

Mouse anti-Human Claudin 5 Monoclonal Antibody

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CATALOG # AAA71368	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, Immunohistochemistry
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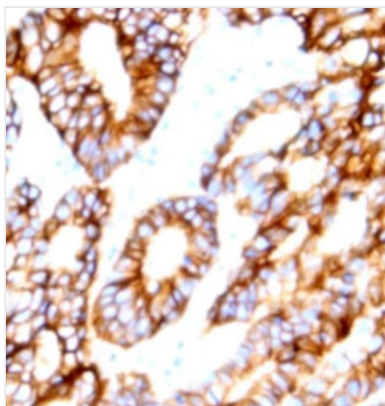
PRODUCT SYNONYMS

Claudin 5; Monoclonal Antibody; Mouse anti Claudin 5 Monoclonal Antibody; anti-Claudin 5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4C3C2
Specificity	This antibody recognizes human Claudin 5 protein. The other species are not tested.
Purity/Purification	Protein A-Affinity Chromatography according to Isotyping
Form/Format	Supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-Claudin 5 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Preparation	A synthetic peptide of human Claudin 5
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 24 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry: Human colon carcinoma (FFPE) stained with Mouse anti-Claudin-5 (Cat# 605-630) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

ADDITIONAL INFORMATION

Related Product Information for anti-Claudin 5 antibody	Claudin 5 is 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. CLDN5 affects lncRNAs acting as ceRNA dynamics contributing to regulating blood brain barrier permeability in tumor brain metastasis. Among other tissues, Claudin-5 was observed to localize to cardiomyocytes, endothelial cells, and a subset of fibroblasts in non-failing human heart sections. It is transcriptionally downregulated resulting in dramatically reduced protein levels in human heart failure. It was recently shown that strong claudin 5 expression is a poor prognostic sign in pancreatic adenocarcinoma.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/claudin-5-antibody-clone-4c3c2-immunoprecipitation-western-blot-immunohistochemistry-elisa/71368>