

ARG81620 Human Cystatin SN ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81620-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81620-002	Standard	2 X 10 ng/vial	4°C
ARG81620-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81620-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81620-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81620-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81620-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81620-008	25X Wash buffer	20 ml	4°C
ARG81620-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81620-010	STOP solution	10 ml (Ready to use)	4°C
ARG81620-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81620 Human Cystatin SN ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cystatin SN in serum, plasma (heparin, EDTA), saliva, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Cystatin SN
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), saliva, urine and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 8.0%
Alternate Names	Salivary cystatin-SA-1; Cystain-SA-I; Cystatin-1; Cystatin-SN

Application Instructions

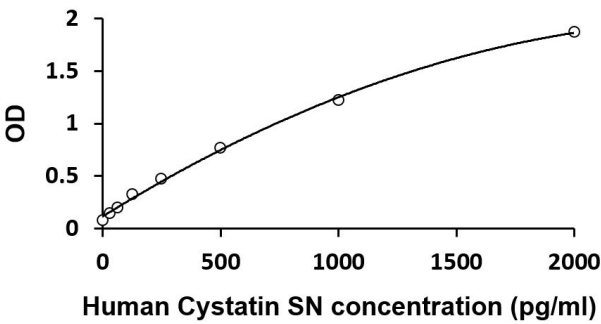
Assay Time	~ 5 hours
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Properties

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	CST1
Gene Full Name	cystatin SN
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. 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 cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. [provided by RefSeq, Jul 2008]
Function	Human saliva appears to contain several cysteine proteinase inhibitors that are immunologically related to cystatin S but that differ in their specificity due to amino acid sequence differences. Cystatin SN, with a pI of 7.5, is a much better inhibitor of papain and dipeptidyl peptidase I than is cystatin S, although both inhibit ficin equally well. [UniProt]
Highlight	Related products: Cystatin antibodies ; Cystatin ELISA Kits ; Cystatin Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81620 Human Cystatin SN ELISA Kit standard curve image

ARG81620 Human Cystatin SN ELISA Kit results of a typical standard run with optical density reading at 450 nm.