

Human Cholecystokinin (CCK) ELISA Kit | CCK elisa kit

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CATALOG #
AAA66785

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 4.55pg/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.

ADDITIONAL INFORMATION

Related Product Information for CCK elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CCK has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CCK and unlabeled CCK (Standards or samples) with the pre-coated antibody specific to CCK. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of CCK in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CCK in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CCK in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502605
NCBI GeneID	885
NCBI Accession #	NP_000720.1
NCBI GenBank Nucleotide #	NM_000729.5

UniProt Accession #	P06307
Molecular Weight	12,669 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; CCK58; CCK39; CCK33; CCK25; CCK18; CCK12; CCK8; CCK7; CCK5

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/cholecystokinin-cck/66785>