BOSTER
Antibody and ELISA Experts

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Monoclonal Anti-CEACAM5/Cd66e Antibody

Catalog Number: MA1023

Description

Lot No.	08A12
Clone	C6G9
Size	100μg/vial
Form	lyophilized
Ig type	mouse IgG1
Specificity	No cross reactivity with other proteins.
Species	Human
Immunogen	Carcinoembryonic antigen-related cell adhesion molecule 5 (CEA) isolated from a human colon adenocarcinoma cell line.
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN_3 as preservative.

Application

	Concentration	Tested Species	Antigen Retrieval
Western blot	0.5-1μg/ml	Human	-
Immunohistochemistry (Paraffin-embedded Section)	0.5-2μg/ml	Human	By Heat

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Storage: At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time.
Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1001 in WB, supported by SA1021 in IHC(P).

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.