

Rabbit Cathepsin S ELISA Kit | Cath-S elisa kit

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CATALOG #
AAA82437

REACTIVITY
Rabbit

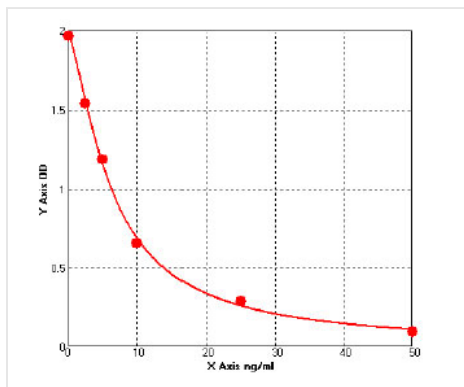
PRODUCT SYNONYMS

Cathepsin S; Rabbit Cathepsin S ELISA Kit; Cath-S elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of CTS. No significant cross-reactivity or interference between CTS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cath-S elisa kit	Principle of the Assay: CTS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTS antibody and an CTS-HRP conjugate. The assay sample and buffer are incubated together with CTS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTS concentration since CTS from samples and CTS-HRP conjugate compete for the anti-CTS antibody binding site. Since the number of sites is limited, as more sites are occupied by CTS from the sample, fewer sites are left to bind CTS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTS concentration in each sample is interpolated from this standard curve. Intended Uses: This CTS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit CTS. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Cath-S elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	179957
NCBI GeneID	1520
Molecular Weight	31,626 Da
NCBI Official Full Name	cathepsin S
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://stage.aaabiotech.com/cath-s-rabbit-elisa-kits/cathepsin-s/82437>