

Human Claudin 9 Protein-VLP

Cat. No. CLD-HM009



Description

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

Formulation and Storage

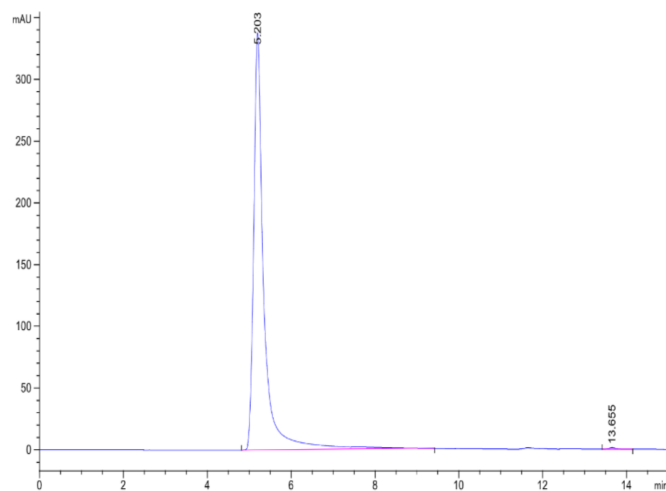
Formulation	Supplied as 0.22 µm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal 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



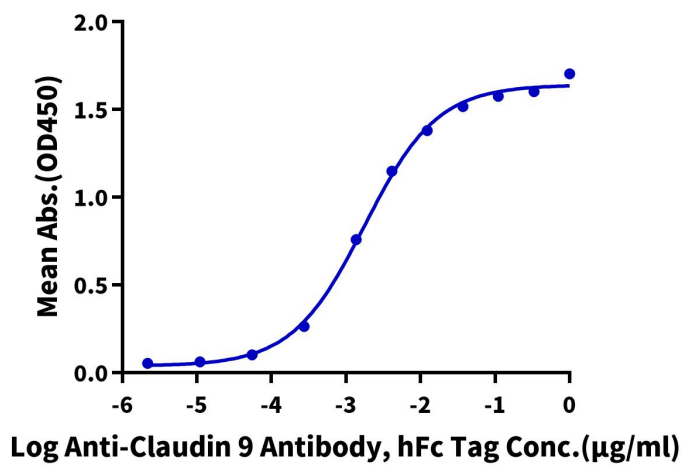
The purity of Human Claudin 9 VLP is greater than 95% as determined by SEC-HPLC.

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.