

## ARG82042 Human Cathepsin S ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	Human Cathepsin S ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cathepsin S in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Cathepsin S
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Alternate Names	Cathepsin S; EC 3.4.22.27

### Application Instructions

Assay Time	4.5 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	CTSS
Gene Full Name	cathepsin S
Background	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Function	Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N. [UniProt]

## Highlight

Related products:

[Cathepsin antibodies](#); [Cathepsin ELISA Kits](#);

New ELISA data calculation tool:

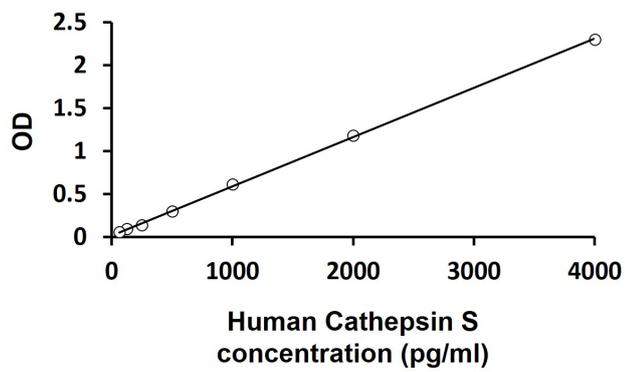
[Simplify the ELISA analysis by GainData](#)

## Cellular Localization

Lysosome. [UniProt]

## Images

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ARG82042 Human Cathepsin S ELISA Kit standard curve image

ARG82042 Human Cathepsin S ELISA Kit results of a typical standard run with optical density reading at 450 nm.