

Carcinoembryonic antigen, CEA, 180 kD, clone PARLAM4 Monoclonal Antibody

Catalog No.: MON 9008

Quantity: 1 ml

Specificity

This monoclonal antibody is reactive with human carcinoembryonic antigen (CEA), a tumor associated antigen with oncofetal characteristics. Immunoblotting - antibody reacts with a single band of 180 kD. In immunohistochemistry on tissue sections: no reactivity with granulocytes, bile canaliculi, alveolar epithelium. No crossreactivities have been observed.

CEA can be found in a large variety of carcinomas, but also in the tissue of non-neoplastic diseases and normal epithelia. Despite this lack of specificity, immunohistochemical detection of CEA is frequently used for the histopathological diagnosis of human tumors. Most polyclonal, non purified, CEA antisera show cross reactivity with related antigens such as biliary glycoprotein (BGP) and non-specific cross reacting antigen 1/11 (NCA). Our monoclonal CEA antibody does not show cross reactivity neither with BGP nor with NCA.

Antigen isolated from: membrane of human colon carcinoma cells. Antigen location: membrane, cytoplasm. Crossreactivity: reacts only with human CEA.

Immunoglobulin type

Murine IgG₁

Use

Immunohistochemical detection of CEA is frequently used for the histopathological diagnosis of human tumors.

Instructions for use

Applicable on frozen sections after fixation with acetone, for 5 min. at -20C.

paraffin sections fixation with formalin. Working dilution 1:5-1:10. Optimal dilution should be tested by serial dilutions.

Presentation

1 ml. purified diluted ascites in TRIS/HCL with 0.09% sodium azide.

Purification method: Affinity chromatography.

Literature

- Verstijnen, C.P.H.J., et al., 1986, Anticancer Research 6, 97-104.

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