

Human Cystatin-S, CST4 ELISA Kit | CST4 elisa kit

Human Cystatin-S, CST4 Primacu ELISA Kit

CATALOG #
AAA124455

REACTIVITY
Human

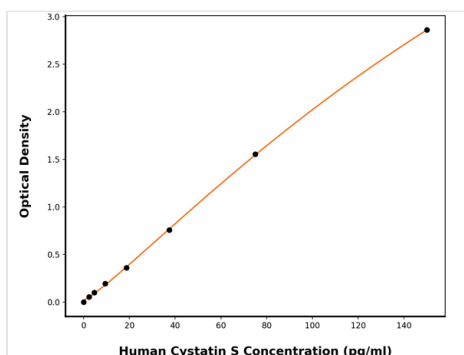
PRODUCT SYNONYMS

Cystatin-S; CST4; Human Cystatin-S; CST4 Primacu ELISA Kit; Cystatin S; CST4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	2.34-150pg/mL
Sensitivity	0.52pg/mL
Standard Solution	1.5ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CST4 elisa kit

Cystatin-S, also known as Cystatin-4, Salivary acidic protein 1, Cystatin-SA-III and CST4, is a secreted protein which belongs to the cystatin family. Cystatin-4/CST4 is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). It is also expressed in saliva, tears, urine and seminal fluid. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. Cystatin-4/CST4 strongly inhibits papain and ficin, partially inhibits stem bromelain and bovine cathepsin C, but does not inhibit porcine cathepsin B or clostripain. Papain is inhibited non-competitively. Cystatin-4/CST4 is an S-type cystatin, based on its high level of expression in saliva, tears and seminal plasma. The specific role in these fluids is unclear but antibacterial and antiviral activity is present, consistent with a protective function.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503109
NCBI GeneID	1472
NCBI Accession #	NP_001890.1
NCBI GenBank Nucleotide #	NM_001899.2
UniProt Accession #	P01036; Q9UBI5; Q9UCS9
Molecular Weight	16,214 Da
NCBI Official Full Name	cystatin-S
NCBI Official Synonym Full Names	cystatin S
NCBI Official Symbol	CST4
NCBI Protein Information	cystatin-S; cystatin 4; cystatin-4; cystatin-SA-III; salivary acidic protein 1
UniProt Protein Name	Cystatin-S
UniProt Gene Name	CST4
UniProt Entry Name	CYTS_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://www.aaabiotech.com/human-elisa-kits/cystatin-s-cst4/124455>