

Mouse Cystatin-SA (CST2) ELISA Kit | CST2 elisa kit

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CATALOG #
AAA244810

REACTIVITY
Mouse

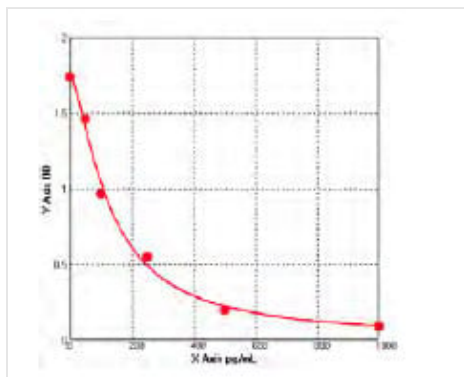
PRODUCT SYNONYMS

Cystatin-SA (CST2); Mouse Cystatin-SA (CST2) ELISA Kit; CST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CST2. No significant cross-reactivity or interference between CST2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CST2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CST2 elisa kit	Intended Uses: This CST2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CST2. This ELISA kit for research use only! Principle of the Assay: CST2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CST2 antibody and an CST2-HRP conjugate. The assay sample and buffer are incubated together with CST2-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 CST2 concentration since CST2 from samples and CST2-HRP conjugate compete for the anti-CST2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CST2 from the sample, fewer sites are left to bind CST2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CST2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CST2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503105
NCBI GeneID	1470
NCBI Accession #	NP_001313.1
NCBI GenBank Nucleotide #	NM_001322.2
Molecular Weight	16,445 Da
NCBI Official Full Name	cystatin-SA
NCBI Official Synonym Full Names	cystatin SA
NCBI Official Symbol	CST2
NCBI Protein Information	cystatin-SA; cystatin 2; cystatin-2; cystatin S5; cystatin-S5; cysteine-proteinase inhibitor; salivary cysteine (thiol) protease inhibitor
UniProt Protein Name	Cystatin-SA
UniProt Gene Name	CST2
UniProt Entry Name	CYTT_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.