Monkey Cathepsin C ELISA Kit | Catn-C elisa kit

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CATALOG #	REACTIVITY
AAA93705	**Monkey**

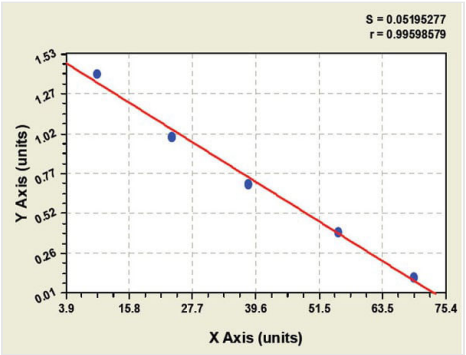
PRODUCT SYNONYMS

Cathepsin C; Monkey Cathepsin C ELISA Kit; Catn-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CTSC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CTSC. 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:** CTSC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTSC antibody and an CTSC-HRP conjugate. The assay sample and buffer are incubated together with CTSC-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 CTSC concentration since CTSC from samples and CTSC-HRP conjugate compete for the anti-CTSC antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSC from the sample, fewer sites are left to bind CTSC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSC 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.

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Online datasheet: https://stage.aaabiotech.com/catn-c-monkey-elisa-kits/cathepsin-c/93705