

ARG82444 Human CST6 / Cystatin E ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82444-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82444-002	Standard	2 X 10 ng/vial	4°C
ARG82444-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82444-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82444-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82444-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82444-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82444-008	25X Wash buffer	20 ml	4°C
ARG82444-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82444-010	STOP solution	10 ml (Ready to use)	4°C
ARG82444-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82444 Human CST6 / Cystatin E ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CST6 / Cystatin E in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CST6 / Cystatin E
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 5.7%

Alternate Names	Cystatin-E; Cystatin-6; Cystatin-M
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Application Instructions

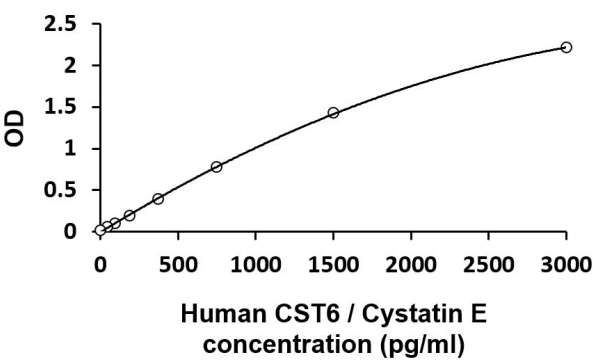
Assay Time	~ 5 hours
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Properties

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	CST6
Gene Full Name	cystatin E/M
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, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]
Function	Shows moderate inhibition of cathepsin B but is not active against cathepsin C. [UniProt]
Highlight	Related products: Cystatin antibodies ; Cystatin ELISA Kits ; Cystatin Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Substrate for transglutaminases. Acts as an acyl acceptor but not as an acyl donor. [UniProt]
Cellular Localization	Secreted. [UniProt]



ARG82444 Human CST6 / Cystatin E ELISA Kit standard curve image

ARG82444 Human CST6 / Cystatin E ELISA Kit results of a typical standard run with optical density reading at 450 nm.