

ARG82850 Human Cathepsin H ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82850-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82850-002	Standard	2 X 10 ng/vial	4°C
ARG82850-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82850-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82850-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82850-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82850-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82850-008	25X Wash buffer	20 ml	4°C
ARG82850-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82850-010	STOP solution	10 ml (Ready to use)	4°C
ARG82850-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82850 Human Cathepsin H ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cathepsin H in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Cathepsin H
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6.2%

Alternate Names CPSB; EC 3.4.22.16; minichain; ACC5; ACC4; ACC-5; ACC-4; Pro-cathepsin H

Application Instructions

Assay Time ~ 5 hours

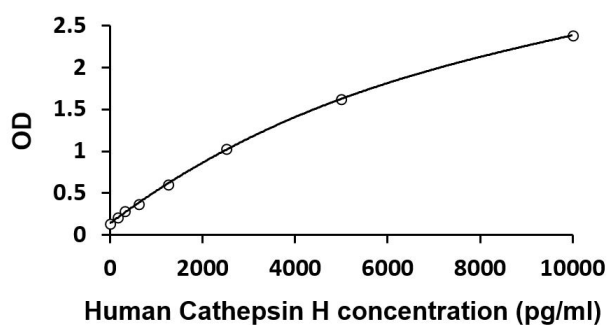
Properties

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	CTSH
Gene Full Name	cathepsin H
Background	The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]
Function	Important for the overall degradation of proteins in lysosomes. [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



ARG82850 Human Cathepsin H ELISA Kit standard curve image

ARG82850 Human Cathepsin H ELISA Kit results of a typical standard run with optical density reading at 450 nm.