

Human cystatin C ELISA Kit | CST3 elisa kit

Human Cystatin C, Cys-C ELISA Kit

CATALOG #
AAA79496

REACTIVITY
Human

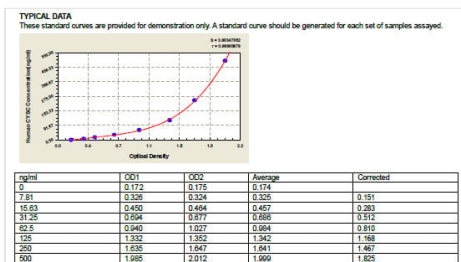
PRODUCT SYNONYMS

cystatin C; Human Cystatin C; Cys-C ELISA Kit; ARMD11; MGC117328; OTTHUMP00000164181; OTTHUMP00000164182; bA218C14.4 (cystatin C) ; cystatin 3; gamma-trace; neuroendocrine basic polypeptide; post-gamma-globulin; Cys-C; CST3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human Cys -C. No significant cross-reactivity or interference between human Cys -C and analogues was observed.
Sequence Length	146
Samples	Serum, plasma, urine, saliva, tissue homogenates
Assay Type	Sandwich
Detection Range	7.81 ng/ml -500 ng/ml.
Sensitivity	The minimum detectable dose of human Cys -C is typically less than 5.824 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CST3 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Cys-C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Cys-C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Cys-C is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Cys-C bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503107
NCBI GeneID	1471
NCBI Accession #	NP_000090.1
NCBI GenBank Nucleotide #	NM_000099.3
UniProt Accession #	P01034; Q6FGW9; B2R5J9; D3DW42
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.