

## **PRODUCT INFORMATION**

CLDN6 **Target** 

**Synonyms** Claudin 6; Claudin-6; Skullin; Claudin 6 **Description** Human CLDN6 full length protein-VLP

In Stock **Delivery** P56747 **Uniprot ID Expression Host HEK293** 

**Protein Families** Transmembrane

Cell adhesion molecules (CAMs), Leukocyte **Protein Pathways** transendothelial migration, Tight junction

The human full length CLDN6 Protein has a MW of **Molecular Weight** 

23 kDa

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. This gene encodes a component of tight

junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent to another family member CLDN9 on chromosome 16.

Usage Research use only Conjugate Unconjugated

Background

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## ELISA assay to evaluate CLDN6-VLP 0.5µg Human CLDN6-VLP per well

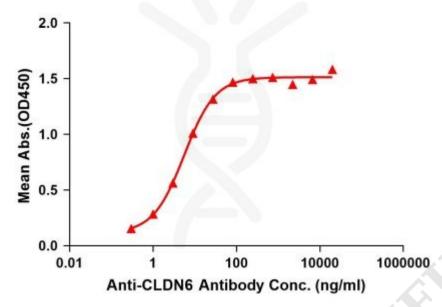


Figure 1. Elisa plates were pre-coated with  $0.5\mu g/per$  well purified human CLDN6 full length VLP. Serial diluted anti-CLDN6 monoclonal antibody (BME100082) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CLDN6 monoclonal antibody binding with CLDN6 full length VLP is 5.616ng/ml.

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