Anti-CEA Antibody (1A5C3)

CATALOG NO: A1356-1000

AMOUNT: 1 mg

ALTRERNATE NAMES: CEA, Meconium antigen 100, CD_antigen: CD66e, Carcinoembryonic antigen-related cell adhesion molecule 5

IMMUNOGEN: Native CEA protein

CLONALITY: Monoclonal

CLONE: 1A5C3

HOST/ISOTYPE: Mouse IgG1, κ

PURIFICATION: Protein A purification

FORM: Liquid

CONCENTRATION: 0.5 mg/ml

FORMULATION: In PBS buffer, pH 7.4, containing 0.02% sodium azide

STORAGE CONDITIONS: For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

SENSITIVITY: The limit of detection for antibody pairs is 0.5 ng/ml

SPECIFICITY: CEA monoclonal antibodies (1A5C3 and 3C5C10) recognize human native CEA protein.

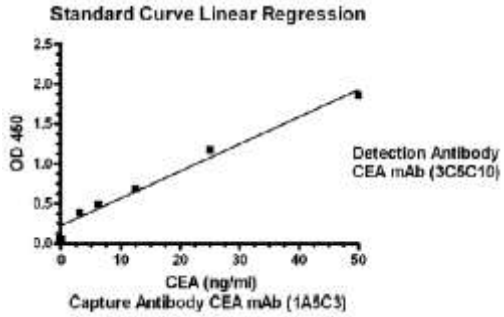
DESCRIPTION: Carcinoembryonic antigen (CEA) is a complex glycoprotein of molecular weight 200 kDa. In healthy adults, less than 5 ng/ml of CEA is found in the serum. Elevation of CEA antigen is found in the blood of patients with cancer of the lung, liver, pancreas, breast, cervix, prostate and so on. CEA measurement is mainly used as a tumor marker to identify recurrences after surgical resection, or localize cancer spread though dosage of biological fluids. The CEA blood test is not reliable for diagnosing cancer. CEA levels may also be raised in some conditions like ulcerative colitis, pancreatitis and cirrhosis.
CEA Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with native human CEA protein

APPLICATION: These antibodies are perfect choice for in vitro diagnostic assay development. **They are prepared for non-clinical research use only.** The recommended pairs are based on our laboratory results.

ELISA Capture: 1-10 µg/ml, ELISA Detection: 0.05-0.2 µg/ml

	Capture	
Detection	A1356 (1A5C3)	A1357 (3C5C10)
A1356 (1A5C3)		-
A1357 (3C5C10)	+	

The above Data was achieved by Sandwich ELISA. '+' means reaction and '-'means no reaction. The number of '+' represents reaction intensity.



Antibody pairs analysis of CEA monoclonal antibodies by Sandwich ELISA

General conditions for sandwich ELISA:

1. Microplate was incubated with a capture antibody against CEA and blocked with PBS containing1% BSA, followed by 3 washing cycles.
2. Incubation with AFP protein followed by 3 washing cycles.
3. Incubation with Biotin labeled detection antibody against CEA, followed by 3 washing cycles
4. Incubation with Streptavidin-HRP, followed by 3 washing cycles.
5. Bound peroxidase activity was determined using Colorimetric detection.

RELATED PRODUCTS:

- Carcinoembryonic Antigen (CEA) (human) ELISA Kit **(Cat. No. K4805)**
- Anti-Carcinoembryonic antigen (Arcitumomab), Human IgG1 Ab **(Cat. No. A1096)**
- Human CellExp™CEACAM6/CD66c, human recombinant **(Cat. No. 7837)**

FOR RESEARCH USE ONLY! Not to be used on humans.

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