

CLDN5 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CLDN5.****Catalog # AT1554a****Specification**

CLDN5 Antibody (monoclonal) (M01) - Product Information

Application	E
Primary Accession	O00501
Other Accession	NM_003277
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	23147

CLDN5 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 7122**Other Names**

Claudin-5, Transmembrane protein deleted in VCFS, TMDVCF, CLDN5, AWAL, TMVCF

Target/Specificity

CLDN5 (NP_003268, 29 a.a. ~ 81 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CLDN5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

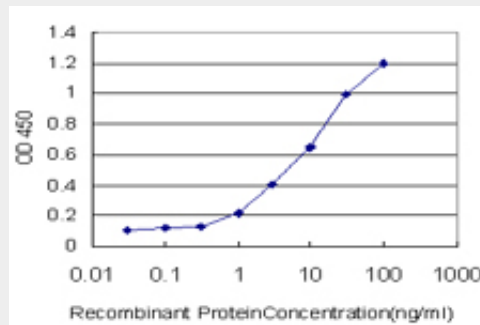
CLDN5 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

CLDN5 Antibody (monoclonal) (M01) - Images



Detection limit for recombinant GST tagged CLDN5 is approximately 0.1ng/ml as a capture antibody.

CLDN5 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

CLDN5 Antibody (monoclonal) (M01) - References

Endothelial Dysfunction and Claudin 5 Regulation during Acrolein-induced Lung Injury. Jang AS, et al. *Am J Respir Cell Mol Biol*, 2010 Jun 4. PMID 20525806. Divergent expression of claudin -1, -3, -4, -5 and -7 in developing human lung. Kaarteenaho R, et al. *Respir Res*, 2010 May 17. PMID 20478039. A weak association of the CLDN5 locus with schizophrenia in Chinese case-control samples. Wu N, et al. *Psychiatry Res*, 2010 Jun 30. PMID 20452046. Claudin-5 overexpression correlates with aggressive behavior in serous ovarian adenocarcinoma. Turunen M, et al. *Anticancer Res*, 2009 Dec. PMID 20044634. Claudins in human cancer: a review. Ouban A, et al. *Histol Histopathol*, 2010 Jan. PMID 19924644.