

Cathepsin S (CTSS) ELISA Kit | CTSS elisa kit

Mouse cathepsin S ELISA Kit (CTSS)

CATALOG #
AAA87984

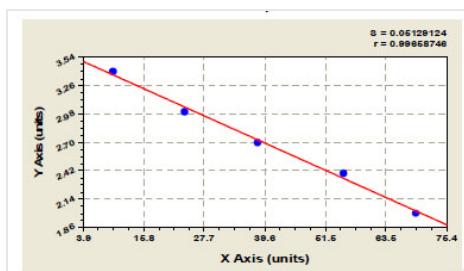
PRODUCT SYNONYMS

Cathepsin S (CTSS); Mouse cathepsin S ELISA Kit (CTSS); CTSS elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	331
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CTSS elisa kit

Principle of the assay: CTS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	179957
NCBI GeneID	1520
UniProt Accession #	P25774; Q5T5I0; Q6FHS5; Q9BUG3; B4DWC9; D3DV05

Molecular Weight	37,496 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/elisa-kits/cathepsin-s-ctss/87984>