

Dog Cystatin C (Cys-C) ELISA Kit | Cys-C elisa kit

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CATALOG #
AAA189739

REACTIVITY
Dog

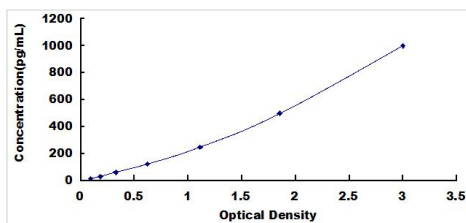
PRODUCT SYNONYMS

Cystatin C (Cys-C); Dog Cystatin C (Cys-C) ELISA Kit; CST3; Cystatin 3; Gamma Trace; Post-Gamma-Globulin; Neuroendocrine Basic Polypeptide; Amyloid Angiopathy And Cerebral Hemorrhage; Cys-C/Cystatin C; Cys-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of Cys-C. No significant cross-reactivity or interference between Cys-C and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cys-C were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Cys-C were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cys-C elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Cys-C. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Cys-C. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cys-C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cys-C in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Cys-C in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for Cys-C elisa kit	Kidney biomarker

NCBI AND UNIPROT INFORMATION

NCBI GI #	359322596
NCBI GeneID	607874
NCBI Accession #	XM_003639821.1
NCBI GenBank Nucleotide #	XM_003639821.1
Molecular Weight	13.2kDa
NCBI Official Full Name	Canis lupus familiaris cystatin-C-like (LOC607874), mRNA
NCBI Official Symbol	LOC607874
NCBI Protein Information	cystatin-C-like

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/dog-elisa-kits/cystatin-c-cys-c/189739>