Human Claudin-19 Antibody

Monoclonal Mouse IgG_1 Clone # 693202

Catalog Number: MAB6970

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Claudin-19 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 693202
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Claudin-19 Accession # Q8N6F1
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

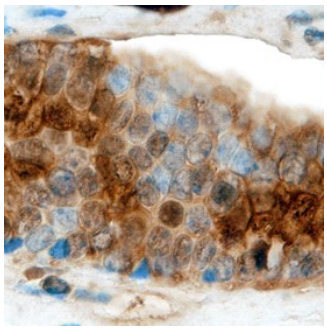
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



Claudin-19 in Human Kidney Cancer Tissue. Claudin-19 was detected in immersion fixed paraffin-embedded sections of human kidney cancer tissuer using Mouse Anti-Human Claudin-19 Monoclonal Antibody (Catalog # MAB6970) at 8 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm and plasma membranes of epithelial cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Claudin-19 is a 23 kDa multipass membrane protein in the Claudin family of epithelial tight junction proteins. Claudin-19 is expressed by renal tubular epithelial cells, retinal pigment epithelial cells, and Schwann cells. It interacts with Claudin-16 to form cation-selective paracellular channels in the thick ascending loop of the kidney. Mutations of Claudin-19 are associated with renal disorders of magnesium and calcium reabsorption. Human Claudin-19 shares 95% aa sequence identity with mouse and rat Claudin-19. An alternate splice form of human Claudin-19 has a deletion within the C-terminal cytoplasmic region.

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