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# CA19-9 (Clone 121SLE)

## Mouse Monoclonal Antibody

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

**Immunogen:** Precipitin lines obtained after immuno-diffusion using MAb 116-NS-19-9 and mucins isolated from an ovarian cyst of a Lewis A<sup>+</sup>B<sup>-</sup> patient (0Le).

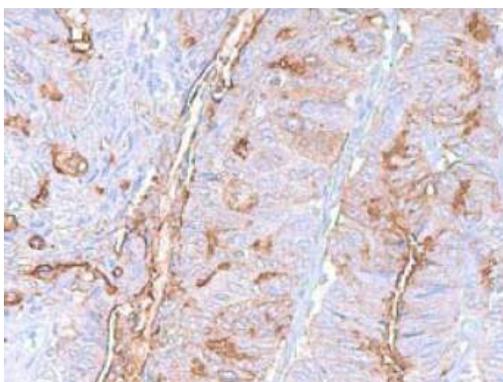
**Ig Class:** IgM/k

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit immunoglobulin detection system. *Working dilution:* 1:100-200; *Positive Control:* Colon carcinoma. *Cellular Localization:* Cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

**Description:** CA19-9, a carbohydrate epitope expressed on a high MW (>400kDa) mucin glycoprotein, is a sialyl Lewis<sup>a</sup> structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis<sup>a</sup> and/or Lewis<sup>b</sup> blood group antigens. In normal tissues, sialyl Lewis<sup>a</sup> 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. This MAb is excellent for staining of formalin-fixed, paraffin-embedded tissues.

**Supplied As:** Purified antibody in 0.2% BSA and 15mM sodium azide.



### References:

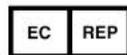
1. Wu E, et al. *Clin Adv Hematol Oncol.* 2013; 11:53-5.
2. Remmers N, et al. *Clin Cancer Res.* 2013; 19:1981-93.
3. Terada T. *Int J Clin Exp Pathol.* 2013; 6:630-8.

*Formalin-fixed, paraffin-embedded human colon carcinoma stained with anti-CA19-9 antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of tumor cells*

**Cat. #Z2072 (1.0 ml)**

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