CA 19-9 (121SLE)

Mouse anti-human CA19-9 Monoclonal Antibody (Clone 121SLE)

REFERENCES AND PRESENTATIONS[1]

- **ready-to-use (manual or LabVision AutoStainer)**
  MAD-000698QD–3
  MAD-000698QD–7
  MAD-000698QD–12
- **Ready-to-use (MD-Stainer)**[2]
  MAD-000698QD-3/V
  MAD-000698QD/V
- **concentrated**
  MAD-000698Q - 1:50 recommended dilution

COMPOSITION

Anti-human CA19-9 mouse monoclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

Intended use IVD: Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

Clone: 121SLE

Ig isotype: Mouse IgM

Immunogen: Immunoprecipitate obtained after immunodiffusion of MAb 19-9 and mucins isolated from an ovarian cyst of a 0Le(a+b-) patient

Species reactivity: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS

CA19-9 antigen is highly expressed in gastrointestinal (gastric, pancreatic, and colonic) adenocarcinomas and salivary gland mucoepidermoid carcinomas. Anti-CA19-9 antibody is usually not reactive with breast, kidney, and prostate carcinomas.

IHC positive control: Colon, salivary gland or liver

Visualization: Cell cytoplasm

IHC recommended procedure:

- 4µm thick section should be taken on charged slides; dry overnight at 60ºC
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8[3] for 20 min at 95ºC. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY

Stored at 2-8ºC. Do not freeze. Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this document, the user must first check its correct performance taking into account the product warranty is no longer valid.

WARNINGS AND PRECAUTIONS

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

SAFETY RECOMMENDATIONS

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory@vitro.bio.

[1] These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:
- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).
- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).

For different presentations (references / volumes) please contact the supplier.

[2] For Technical specifications for MD-Stainer, please contact your distributor.

[3] Ref: MAD-004072R/D

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CE IVD

BIBLIOGRAPHY

1. Haglund C,Lindgren J,Roberts PJ, Kuusela P, Nordling S: Tissue expression of the tumour associated antigen CA242 in benign and malignant pancreatic lesions. A comparison with CA50 and CA19-9.Br J Cancer. 60: 845-851 (1989).
2. DelMaschio A, Vanzulli A, Sironi S, Castrucci M, Mellone R, Staudacher C, Carlucci M, Zerbi A, Parolini D, Faravelli A, et al: . Pancreatic cancer versus chronic pancreatitis: diagnosis with CA 19-9 assessment, US, CT, and CT-guided fineneedle biopsy. Radiology. 178:95-9 (1991).
3. Gattani AM, Mandeli J, Bruckner HW: Tumor markers in patients with pancreatic carcinoma. Cancer. 78:57-62 (1996).
4. Safi F, Schlosser W, Falkenreck S, Beger HG: Prognostic value of CA 19-9 serum course in pancreatic cancer. Hepato-Gastroenterol. 45:253-9 (1998).
5. Rhodes JM: Usefulness of novel tumour markers. Ann Oncol. 10 Suppl 4:118-21 (1999).

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration date
	Temperature limit
	Manufacturer
	Sufficient content for <n> assays
	Catalog number
	Lot code
	Refer to the instructions of use
	Medical product for *in vitro* diagnosis.
	Material safety data sheet

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