

Rat Cystatin C ELISA Kit | Cys-C elisa kit

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CATALOG #
AAA87135

REACTIVITY
Rat

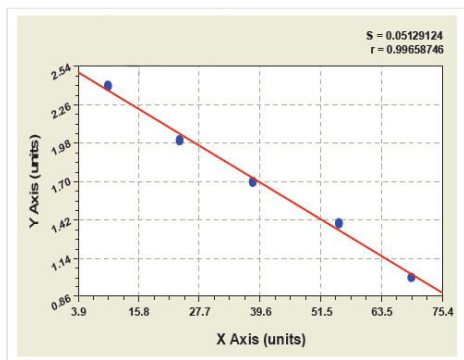
PRODUCT SYNONYMS

Cystatin C; Rat Cystatin C ELISA Kit; Cys-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This Cys-C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Cys-C. 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 Cys-C elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503107
NCBI GeneID	1471
NCBI Accession #	NP_000090.1
NCBI GenBank Nucleotide #	NM_000099.3
Molecular Weight	15,799 Da
NCBI Official Full Name	cystatin-C
NCBI Official Synonym Full Names	cystatin C
NCBI Official Symbol	CST3
NCBI Official Synonym Symbols	ARMD11
NCBI Protein Information	cystatin-C; cystatin 3; cystatin-3; gamma-trace; post-gamma-globulin; bA218C14.4 (cystatin C); neuroendocrine basic polypeptide
UniProt Protein Name	Cystatin-C
UniProt Gene Name	CST3
UniProt Entry Name	CYTC_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.