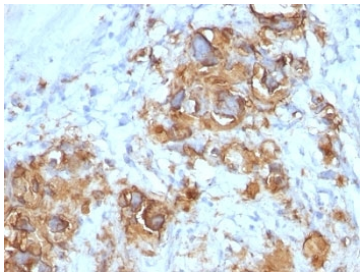
CA19-9 Antibody / Gastrointestinal Cancer and Carbohydrate Antigen Marker Antibody [clone 121SLE] (V3057)

Catalog No.	Formulation	Size
V3057-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3057-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3057SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3057IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Citations (11)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	121SLE
Purity	PEG precipitation
UniProt	Not Known
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CA19-9 Antibody / Gastrointestinal Cancer and Carbohydrate Antigen Marker Antibody is available for research use only.



CA19-9 Antibody Gastric Carcinoma IHC. Immunohistochemistry of FFPE human gastric carcinoma tissue using CA19-9 antibody shows strong HRP-DAB brown membranous and cytoplasmic staining in tumor epithelial cells, consistent with Sialyl-Lewis A expression in gastrointestinal adenocarcinoma and mucin-associated carbohydrate antigen localization; detection was performed with clone 121SLE.

Description

CA19-9, also known as Sialyl-Lewis A, is a tumor-associated carbohydrate antigen expressed on glycoproteins and glycolipids of epithelial cells within the gastrointestinal and pancreaticobiliary tract. It is generated through specific glycosylation pathways that produce sialylated Lewis blood group antigens involved in cell-cell interactions and epithelial surface biology. CA19-9 expression is most commonly associated with gastrointestinal epithelial tissues and mucin-producing glandular structures.

CA19-9 antibody, also referred to as Carbohydrate antigen 19-9 antibody and Sialyl-Lewis A antibody in the literature, recognizes a carbohydrate epitope that is frequently elevated in adenocarcinomas of the pancreas, stomach, colon, biliary tract, and other gastrointestinal-associated tissues. Because CA19-9 is associated with mucin-producing epithelial cells, its expression is commonly observed along apical membranes, luminal surfaces, and cytoplasmic secretory compartments in gland-forming tumors.

This CA19-9 Antibody / Gastrointestinal Cancer and Carbohydrate Antigen Marker Antibody (clone 121SLE) is uniquely positioned for studies of epithelial tumor biology and gastrointestinal-associated malignancies. CA19-9 expression is widely used in pathology research involving pancreaticobiliary tumors, gastric adenocarcinoma, colorectal adenocarcinoma, and mucinous epithelial neoplasms. In tissue-based studies, CA19-9 staining patterns can help characterize glandular differentiation and mucin-associated antigen expression within epithelial tumor populations.

In immunohistochemistry applications, CA19-9 is typically observed as membranous and cytoplasmic staining in epithelial tumor cells, with strongest expression often associated with glandular and mucin-producing regions. Expression may also be detected in select normal epithelial tissues of the gastrointestinal tract and related secretory structures, reflecting its role as a carbohydrate-associated epithelial antigen. These staining characteristics make CA19-9 a widely used marker for examining epithelial differentiation and gastrointestinal tumor-associated antigen expression.

Clone 121SLE is a mouse monoclonal antibody that has been referenced in more than 30 peer-reviewed publications, supporting its use in gastrointestinal pathology and epithelial tumor research applications. A CA19-9 antibody is suitable for detecting Sialyl-Lewis A expression in studies of gastrointestinal cancer biology, pancreaticobiliary tumors, mucinous neoplasms, and epithelial carbohydrate antigen expression.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the CA19-9 Antibody / Gastrointestinal Cancer and Carbohydrate Antigen Marker Antibody should be determined by the researcher.

1. No special pretreatment is required for the immunohistochemical staining of formalin-fixed, paraffin-embedded tissues
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

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) were used as the immunogen for the CA19-9 antibody.

Storage

Store the CA19-9 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CA19-9 antibody, Carbohydrate antigen 19-9 antibody, Sialyl-Lewis A antibody, Sialyl Lewis antigen antibody, CA 19-9 antibody