

Datasheet

CLDN1 monoclonal antibody (M01), clone 1C5-D9

Catalog Number: H00009076-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant CLDN1.

Clone Name: 1C5-D9

Immunogen: CLDN1 (AAH12471.1, 1 a.a. ~ 211 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MANAGLQLLGFILAFILGWIGAIIVSTALPQWRIYSYAGD
NIVTAQAMYEGLWMSCVSQSTGQIQCKVFDLSLLNLS
TLQATRALMVVVGILLGVIAIFVATVGMKCMKCLEDEDEV
QKMRMAVIGGAIFFLLAGLAILVATAWYGNRIVQEFYDP
MTPVNARYEFGQALFTGWAAASLCLLGGALLCCSCPR
KTTSYPTPRYPKAPSSGKDYV

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, IP, S-ELISA, WB-Ce,
WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 9076

Gene Symbol: CLDN1

Gene Alias: CLD1, ILVASC, SEMP1

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]

References:

1. Mouse homologues of hepatitis C virus human entry factors inhibit the entry of HCV pseudoparticles (HCVpp) into human hepatoma cells. Islam MJ, Amin MB, Uddin MKM, Hikosaka K, Noritake H, Wu Y, Aoto K, Miura N. Bioresearch Communications. 2016 Jan; 2(1):128-133.
2. Hepatitis C Virus Sensing by Human Trophoblasts Induces Innate Immune Responses and Recruitment of Maternal NK Cells: Potential Implications for Limiting Vertical Transmission. Giugliano S, Petroff MG, Warren BD, Jasti S, Linscheid C, Ward A, Kramer A, Dobrinskikh E, Sheiko MA, Gale M Jr, Golden-Mason L, Winn VD, Rosen HR. J Immunol. 2015 Oct 15;195(8):3737-47.
3. Type AB thymoma is not a mixed tumor of type A and type B thymomas, but a distinct type of thymoma. Miki Y, Hamada K, Yoshino T, Miyatani K, Takahashi K. Virchows Arch. 2014 May 7.