

Rat Colon Cancer Antigen ELISA Kit | CCA elisa kit

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CATALOG #
AAA81830

REACTIVITY
Rat

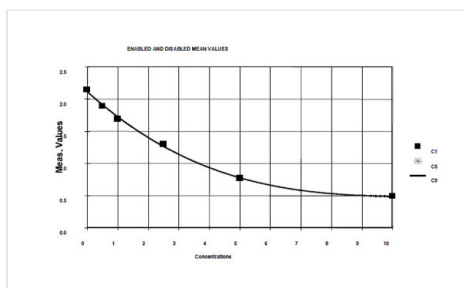
PRODUCT SYNONYMS

Colon Cancer Antigen; Rat Colon Cancer Antigen ELISA Kit; CCA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCA elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This CCA ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CCA in the sample, this CCA ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CCA concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of CCA utilizes a monoclonal anti-CCA antibody and an CCA-HRP conjugate. The assay sample and buffer are incubated together with CCA-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 CCA concentration since CCA from samples and CCA-HRP conjugate compete for the anti-CCA antibody binding site. Since the number of sites is limited, as more sites are occupied by CCA from the sample, fewer sites are left to bind CCA-HRP conjugate. Standards of known CCA concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of CCA. The CCA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CCA elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	226941212
NCBI Accession #	YP_002796286.1
NCBI GenBank Nucleotide #	NC_012559.1
Molecular Weight	45,414 Da
NCBI Official Full Name	Cca
UniProt Protein Name	Multifunctional CCA protein
UniProt Gene Name	cca
UniProt Synonym Gene Names	LHK_02293
UniProt Entry Name	CCA_LARHH

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/cca-rat-elisa-kits/colon-cancer-antigen/81830>