

Human Cystatin SA (CST2) ELISA Kit | CST2 elisa kit

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CATALOG #
AAA244849

REACTIVITY
Human

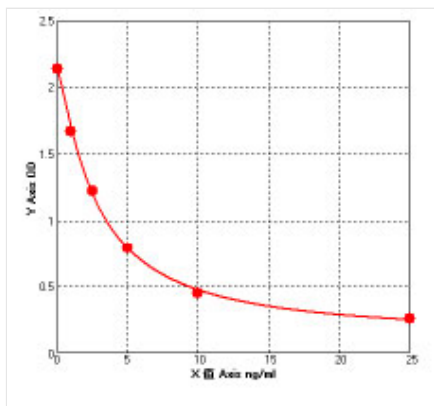
PRODUCT SYNONYMS

Cystatin SA (CST2); Human Cystatin SA (CST2) ELISA Kit; CST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/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 Human CST2. This ELISA kit for research use only! Principle of the Assay: CST2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.