

Rat cathepsin K ELISA Kit | CTSK elisa kit

Rat Cathepsin K, Cath-K ELISA Kit

CATALOG #
AAA112929

REACTIVITY
Rat

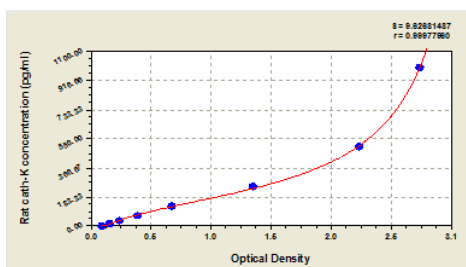
PRODUCT SYNONYMS

cathepsin K; Rat Cathepsin K; Cath-K ELISA Kit; cath-K ELISA Kit; RP11-363I22.4; CTSO2; CTSO; CTSO1; CTSO2; MGC23107; PKND; PYCD; cathepsin O1; cathepsin O2; cathepsin X; CTSK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat cath-K. No significant cross-reactivity or interference between rat cath-K and analogues was observed.
Sequence Length	329
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of rat cath-K is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSK elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for cath-K has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any cath-K present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for cath-K is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of cath-K bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130502110
NCBI GeneID	100009334
NCBI Accession #	NP_001076110.1
NCBI GenBank Nucleotide #	NM_001082641.1
UniProt Accession #	P43236
Molecular Weight	36,870 Da
NCBI Official Full Name	cathepsin K
NCBI Official Symbol	CTSK
NCBI Official Synonym Symbols	OC-2
NCBI Protein Information	cathepsin K; protein OC-2
UniProt Protein Name	Cathepsin K
UniProt Gene Name	CTSK
UniProt Entry Name	CATK_RABIT

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/ctsk-rat-elisa-kits/cathepsin-k/112929>