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36-11044: Monoclonal Antibody to CA19-9 / Sialyl Lewisa (GI Tumor Marker)(Clone : SPM588)

Clonality :	Monoclonal
Clone Name :	SPM588
Application :	FACS,IF,IHC
Reactivity :	Human
Format :	Purified
Isotype :	Mouse IgM, kappa
Immunogen Information :	Precipitin lines obtained after immuno-diffusion using MAb 116-NS-19-9 and mucins isolated from an ovarian cyst of a Lewis A+B- patient (0Le).

Description

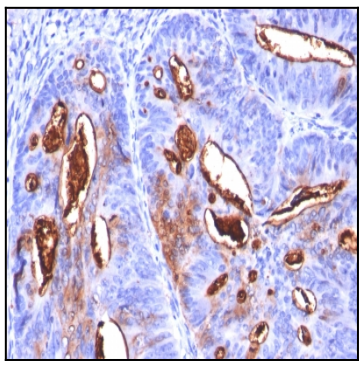
CA19-9, a carbohydrate epitope expressed on a high MW (>400kDa) mucin glycoprotein, is a sialyl Lewisa structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewisa and/or Lewisb blood group antigens. In normal tissues, sialyl Lewisa antigen 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 superb for staining of formalin-fixed, paraffin-embedded tissues.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(No special pretreatment is required for the immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.)



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CA19-9 Monoclonal Antibody (SPM588).