

Porcine Cystatin C ELISA Kit | Cys-C elisa kit

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CATALOG #
AAA91076

REACTIVITY
Porcine

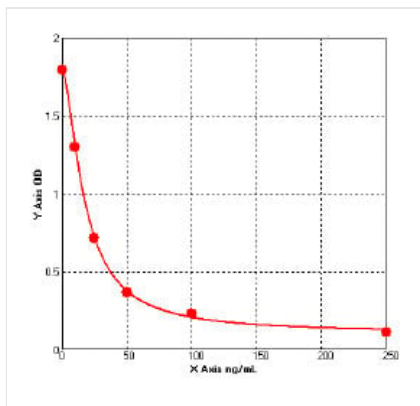
PRODUCT SYNONYMS

Cystatin C; Porcine Cystatin C ELISA Kit; Cys-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CSTC. No significant cross-reactivity or interference between CSTC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CSTC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cys-C elisa kit	Principle of the Assay: CSTC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CSTC antibody and an CSTC-HRP conjugate. The assay sample and buffer are incubated together with CSTC-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 CSTC concentration since CSTC from samples and CSTC-HRP conjugate compete for the anti-CSTC antibody binding site. Since the number of sites is limited, as more sites are occupied by CSTC from the sample, fewer sites are left to bind CSTC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CSTC concentration in each sample is interpolated from this standard curve. Intended Uses: This CSTC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CSTC. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Cys-C elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503107
NCBI GeneID	1471
NCBI Accession #	NP_000090.1
NCBI GenBank Nucleotide #	NM_000099.3
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.

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Online datasheet: <https://stage.aaabiotech.com/cys-c-porcine-elisa-kits/cystatin-c/91076>