

Canine Cystatin-B (CSTB/CST6/STFB) ELISA Kit | CSTB elisa kit

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CATALOG #
AAA246173

REACTIVITY
Canine

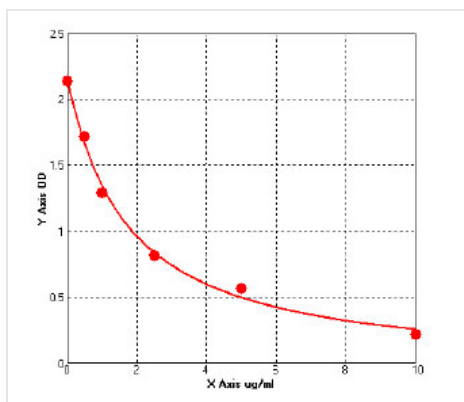
PRODUCT SYNONYMS

Cystatin-B (CSTB/CST6/STFB); Canine Cystatin-B (CSTB/CST6/STFB) ELISA Kit; CSTB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CSTB/CST6/STFB. No significant cross-reactivity or interference between CSTB/CST6/STFB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CSTB/CST6/STFB 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	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSTB elisa kit	Principle of the Assay: CSTB/CST6/STFB ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CSTB/CST6/STFB antibody and an CSTB/CST6/STFB-HRP conjugate. The assay sample and buffer are incubated together with CSTB/CST6/STFB-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 CSTB/CST6/STFB concentration since CSTB/CST6/STFB from samples and CSTB/CST6/STFB-HRP conjugate compete for the anti-CSTB/CST6/STFB antibody binding site. Since the number of sites is limited, as more sites are occupied by CSTB/CST6/STFB from the sample, fewer sites are left to bind CSTB/CST6/STFB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CSTB/CST6/STFB concentration in each sample is interpolated from this standard curve. Intended Uses: This CSTB/CST6/STFB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CSTB/CST6/STFB. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CSTB elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503117
NCBI GeneID	1476
NCBI Accession #	NP_000091.1
NCBI GenBank Nucleotide #	NM_000100.3
Molecular Weight	11,140 Da
NCBI Official Full Name	cystatin-B
NCBI Official Synonym Full Names	cystatin B (stefin B)
NCBI Official Symbol	CSTB
NCBI Official Synonym Symbols	PME; ULD; CST6; EPM1; STFB; EPM1A
NCBI Protein Information	cystatin-B; CPI-B; liver thiol proteinase inhibitor
UniProt Protein Name	Cystatin-B
UniProt Gene Name	CSTB
UniProt Synonym Gene Names	CST6; STFB
UniProt Entry Name	CYTB_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.