CA19-9 / Sialyl Lewis\textsuperscript{a} Ab-1 (Clone 121SLE)

Mouse Monoclonal Antibody

Cat. #MS-379-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-379-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-379-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #MS-379-PCS (5 Slides) (Positive Control for Histology)

**Description:** Mucin glycoprotein is a sialyl Lewis\textsuperscript{a} structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis\textsuperscript{a} and/or Lewis\textsuperscript{b} blood group antigens. In normal tissues, sialyl Lewis\textsuperscript{a} antigen is present in ductal epithelium of the breast, kidney, salivary gland, and sweat glands. Its expression is greatly enhanced in serum as well as in the majority of tumor cells in gastrointestinal (GI) carcinomas, including adenocarcinomas of the stomach, intestine, and pancreas. Preoperative elevated CA19-9 levels in patients with stage I pancreatic carcinoma decrease to normal values following surgery. When used serially, CA19-9 can predict recurrence of disease prior to radiographic or clinical findings.

**Comments:** Ab-1 is excellent for staining of formalin-fixed tissues.

**Mol. Wt. of Antigen:** >400kDa

**Species Reactivity:** Human. Does not react with rat. Others-not tested

**Clone Designation:** 121SLE

**Ig Isotype:** IgM

**Immunogen:** Mucins from ovarian cyst

**Applications and Suggested Dilutions:**
- Immunohistology (Formalin/paraffin)
  - Ab 2-4µg/ml for 30 min at RT
  - * [No special pretreatment is required for the immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** Colon carcinoma

**Cellular Localization:** Cytoplasmic

**Storage and Stability:** Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

**Supplied As:** 200µg/ml antibody purified from the ascites fluid by ammonium sulfate precipitation and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Key References:**

**Limitations and Warranty:**
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

**Material Safety Data:**
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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