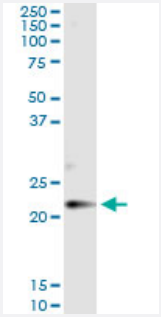
CLDN14 monoclonal antibody (M01), clone 3D11

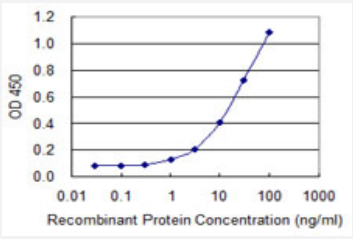
Catalog # H00023562-M01 Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of CLDN14 transfected lysate using anti-CLDN14 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CLDN14 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CLDN14 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CLDN14.
Immunogen	CLDN14 (NP_036262, 29 a.a. ~ 81 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HWRRTAHVGTNILTAVSYLKGLWMECVWHSTGIYQCQIYRSLLALPQDLQAAR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

  Immunoprecipitation of CLDN14 transfected lysate using anti-CLDN14 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CLDN14 MaxPab rabbit polyclonal antibody.

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — CLDN14

Entrez GeneID	23562
GeneBank Accession#	NM_012130
Protein Accession#	NP_036262
Gene Name	CLDN14
Gene Alias	DFNB29
Gene Description	claudin 14
Omim ID	605608
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. The encoded protein also binds specifically to the WW domain of Yes-associated protein. Defects in this gene are the cause of an autosomal recessive form of nonsyndromic sensorineural deafness. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000109045|OTTHUMP00000109046|OTTHUMP00000109047|OTTHUMP00000109048|OTTHUMP00000109049

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Tight junction

Disease

- Genetic Predisposition to Disease
- Hearing Loss
- Kidney Calculi
- Tobacco Use Disorder