

CLDN5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CLDN5.

Catalog # AT1554a

Product Information

Application	E
Primary Accession	O00501
Other Accession	NM_003277
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3D8
Calculated MW	23147

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.
Dilution	E~~N/A
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.

Background

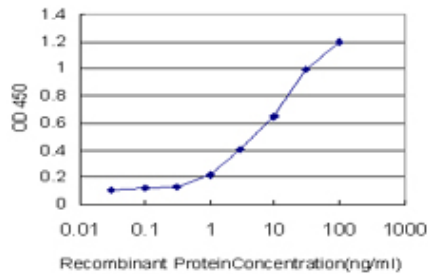
This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell 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.

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.