

Rat Cholecystokinin (CCK) ELISA Kit | CCK elisa kit

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CATALOG #
AAA64271

REACTIVITY
Rat

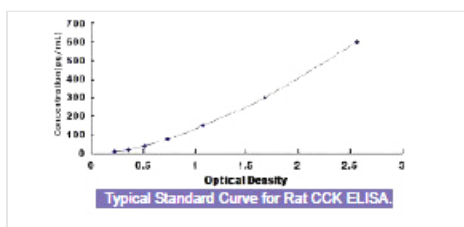
PRODUCT SYNONYMS

Cholecystokinin (CCK); Rat Cholecystokinin (CCK) ELISA Kit; CCK-PZ; Cholecystokinin-58 desnonopeptide; CCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CCK. No significant cross-reactivity or interference between CCK and analogues was observed.
Sequence Length	115
Samples	Serum, plasma and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	12.5-800pg/mL
Sensitivity	3.75pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CCK were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CCK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCK elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CCK in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CCK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CCK. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CCK, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CCK in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978613
NCBI GeneID	25298
NCBI Accession #	NP_036961.1
NCBI GenBank Nucleotide #	NM_012829.2
UniProt Accession #	P01355
Molecular Weight	12,841 Da
NCBI Official Full Name	cholecystokinin preproprotein
NCBI Official Synonym Full Names	cholecystokinin
NCBI Official Symbol	Cck
NCBI Protein Information	cholecystokinin
UniProt Protein Name	Cholecystokinin
UniProt Gene Name	Cck
UniProt Synonym Gene Names	CCK; CCK39; CCK33; CCK22; CCK12; CCK8

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.