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Datasheet

CLDN19 monoclonal antibody (M02), clone 2F2

Catalog Number: H00149461-M02

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant CLDN19.

Clone Name: 2F2

Immunogen: CLDN19 (AAH30524, 1 a.a. ~ 211 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MANSGLQLLGYFLALGGWVGIIASTALPQWKQSSYAG
DAIITAVGLYEGLWMSCASQSTGQVQCKLYDSLLALD
GHIQSARALMVVAVLLGFVAMVLSVVGMKCTRVGDSN
PIAKGRVAIAGGALFILAGLCTLTAVSWYATLVTQEFFN
PSTPVNARYEFGPALFVGWASAGLAVLGGSFLCCTCP
EPERPNSSPQPYRPGPSAAAREYV

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re
(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: 149461

Gene Symbol: CLDN19

Gene Alias: -

Gene Summary: The product of this gene belongs to the claudin family. It plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Defects in this gene are the cause of hypomagnesemia renal with ocular involvement (HOMGO). HOMGO is a progressive renal disease characterized by primary renal magnesium wasting with hypomagnesemia, hypercalciuria and nephrocalcinosis associated with severe ocular abnormalities such as bilateral chorioretinal scars, macular colobomata, significant myopia and nystagmus. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]