

Rat Carcinoembryonic Antigen ELISA Kit | CEA elisa kit

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CATALOG #
AAA82187

REACTIVITY
Rat

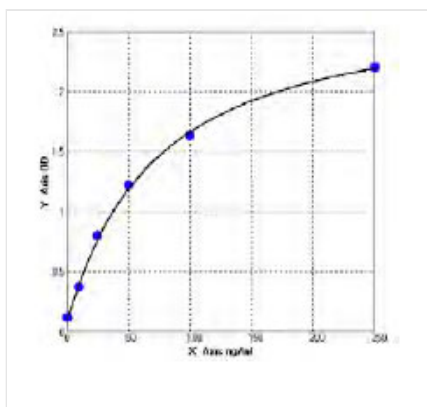
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/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

Intended Uses: This CDSN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea CDSN. This ELISA kit for research use only!

Principle of the Assay: CDSN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDSN antibody and an CDSN-HRP conjugate. The assay sample and buffer are incubated together with CDSN-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 CDSN concentration since CDSN from samples and CDSN-HRP conjugate compete for the anti-CDSN antibody binding site. Since the number of sites is limited, as more sites are occupied by CDSN from the sample, fewer sites are left to bind CDSN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDSN concentration in each sample is interpolated from this standard curve.

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://www.aaabiotech.com/cea-rat-elisa-kits/carcinoembryonic-antigen/82187>