

## Mouse Claudin18 Monoclonal Antibody

Anti-Claudin18 Antibody, Mouse Monoclonal

| CATALOG # | HOST  | REACTIVITY                                                                | APPLICATIONS         |
|-----------|-------|---------------------------------------------------------------------------|----------------------|
| AAA258865 | Mouse | HumanHas cross-reactivity in IHC with Human Claudin 18.1 and Claudin 18.2 | Immunohistochemistry |

### PRODUCT SYNONYMS

Claudin18; Monoclonal Antibody; Anti-Claudin18 Antibody; Mouse Monoclonal; claudin 18; Anti-SFTA5 Antibody; Anti-SFTPJ Antibody; anti-Claudin18 antibody

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Mouse                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                          | Human<br>Has cross-reactivity in IHC with Human Claudin 18.1 and Claudin 18.2                                                                                                                                                                                                                                               |
| Clonality                                           | Monoclonal                                                                                                                                                                                                                                                                                                                  |
| Isotype                                             | Mouse IgG2a                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                        | #02                                                                                                                                                                                                                                                                                                                         |
| Specificity                                         | Recognize human Claudin 18.1 and Claudin 18.2                                                                                                                                                                                                                                                                               |
| Purity/Purification                                 | Protein A                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                         | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-Claudin18 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                  |
| Immunogen                                           | A synthetic peptide corresponding to the N-terminus human Claudin 18                                                                                                                                                                                                                                                        |
| Preparation                                         | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the N-terminus of the human Claudin 18. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Preparation and Storage                             | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.                                                       |

### IMAGES



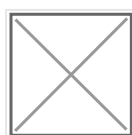
#### IHC (Immunohistochemistry)

Immunochemical staining of human Claudin 18 in human lung with mouse monoclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human Claudin 18 in human gastric cancer with mouse monoclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human Claudin 18 in human stomach with mouse monoclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

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| Related Product Information for anti-Claudin18 antibody | Claudins family member Claudin18 (CLDN18) is a four-pass transmembrane protein with two extracellular loops and cytoplasmic N- and C-tails found in tight junctions. CLDN18 modulates paracellular permeability, polarity, and signaling. CLDN18 deficiency has been associated with atrophic gastritis, spasmodytic polypeptide-expressing metaplasia (SPEM), and asthma. Lung-specific CLDN18.1 modulates alveolar epithelial type II (AT2) cell proliferation and organ size. Restoration of CLDN18.1 expression in human lung cancer cells has been shown to suppress proliferation, inhibiting the IGF-1R/AKT axes. Not expressed in other healthy tissues, gastric mucosa-specific isoform CLDN18.2 expression manifests in primary gastric cancers. CLDN18.2 at the surface of epithelial tumor cells is a target in antibody and CAR-therapies currently in development. |
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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/claudin18-antibody-clone-02-immunohistochemistry-elisa/258865>