

Human cathepsin S ELISA Kit | CTSS elisa kit

Human Cathepsin S, CTSS ELISA Kit

CATALOG #
AAA80750

REACTIVITY
Human

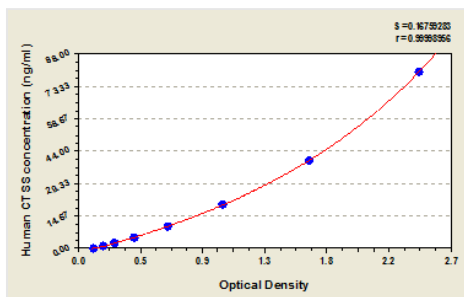
PRODUCT SYNONYMS

cathepsin S; Human Cathepsin S; CTSS ELISA Kit; Human Cathepsin S (CTSS) ELISA Kit; MGC3886; ; CTSS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CTSS. No significant cross-reactivity or interference between Human CTSS and analogues was observed.
Sequence Length	281
Samples	Serum, plasma, cell culture supernates, tissue homogenates, Cell lysates
Detection Range	1.25 ng/ml-80 ng/ml
Sensitivity	0.31 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 CTSS elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CTSS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for CTSS and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain CTSS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of CTSS 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 #	315075311
NCBI GeneID	1520
NCBI Accession #	NP_001186668.1
NCBI GenBank Nucleotide #	NM_001199739.1
UniProt Accession #	P25774; Q5T5I0; Q6FHS5; Q9BUG3; B4DWC9; D3DV05
Molecular Weight	37,496 Da
NCBI Official Full Name	cathepsin S isoform 2 preproprotein
NCBI Official Synonym Full Names	cathepsin S
NCBI Official Symbol	CTSS
NCBI Protein Information	cathepsin S
UniProt Protein Name	Cathepsin S
UniProt Gene Name	CTSS
UniProt Entry Name	CATS_HUMAN

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/ctss-human-elisa-kits/cathepsin-s/80750>