

CEA Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1509a

Product Information

ApplicationWB, IHC, EPrimary AccessionP06731ReactivityHumanHostMouseClonalityMonoclonal

Clone Names 1C7 Isotype IgG1 Calculated MW 76795 Da

Description Carcino Embryonic Antigen (CEA) is synthesised during development in the

fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibodies to CEA are useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60 to 70% are CEA+) from pleural

mesotheliomas (rarely or weakly CEA+). The carcinoembryonic antigen (CEA) is a member of a large family of glycoproteins and a useful tumor marker for

adenocarcinoma. Tissue specificity: Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

Immunogen Purified recombinant fragment of human CEA expressed in E. Coli.

Formulation Ascitic fluid containing 0.03% sodium azide.

Additional Information

Other Names Carcinoembryonic antigen-related cell adhesion molecule 5,

Carcinoembryonic antigen, CEA, Meconium antigen 100, CD66e, CEACAM5,

CEA

Dilution WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 E~~1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CEA Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

References

1. Scand J Clin Lab Invest. 2008;68(8):703-13. 2. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2008 Apr;24(4):370-2. Chinese.

Images

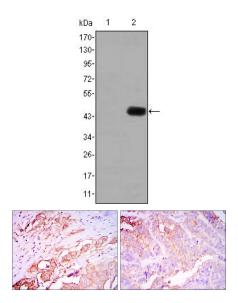


Figure 1: Western blot analysis using CEA mAb against HEK293 (1) and CEA(AA: 460-600)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 2: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues (left) and stomach cancer tissues (right) using CEA mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.