

## ARG82718 Human Cathepsin V ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82718-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82718-002	Standard	2 X 10 ng/vial	4°C
ARG82718-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82718-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82718-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82718-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82718-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82718-008	25X Wash buffer	20 ml	4°C
ARG82718-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82718-010	STOP solution	10 ml (Ready to use)	4°C
ARG82718-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82718 Human Cathepsin V ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cathepsin V in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Cathepsin V
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 5.5%

## 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 CTSV

Gene Full Name cathepsin V

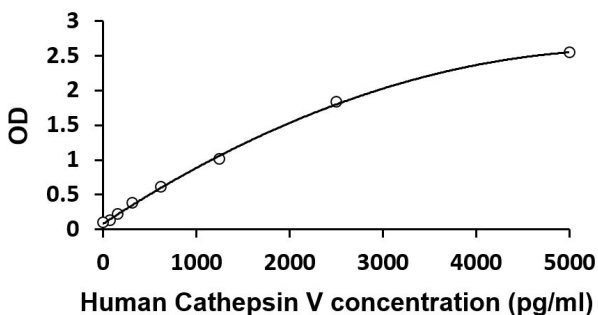
Background The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may play an important role in corneal physiology. This gene is expressed in colorectal and breast carcinomas but not in normal colon, mammary gland, or peritumoral tissues, suggesting a possible role for this gene in tumor processes. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2011]

Function Cysteine protease. May have an important role in corneal physiology. [UniProt]

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New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Lysosome. [UniProt]

## Images



ARG82718 Human Cathepsin V ELISA Kit standard curve image

ARG82718 Human Cathepsin V ELISA Kit results of a typical standard run with optical density reading at 450 nm.