

ARG82443 Human CST5 / Cystatin D ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82443-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82443-002	Standard	2 X 10 ng/vial	4°C
ARG82443-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82443-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82443-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82443-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82443-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82443-008	25X Wash buffer	20 ml	4°C
ARG82443-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82443-010	STOP solution	10 ml (Ready to use)	4°C
ARG82443-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82443 Human CST5 / Cystatin D ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CST5 / Cystatin D in serum, plasma (EDTA, heparin), cell culture supernatants, saliva and urine.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CST5 / Cystatin D
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin), cell culture supernatants, saliva and urine.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 6.1%

Alternate Names Cystatin-D; Cystatin-5

Application Instructions

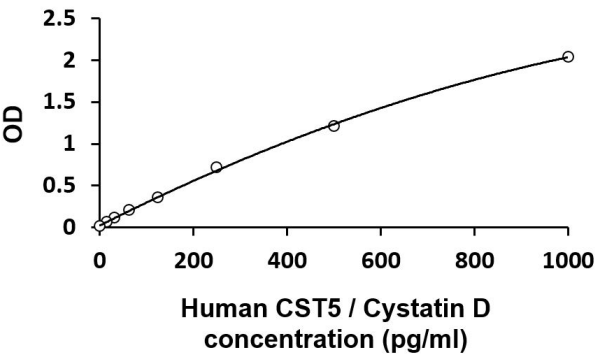
Assay Time ~ 5 hours

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CST5
Gene Full Name	cystatin D
Background	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. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a protein found in saliva and tears. The encoded protein may play a protective role against proteinases present in the oral cavity. [provided by RefSeq, Jul 2008]
Function	Cysteine proteinase inhibitor that possibly plays a protective role against proteinases present in the oral cavity. The order of preference for inhibition is cathepsin S > cathepsin H > cathepsin L > cathepsin B. [UniProt]
Highlight	Related products: Cystatin antibodies ; Cystatin ELISA Kits ; Cystatin Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]



ARG82443 Human CST5 / Cystatin D ELISA Kit standard curve image

ARG82443 Human CST5 / Cystatin D ELISA Kit results of a typical standard run with optical density reading at 450 nm.