



PRODUCT DATA SHEET

Product: Anti-CA19-9, clone 121SLE

Cat. No.: MC-422 (1 mL)

Synonym:

Sialyl Lewis^a

Background:

Mucin glycoprotein is a sialyl Lewis^a structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis^a and/or Lewis^b blood group antigens. In normal tissues, sialyl Lewis^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.

Species Reactivity:

Human. Does not react with rat. Other species not tested.

Ig Isotype:

Mouse IgM

Immunogen:

Mucins from ovarian cyst

Mol. Wt. of Antigen:

>400 kDa

Positive Control:

Colon carcinoma

Cellular Location:

Cytoplasmic

Format:

1 mL of 200 µg/mL of antibody purified from the ascities fluid by ammonium sulfate precipitation and prepared in 10 mM PBS, pH 7.4, with protein stabilizer and 0.09% sodium azide.

Storage:

Store at 4°C.

Application and Suggested Dilutions:

■ Immunohistochemistry: Formalin and paraffin, use at 2-4 µg/mL for 30 minutes at room temperature. No special pretreatment is required for the immunohistochemistry staining of formalin-fixed, paraffin-embedded tissues.

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

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.