abcam

ab3982

Anti-CA19-9 antibody [121SLE]

Key facts

Isotype	IgM
Host species	Mouse
Storage buffer	pH: 8 Preservative: 0.097% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Clone number	121SLE
Purification technique	Proprietary technique
Specificity	The antibody recognizes Sialyl Lewis a containing glycolipids.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from TCS. Purified by precipitation and chromatography. Purity >95% by SDS-PAGE.

Reactivity data

Flow Cyt

Expected

Species	Human
Dilution info	-
Notes	ab91545 - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

ELISA

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	-

Target data

See full target information CA19-9

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

This product was changed from ascites to tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	CA19-9 also known as carbohydrate antigen 19-9 or sialyl-Lewis A is a glycoprotein with a molecular mass of around 210 kDa. This antigen is mainly expressed on the surface of epithelial cells in the pancreas liver gallbladder and stomach. It serves as a well-recognized tumor marker for cancers associated with these organs. CA19-9 can be detected using techniques like immunohistochemistry (IHC) aiding in diagnostic and research applications.
Biological function summary	CA19-9 plays a role in cell-cell communication and adhesion contributing to the behavior of cancer cells regarding metastasis and invasion. It is part of a broader complex involving glycoproteins which is important in cell surface recognition and signaling events. In normal cellular roles functions are less prominent but the alterations in cancerous cells highlight its biological significance in oncogenesis.
Pathways	CA19-9 interacts with several signal transduction pathways that influence cellular processes like proliferation and migration. Notably it is involved in the EGF receptor pathway affecting cellular growth and survival mechanisms. It relates to glycosylation pathways which together with other proteins such as MUC1 modify cellular membranes in malignant tissues influencing tumor progression and evasion from immune detection.
Associated diseases and disorders	CA19-9 frequently connects with pancreatic cancer and cholangiocarcinoma serving as a biomarker for diagnosis and monitoring disease progression. Its levels often increase in response to malignancies in these tissues. Studies suggest its interaction with proteins like CEACAM6 might enhance tumor invasiveness and metastasis. Identifying elevated CA19-9 can guide clinical decisions and therapeutic strategies in affected individuals.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

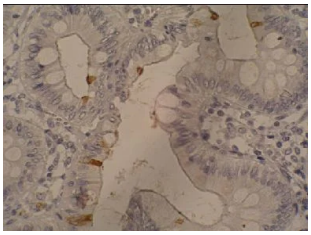
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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Terms & Conditions.

1 product image



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CA19-9 antibody [121SLE] (ab3982)

CA19-9 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-CA19-9 antibody

ab3982 staining CA19-9 in human colorectal adenocarcinoma by IHC-P (Formalin/Paraformaldehye fixed paraffin embedded tissue sections).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.