

Human carcinoembryonic antigen (CEA) ELISA Kit | CEA elisa kit

Human carcinoembryonic antigen (CEA) quantitative detection ELISA Kit

CATALOG #
AAA210651

REACTIVITY
Human

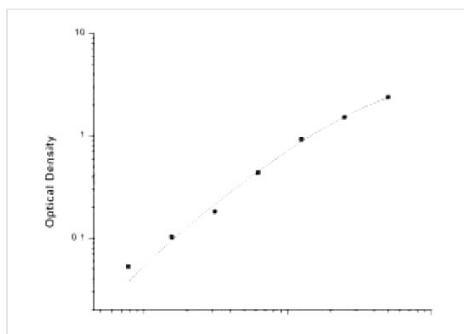
PRODUCT SYNONYMS

carcinoembryonic antigen (CEA); Human carcinoembryonic antigen (CEA) quantitative detection ELISA Kit; CEA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit identifies natural and recombinant Human CEA, with No crossing with structural analogs.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, and cell culture supernatant
Detection Range	1.25 ng/mL - 80 ng/mL
Sensitivity	< 0.1 ng/mL
Intra-assay Precision	In the same lot CV%<10?3 groups of known high, medium, and low concentration samples were evaluated 20 times on the same plate.
Inter-assay Precision	Different lot CV%<15: 3 groups of known high, medium, and low concentration samples were evaluated 20 times on different plates.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEA elisa kit	Principle of the Assay: This ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with Human CEA antigen (solid phase antigen), standards or samples are added to the microtiter plate wells, then add anti- Human CEA HRP labeled antibody. Wells are thoroughly washed to remove all unbound components. And a sandwich complex of solid antigen-antibody enzyme-labeled secondary antibodies is formed on the solid surface of the microplate. Next, Substrate solution A and substrate solution B are added to each well, and it will produce blue materials under HRP catalysis. The enzyme-substrate reaction is terminated by the addition of sulphuric acid and the color change to yellow. Measured spectrophotometrically at a wavelength of 450 nm, the absorbance (OD value) is positively correlated with the concentration of Human CEA in the sample. The concentration of CEA in the samples could be determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This kit is used for detecting the Human CEA concentration of serum, plasma, and cell culture supernatant.
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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/human-elisa-kits/carcinoembryonic-antigen-cea/210651>