

# CLDN3 (Human) Cell-Based ELISA Kit

Catalog # KA2678

Size 1 Kit

## Specification

<b>Product Description</b>	CLDN3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CLDN3 expression in cultured cells.
<b>Suitable Sample</b>	Attached Cell, Loosely Attached Cell, Suspension Cell
<b>Label</b>	HRP-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Qualitative
<b>Reactivity</b>	Human, Mouse, Rat
<b>Regulation Status</b>	For research use only (RUO)
<b>Storage Instruction</b>	Store the kit at 4°C.

## Applications

- Qualitative

## Gene Info — CLDN3

<b>Entrez GeneID</b>	<a href="#">1365</a>
<b>Protein Accession#</b>	<a href="#">O15551</a>
<b>Gene Name</b>	CLDN3
<b>Gene Alias</b>	C7orf1, CPE-R2, CPETR2, HRVP1, RVP1
<b>Gene Description</b>	claudin 3

Omim ID [602910](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq]

**Other Designations** CPE-receptor 2|Clostridium perfringens enterotoxin receptor 2|OTTHUMP00000025042|OTTHUMP00000160506|claudin-3|ventral prostate.1-like protein

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)