

Bovine Cholecystokinin (CCK) ELISA Kit | CCK elisa kit

Cattle Cholecystokinin (CCK) ELISA Kit

CATALOG #
AAA182086

REACTIVITY
Bovine

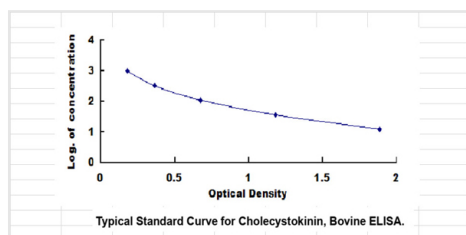
PRODUCT SYNONYMS

Cholecystokinin (CCK); Cattle Cholecystokinin (CCK) ELISA Kit; CCK-PZ; CCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of cholecystokinin. No significant cross-reactivity or interference between cholecystokinin and analogues was observed.
Sequence Length	115
Assay Type	Quantitative Competitive
Samples	Bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	< 4.64pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level cholecystokinin 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 cholecystokinin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

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 cholecystokinin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled cholecystokinin and unlabeled cholecystokinin (Standards or samples) with the pre-coated antibody specific to cholecystokinin. 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 cholecystokinin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of cholecystokinin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of cholecystokinin in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	292494892
NCBI GeneID	885
NCBI Accession #	NP_001167609.1
NCBI GenBank Nucleotide #	NM_001174138.2
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.