CA19-9 (Sialyl Lewisa)
Clone C241:5:1:4
Cat. no. MONX10451

Specificity
Sialyl Lewisa-containing glycolipids. The epitope recognised is designated CA19-9. There is minimal cross-reactivity (<1%) with Sialyl Lacto-N-tetraosylceramide. Does not crossreact with Lewisa, Lewisb, or structurally-related substances. MONX10451 reacts specifically with Sialyl Lewisa-containing glycolipids, showing no cross-reaction with Lewisa, Lewisb or other structurally-related molecules. The epitope recognised by MONX10451 is designated CA19-9 and is similar to CA50. Both CA19-9 and CA50 antigens are useful serum markers in the diagnosis and follow up of gastrointestinal and pancreatic cancers. In carcinoma of the pancreas, immunohistochemical expression of both CA19-9 and CA50 correlates with tumour differentiation where strongest staining is observed in well differentiated lesions. CA19-9 and CA50 antigens are also expressed in benign lesions eg chronic pancreatitis.

Immunoglobulin type
Murine IgG1

Use
The antibody can be used for immunohistochemistry on frozen and paraffin sections.

Instructions for use
Immunohistochemistry:
Typical working dilution 1:200.
High temperature antigen unmasking technique.
60 minutes primary antibody incubation at 25°C.
Standard ABC technique.

Staining pattern : Extracellular membrane-associated
Antigen used for immunisations : Human colorectal adenocarcinoma cell line COLO 205.

Positive control
A high percentage of colorectal adenocarcinomas are positive.

Presentation
Lyophilised antibody purified and diluted in PBS with 1% BSA containing 15mM sodium azide. Reconstitute with 1ml or 0.1ml of sterile distilled water as indicated on vial label.

Literature
Storage and Handling
Store unopened lyophilised antibody at 4°C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 4°C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20°C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.