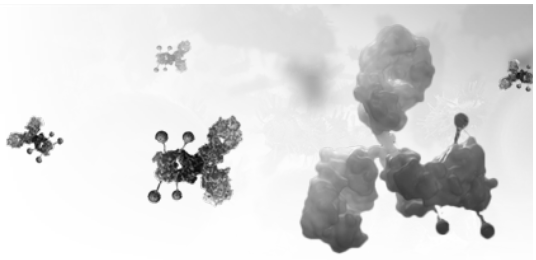

CLDN1 blocking peptide (CDBP5311)

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

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CLDN1 claudin 1 [Homo sapiens (human)]
Official Symbol	CLDN1
Synonyms	CLDN1; claudin 1; CLD1; SEMP1; ILVASC; claudin-1; senescence-associated epithelial membrane protein 1

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Entrez Gene ID	9076
mRNA Refseq	NM_021101
Protein Refseq	NP_066924
UniProt ID	O95832
Pathway	Cell adhesion molecules (CAMs); Cell junction organization; Cell-Cell communication; Cell-cell junction organization; Hepatitis C; Leukocyte transendothelial migration; Nectin adhesion pathway; Pathogenic Escherichia coli infection
Function	identical protein binding; protein binding; structural molecule activity

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