

Rat Cathepsin S ELISA Kit | Cath-S elisa kit

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CATALOG #
AAA85512

REACTIVITY
Rat

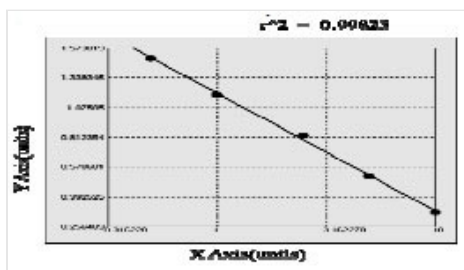
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This CTSS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CTSS. This ELISA kit for research use only, not for therapeutic applications!
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: CTSS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTSS antibody and an CTSS-HRP conjugate. The assay sample and buffer are incubated together with CTSS-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 CTSS concentration since CTSS from samples and CTSS-HRP conjugate compete for the anti-CTSS antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSS from the sample, fewer sites are left to bind CTSS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSS concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cath-s-rat-elisa-kits/cathepsin-s/85512>