



Mouse anti CEA Monoclonal Antibody

Alternative Name(s): Carcinoembryonic antigen-related cell adhesion molecule; CEA; CD66e

Order Information

- **Description:** CEA
- **Catalogue:** 603-070
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM330
- **Application:** IHC(P), WB, ELISA
- **Reactivity:** Hu

ANTIGEN PREPARATION

A full length of human CEA recombinant protein

BACKGROUND

Carcinoembryonic antigen (CEA), is synthesized during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibody to CEA is found in various metastatic adenocarcinomas and in pulmonary adenocarcinomas. Carcinoembryonic antigen (CEA), tumour-associated glycoprotein-72 (TAG-72), folate receptor- α (FR α) and Epithelial growth factor receptor (EGFR) are most sensitive and specific common markers in colorectal cancer-specific biomarkers which have been used as molecular targets for fluorescent intra-operative imaging, targeted PET/MRI, and selective cytotoxic drug delivery.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CEA. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

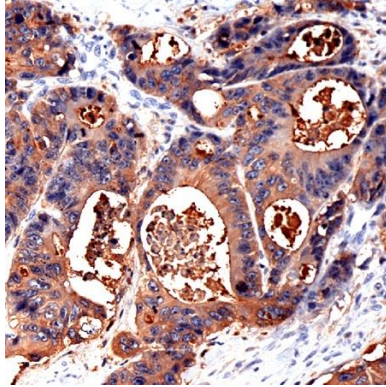
- Western Blot: 0.1-1 $\mu\text{g}/\text{ml}$
- ELISA: 0.01-0.1 $\mu\text{g}/\text{ml}$
- Immunoprecipitation: 2-5 $\mu\text{g}/\text{ml}$
- IHC: 2-10 $\mu\text{g}/\text{ml}$
- Flow cytometry: Not tested
- Molecular Weight: 120.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Colon Carcinoma (FFPE) stained with Mouse anti-CEA (Cat# 603-070) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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