

Sheep Cystatin C, Cys-C ELISA Kit | Cys-C elisa kit

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CATALOG #
AAA247570

REACTIVITY
Sheep

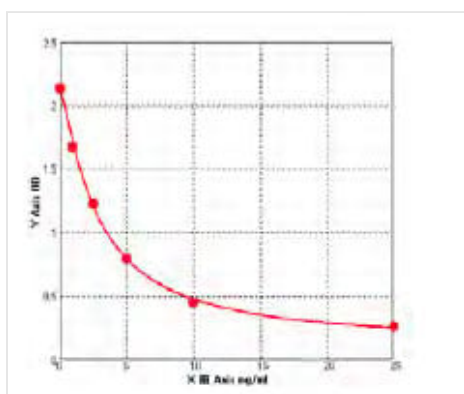
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Cys-C and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	140
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cys-C elisa kit	Intended Uses: This Cys-C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep Cys-C. This ELISA kit for research use only! Principle of the Assay: Cys-C ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Cys-C antibody and an Cys-C-HRP conjugate. The assay sample and buffer are incubated together with Cys-C-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 Cys-C concentration since Cys-C from samples and Cys-C-HRP conjugate compete for the anti-Cys-C antibody binding site. Since the number of sites is limited, as more sites are occupied by Cys-C from the sample, fewer sites are left to bind Cys-C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Cys-C concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Cys-C elisa kit	Tags & Cell Markers; Cell Biology; Stem Cells; Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	54234046
NCBI GeneID	25307
NCBI Accession #	NP_036969.1
NCBI GenBank Nucleotide #	NM_012837.1
UniProt Accession #	P14841; Q5M968
Molecular Weight	15,437 Da
NCBI Official Full Name	cystatin-C
NCBI Official Synonym Full Names	cystatin C
NCBI Official Symbol	Cst3
NCBI Official Synonym Symbols	CYSC
NCBI Protein Information	cystatin-C
UniProt Protein Name	Cystatin-C
UniProt Gene Name	Cst3

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/sheep-elisa-kits/cystatin-c-cys-c/247570>