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## **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.

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**Product Number:** T-1314 (Lot 01PO9604)

**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), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative.

**Stability:** Original vial: 1 year at 4° - 8°C

Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

**Applications:** Tested for immunohistochemistry (IHC).

**Approximate working dilution for IHC:**

Frozen sections: not tested

Paraffin sections: 0.1µg/ml (1:4000); microwave pretreatment 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.

**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.

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### **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. Caution: this product contains thimerosal, a poisonous and hazardous substance.