BMA BIOMEDICALS

Monoclonal Antibody to Human CEA

Carcino Embryonic Antigen

Monoclonal antibody C19 is useful to detect CEA in malignant adenocarcinoma, notably in the gastro-intestinal tract. Clinical relevance is also found in breast, lung, prostatic, ovarian and other carcinomas of endodermal origin (stomach, liver, pancreas). This particular antibody also stains granulocytes in blood smears and tonsils, as well as epithelial cells.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1314 (Lot 02PO1309)
Clone:	C19
Host species, isotype:	Mouse IgG1
Quantity:	200µg
Format:	Affinity purified, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). **Approximate working dilution for IHC:** Frozen sections: not tested. Paraffin sections: 0.1µg/ml (1:4000); pretreatment in microwave with citrate buffer for antigen retrieval is recommended Optimal dilutions should be determined by the end user Suggested positive control: Human colon carcinoma. Please see **www.bma.ch** for protocols and general information
Protein database:	human-P06731
Antigen, epitope:	CEA is a glycoprotein of 180kDa m.w. It is a normal constituent of the glycocalix of embryonic endodermal epithelium and is produced mainly in the mucosa of the normal colon.

Selected references

Gold, P., Freeman, S.O. : Demonstration of tumor-specific antigens in human colonic carcinoma by immunological tolerance and absorption techniques. J. Exp Med **121**: 439 (1965).

For in vitro research only. This product contains Kathon™ CG as a preservative.

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