

Recombinant Human Claudin-4 Protein

Catalog No.: RP02997LQ **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 1364 | O14493 |

Tags

No tag

Synonyms

Claudin-4; CLDN4; Claudin4; CPE-R; CPE R; CPETR1; WBSR8

Product Information

| Source | Purification |
|--------------|-----------------------------|
| HEK293 cells | > 95% as determined by HPLC |

| Calculated MW | Observed MW |
|---------------|-------------|
| 23.31 kDa | |

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Supplied as 0.22µm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, Do Not use any adjuvant.

Reconstitution

Background

Claudin-4 (CLDN4) is a key component of tight junctions (TJs) in epithelial cells. CLDN4 is overexpressed in many epithelial malignancies and correlates with cancer progression. Changes in CLDN4 expression have been associated with epigenetic factors (such as hypomethylation of promoter DNA), inflammation associated with infection and cytokines, and growth factor signaling. CLDN4 helps to maintain the tumor microenvironment by forming TJs and acts as a barrier to the entry of anticancer drugs into tumors.

Basic Information

Description

Recombinant Human Claudin-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Val209) of human Claudin-4 (Accession #NP_001296.1) fused with no additional amino acid.

Bio-Activity

Immobilized Human Claudin-4 VLP at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Claudin 4 Antibody, hFc Tag with the EC₅₀ of 18.4ng/ml determined by ELISA.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

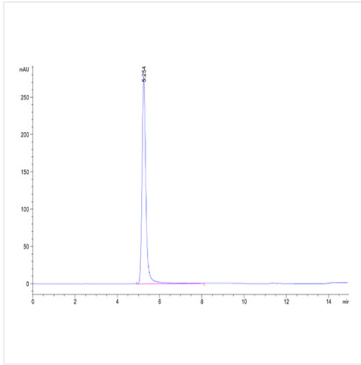
Contact

☎ | 400-999-6126

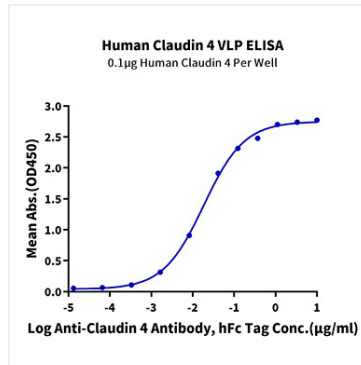
✉ | cn.market@abclonal.com.cn

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Validation Data



The purity of Human Claudin-4 VLP is greater than 95% as determined by SEC-HPLC.



Immobilized Human Claudin-4 VLP at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Claudin 4 Antibody, hFc Tag with the EC_{50} of 18.4ng/ml determined by ELISA.