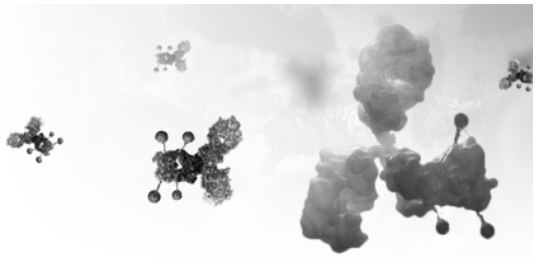
CD Creative Diagnostics®



Anti-CA19-9 monoclonal antibody, clone 107-4B4 (DMAB4579)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	CA19-9 Antigen. Does not crossreact with CA125, CA72-4, CA242, PSA and CEA.
Target	CA19-9
Immunogen	Human colorectal adenocarcinoma cell-line COLO205
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	107-4B4
Affinity Constant	Not determined
Purification	90% pure (SDS-PAGE). Protein A chromatography Product is 0.2um filtered.
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended antibody pairs for sandwich immunoassay: Capture Detection DMAB4579 DMAB4581 DMAB4580 DMAB4579 DMAB4581 DMAB4579 Titration curve of DMAB4579 in indirect ELISA

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	Antigen: CA19-9 Antigen coated at 30 Units per well. Antibody: Dilution series of DMAB4587. followed by Goat anti-Mouse IgG Fc:HRP conjugate and TMB substrate
Format	Purified, Liquid
Concentration	5.34mg/ml (OD280nm, E0.1%=1.4)
Size	1 mg
Buffer	10mM Sodium phosphate, 150mM Sodium chloride, pH 7.4±0.2
Preservative	0.05% Sodium Azide
Storage	Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	CA19-9(carbohydrate antigen 19-9, also called cancer antigen 19-9 or sialylatedLewis (a) antigen) is a blood test from the tumor marker category. It wasdiscovered in patients with colon cancer and pancreatic cancer in 1981."According to Takada et al. (1993) (Takada et al., 1993) sialyl Lewis aantigen is mainly responsible for adhesion of human colon, pancreas andgastric cancer cells to the endothelium" as well as bladder cancer. Increasedlevels of CA19-9 are also found in non-malignant conditions, such asMirizzi"s syndrome and diseases of the bile ducts and liver.
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

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221