

Monkey Carcinoembryonic Antigen ELISA Kit | CEA elisa kit

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CATALOG #
AAA91546

REACTIVITY
Monkey

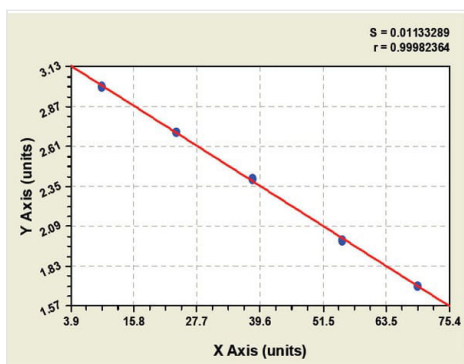
PRODUCT SYNONYMS

Carcinoembryonic Antigen; Monkey Carcinoembryonic Antigen ELISA Kit; CEA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CEA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CEA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CEA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CEA antibody and an CEA-HRP conjugate. The assay sample and buffer are incubated together with CEA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CEA concentration since CEA from samples and CEA-HRP conjugate compete for the anti-CEA antibody binding site. Since the number of sites is limited, as more sites are occupied by CEA from the sample, fewer sites are left to bind CEA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CEA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CEA elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	180211
Molecular Weight	76,724 Da
NCBI Official Full Name	carcinoembryonic antigen
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cea-monkey-elisa-kits/carcinoembryonic-antigen/91546>