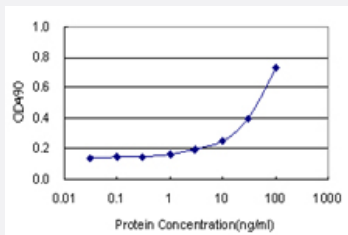


# CLDN1 (Human) Matched Antibody Pair

Catalog # H00009076-AP11

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human CLDN1.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (90); Rat (90)
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00009076-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-CLDN1 (100 ug) 2. Detection antibody: mouse monoclonal anti-CLDN1, IgG2a Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- [ELISA Pair \(Recombinant protein\)](#)

[Protocol Download](#)

## Gene Info — CLDN1

**Entrez GeneID** [9076](#)

**Gene Name** CLDN1

**Gene Alias** CLD1, ILVASC, SEMP1

**Gene Description** claudin 1

**Omim ID** [603718](#) [607626](#)

**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 gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq]

**Other Designations** senescence-associated epithelial membrane protein 1

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Tight junction](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)

- [Substance Abuse](#)
- [Tobacco Use Disorder](#)