

Human Cystatin D (CST5) ELISA Kit | CST5 elisa kit

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CATALOG #
AAA245595

REACTIVITY
Human

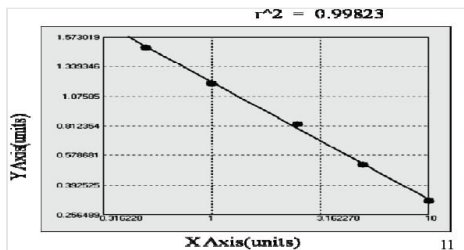
PRODUCT SYNONYMS

Cystatin D (CST5); Human Cystatin D (CST5) ELISA Kit; CST5 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 CSTD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CSTD. 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 CST5 elisa kit

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

Product Categories/Family for CST5 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	19882256
NCBI GeneID	1473
NCBI Accession #	NP_001891.2
NCBI GenBank Nucleotide #	NM_001900.4
Molecular Weight	16,080 Da
NCBI Official Full Name	cystatin-D
NCBI Official Synonym Full Names	cystatin D
NCBI Official Symbol	CST5
NCBI Protein Information	cystatin-D; cystatin 5; cystatin-5; cysteine-proteinase inhibitor
UniProt Protein Name	Cystatin-D
UniProt Gene Name	CST5
UniProt Entry Name	CYTD_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/human-elisa-kits/cystatin-d-cst5/245595>