

Mouse Anti Human CA19-9 Monoclonal Antibody

DMABT-52190MH Mouse(CA19-9)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti Human CA19-9
Immunogen	SW1116 human colorectal cancer cells
Host	Mouse
Isotype	IgG1
Species	Human
Clone	2227-OT-20-0
Conjugation	N/A
Applications	IHC, ELISA, FCM, IP, WB
Dilution	IHC: 1/10 - 1/40

PACKAGING

Format	Purified IgG - liquid
Buffer	Phosphate buffered saline
Storage	Store at +4 °C or at -20 °C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.1% Sodium Azide 1% Bovine Serum Albumin
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	CA19-9 (carbohydrate antigen 19-9, also called cancer antigen 19-9 or sialylated Lewis (a) antigen) is a blood test from the tumor marker category. It was discovered in patients with colon cancer and pancreatic cancer in 1981. According to Takada et al. (Takada et al., 1993) sialyl Lewis a antigen is mainly responsible for adhesion of human colon, pancreas and gastric cancer cells to the endothelium as well as bladder cancer. Increased levels of CA19-9 are also found in non-malignant conditions, such as Mirizzi's syndrome and diseases of the bile ducts and liver. Guidelines from the American Society of Clinical Oncology discourage the use of CA19-9 as a test for cancer, particularly pancreatic cancer. The reason is that the test may be falsely normal (false negative) in many cases, or abnormally elevated in people who have no cancer at all (false positive). The main use of CA19-9 is therefore to see whether a pancreatic tumor is secreting it; if that is the case, then the levels should fall when the tumor is treated, and they may rise again if the disease recurs. In patients who lack the Lewis antigen (a blood type protein on red blood cells), which is about 5% of the population, CA19-9 is not elevated in pancreatic cancer even with large tumors because they have a deficiency of a fucosyltransferase enzyme that is needed to produce CA19-9 as well as the Lewis antigen.
Keywords	Cancer Antigen CA19-9; CA19.9; Ovarian tumor antigen; Pancreatic tumor antigen; Sialyl Lewis a; CA19-9; carbohydrate antigen 19-9; cancer antigen 19-9; sialylated Lewis (a) antigen