

Human Cathepsin C ELISA Kit | Catn C elisa kit

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CATALOG #
AAA91765

REACTIVITY
Human

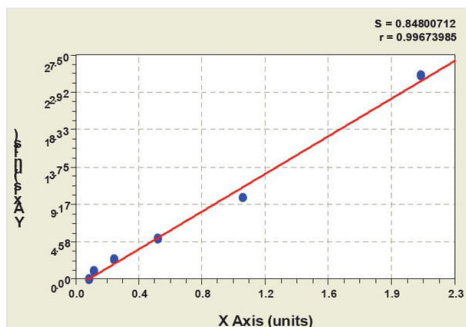
PRODUCT SYNONYMS

Cathepsin C; Human Cathepsin C ELISA Kit; Catn C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Catn-C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Catn-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 Catn C elisa kit

Principle of the Assay: Catn-C ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Catn-C. Standards or samples are then added to the microtiter plate wells and Catn-C if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Catn-C present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for Catn-C are added to each well to "sandwich" the Catn-C immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Catn-C and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Catn-C concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33327024
NCBI GeneID	1075
Molecular Weight	15,700 Da
NCBI Official Full Name	cathepsin C
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/catn-c-human-elisa-kits/cathepsin-c/91765>