



CEA Mouse Monoclonal Antibody

E10-30157

Background: 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.

Catalog Number: E10-30157

Amount: 100µg/100µl

Clone Number: 1C7

Species: Mouse IgG1

MW: 77kDa

Aliases: CEA; CD66e; DKFZp781M2392; CEACAM5

Entrez Gene: 1048

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

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, ELISA: Propose dilution 1/10000.

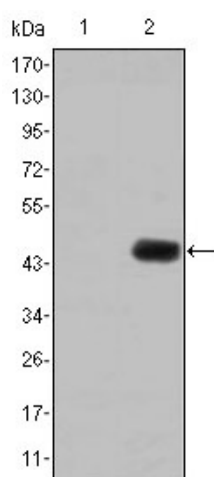


Figure 1: Western blot analysis using CEA mAb against HEK293 (1) and CEA-hlgGfC transfected HEK293 (2) cell lysate.

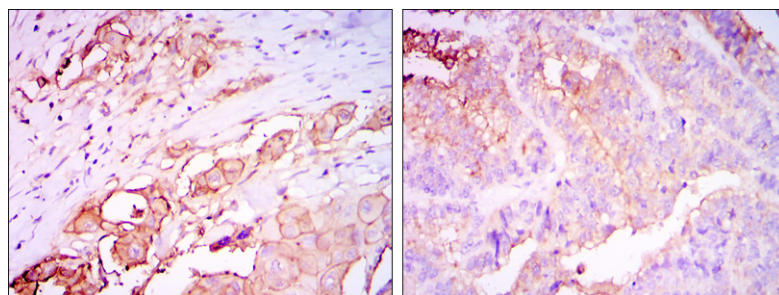
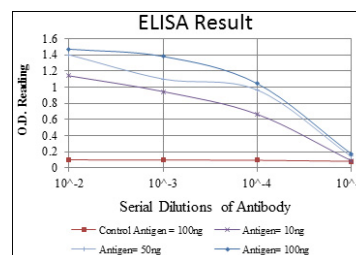


Figure 2: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues (left) and stomach cancer tissues (right) using CEA mouse mAb with DAB staining.



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