

Human CTSC ELISA Kit | CTSC elisa kit

Human CTSC (Cathepsin C) ELISA Kit

CATALOG #
AAA163893

REACTIVITY
Human

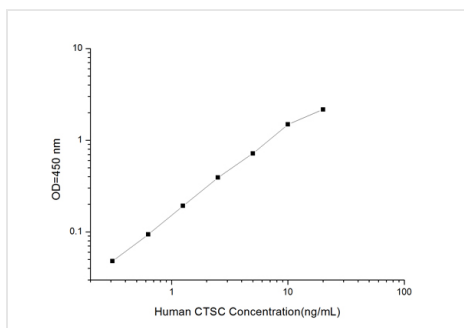
PRODUCT SYNONYMS

CTSC; Human CTSC (Cathepsin C) ELISA Kit; CTSC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CTSC. No significant cross-reactivity or interference between Human CTSC and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human CTSC and all the analogues, therefore, cross reaction may still exist.
Sequence Length	141
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSC elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTSC in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CTSC. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human CTSC and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CTSC, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human CTSC. You can calculate the concentration of Human CTSC in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	88683003
NCBI GeneID	1075
UniProt Accession #	P53634; Q2HIY8; Q53G93; Q71E75; Q71E76; Q7M4N9; Q7Z3G7; Q7Z5U7; Q8WY99; Q8WYA7; A8K7V2; B5MDD5
Molecular Weight	15,700 Da
NCBI Official Full Name	CTSC protein
NCBI Official Synonym Full Names	cathepsin C
NCBI Official Symbol	CTSC
NCBI Official Synonym Symbols	JP; HMS; JPD; PLS; CPPI; DPP1; DPPI; PALS; DPP-I; PDON1
NCBI Protein Information	dipeptidyl peptidase 1; cathepsin J; dipeptidyl peptidase I; dipeptidyl transferase; dipeptidyl-peptidase I
UniProt Protein Name	Dipeptidyl peptidase 1
UniProt Gene Name	CTSC
UniProt Synonym Gene Names	CPPI; DPP-I; DPPI
UniProt Entry Name	CATC_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/ctsc/163893>