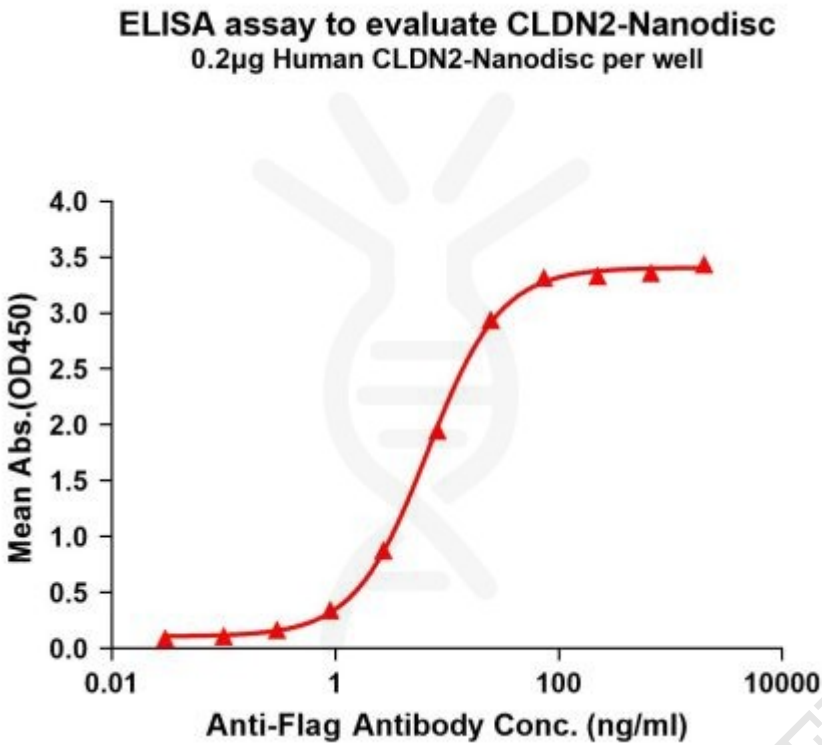


Figure1. Elisa plates were pre-coated with Flag Tag CLDN2-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN2-Nanodisc is 6.681ng/ml.



Figure2. Human CLDN2-Nanodisc, Flag Tag on SDS-PAGE

