

Human Cystatin SN (CST1) ELISA Kit | CST1 elisa kit

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CATALOG #
AAA245674

REACTIVITY
Human

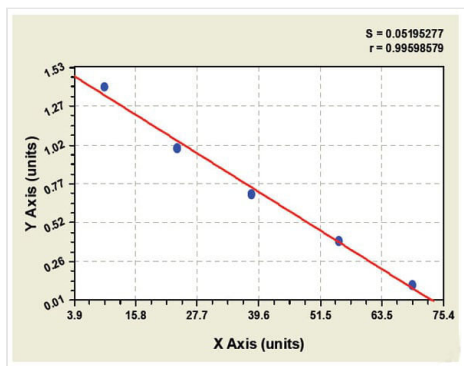
PRODUCT SYNONYMS

Cystatin SN (CST1); Human Cystatin SN (CST1) ELISA Kit; CST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CST1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CST1. 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 CST1 elisa kit

Principle of the assay: CST1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CST1 antibody and an CST1-HRP conjugate. The assay sample and buffer are incubated together with CST1-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 CST1 concentration since CST1 from samples and CST1-HRP conjugate compete for the anti-CST1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CST1 from the sample, fewer sites are left to bind CST1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CST1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19882251
NCBI GeneID	1469
NCBI Accession #	NP_001889.2
NCBI GenBank Nucleotide #	NM_001898.2
Molecular Weight	16,388 Da
NCBI Official Full Name	cystatin-SN
NCBI Official Synonym Full Names	cystatin SN
NCBI Official Symbol	CST1
NCBI Protein Information	cystatin-SN; cystatin 1; cystatin-1; cystain-SA-I; cystatin SA-I; salivary cystatin-SA-1; cysteine proteinase inhibitor, type 2 family
UniProt Protein Name	Cystatin-SN
UniProt Gene Name	CST1
UniProt Entry Name	CYTN_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.