

Recombinant Human Claudin-4 Protein

Catalog No.: RP02997LQ

Sequence Information

Species **Gene ID**
Human 1364

Swiss Prot **Tags**
O14493 No tag

Synonyms

Claudin-4; CLDN4; Claudin4; CPE-R; CPE R; CPETR1; WBSCR8

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE. ≥ 95
 % as determined
 by HPLC.

Calculated MW **Observed MW**
23.31 kDa

Endotoxin

< 1 EU/μg of the protein by 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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

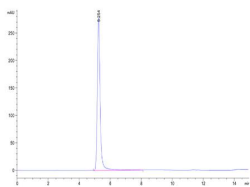
Contact

☎ | 400-999-6126

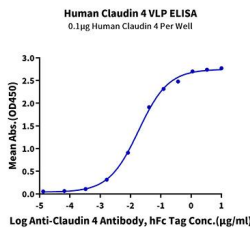
✉ | cn.market@abclonal.com.cn

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Validation Data



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



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