

# Human Claudin 9 VLP

Cat. No. CLD-HM009



## Description

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Source           | Recombinant Human Claudin 9 VLP is expressed from HEK293.                    |
|                  | It contains Met1-Val217 (It may have cross reaction with anti-His antibody). |
| Accession        | O95484                                                                       |
| Molecular Weight | The target protein has a predicted MW of 24.1 kDa.                           |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                     |
| Purity           | > 95% as determined by HPLC                                                  |

## Formulation and Storage

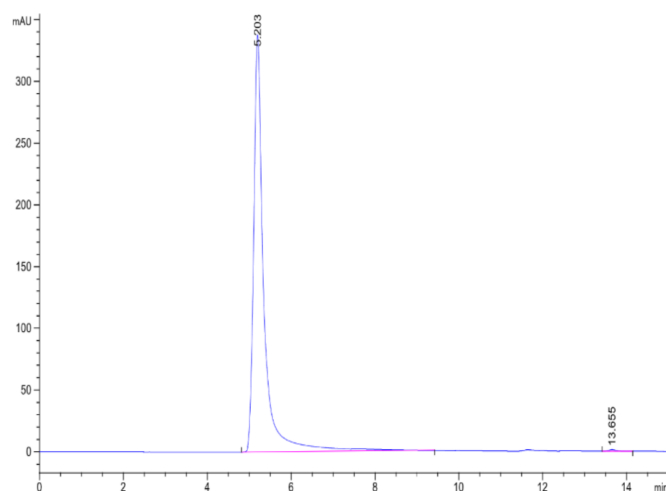
|             |                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.                         |
| 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

Claudins (CLDNs) are tetraspan proteins with a short cytoplasmic Nterminus, two extracellular loops and a Cterminal cytoplasmic domain. They function as a physical barrier or gate of small molecules and as signaling platforms to coordinate diverse cellular behaviors. CLDNs are useful cancer biomarkers, as they are frequently upregulated and are associated with malignant traits of cancers, such as invasion, migration, metastasis and chemoresistance. Claudin9 (CLDN9) is barely distributed in normal adult tissues but is ectopically expressed in various cancer types.

## Assay Data

### SEC-HPLC



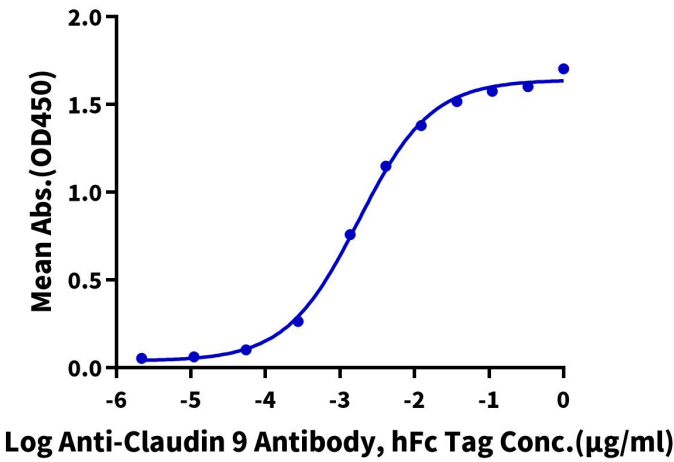
The purity of Human Claudin 9 VLP is greater than 95% as determined by SEC-HPLC.

### ELISA Data

Assay Data

Human Claudin 9 VLP ELISA

0.2µg Human Claudin 9 VLP Per Well



Immobilized Human Claudin 9 VLP at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Claudin 9 Antibody, hFc Tag with the EC50 of 1.8ng/ml determined by ELISA.