

Product Information

Recombinant Anti-Human cldn4 Antibody

Cat. No.: **MOM-18330**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody binds selectively to Human CLDN4, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Plays a major role in tight junction-specific obliteration of the intercellular space.

Specific Activity

Tested positive against native antigen.

Target

CLDN4

Immunogen

Recombinant fragment: MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMCKVYD SLLALPQDLQ , corresponding to amino acids 29-79 of Human Claudin 4MWRVTAFIGSNIVTSQTIWEGLWMNCVVQSTGQMCKVYD SLLALPQDLQ

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in IF, IP, Neut and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[CLDN4 claudin 4 \[Homo sapiens \]](#)

Official Symbol

CLDN4

Synonyms

CLDN4; claudin 4; CPETR, CPETR1; claudin-4; Clostridium perfringens enterotoxin receptor 1; CPE R; hCPE R; WBSR8; Williams Beuren syndrome chromosomal region 8 protein; CPE-receptor; Williams-Beuren syndrome chromosomal region 8 protein; CPER; CPE-R; CPETR; CPETR1; hCPE-R

Gene ID

[1364](#)

mRNA Refseq

[NM_001305](#)

Protein Refseq

[NP_001296](#)

MIM

[602909](#)

UniProt ID

O14493

Chromosome Location

7q11.23

Pathway

Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem;

Function

identical protein binding; structural molecule activity; transmembrane signaling receptor activity;