



CEA

Catalog number

030087

Supplier

United States Biological

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.

Applications

Western Blotting: 1:500-1:2000.

Immunohistochemistry: 1:200-1:1000.

ELISA: Suggested dilution 1:10000.

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Purified recombinant fragment of human CEA expressed in E. coli.

Formulation

Ascites fluid, 0.03% sodium azide.

Purity

Ascites

Specificity

Human

Product Type

Mab

Source

human

Isotype

IgG1

Grade



Ascites

Applications

E IHC WB

Crossreactivity

Hu

Storage

-20°C

MW

77

Reference

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.