



Product Information Sheet

Monoclonal Anti-Carcinoembryonic Antigen, CEA

Catalogue No. MA1023

Lot No. 08A12

Clone: CEA-9

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

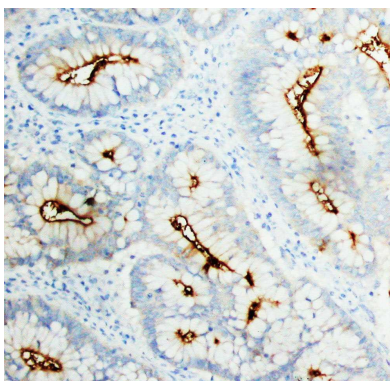
Human.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

Carcinoembryonic antigen(CEA) isolated from a human colon adenocarcinoma cell line.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect CEA in cells and tissues.

Immunohistochemistry(P)

At 0.5-2µg/ml to detect CEA in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for three month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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BACKGROUND

Carcinoembryonic antigen is a complex immunoreactive glycoprotein with a molecular weight of 180,000 comprising 60% carbohydrate. It is found in adenocarcinomas of endodermally derived digestive system epithelia and in fetal colon. Carcinoembryonic antigen is one of the most widely used tumor markers in serum immunoassay determinations of carcinoma.

REFERENCE

1. Barnett, T.; Goebel, S. J.; Nothdurft, M. A.; Elting, J. J. : *Carcinoembryonic antigen family: characterization of cDNAs coding for NCA and CEA and suggestion of nonrandom sequence variation in their conserved loop-domains. Genomics 3: 59-66, 1988.*
- 2 Gold, P.; Freedman, S. O. : *Demonstration of tumor-specific antigens in human colonic carcinomata by immunological tolerance and absorption techniques. J. Exp. Med. 121: 439-462, 1965*