# .-online.com antibodies

## Datasheet for ABIN6720097 Cathepsin D ELISA Kit

Image



#### Overview

Quantity:	1 kit
Target:	Cathepsin D (CTSD)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

### Product Details

Sandwich ELISA for Quantitative Detection of Antigen
Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Quantitative
Colorimetric
Synonyms: CATD_HUMAN, Cathepsin D heavy chain, Ceroid lipofuscinosis neuronal 10, CLN10, CPSD, ctsd, Lysosomal aspartyl protease Background: Cathepsin D is a protein that in humans is encoded by the CTSD gene. This proteinase is a member of the peptidase C1 family, having a specificity similar to but narrower than that of pepsin A. It is mapped to 11p15.5. The cDNA encodes a 412-amino acid protein with 20 and 44 amino acids in a pre- and prosegment, respectively. Cathepsin D is one of the lysosomal proteinases. It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. Mutations in this gene are involved in the pathogenesis of several

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6720097 | 11/30/2023 | Copyright antibodies-online. All rights reserved. diseases, including breast cancer and possibly Alzheimer disease and it has been considered as a breast cancer tumor marker. Gene Name: CTSD Production: Natural and recombinant human Cathepsin D. There is no detectable crossreactivity with other relevant proteins. Standard: Expression system for standard: NSO, Immunogen sequence: L21-L412

#### Target Details

Target:	Cathepsin D (CTSD)
Alternative Name:	Cathepsin D (CTSD Products)
Gene ID:	1509
NCBI Accession:	NP_001900
UniProt:	P07339
Pathways:	Peptide Hormone Metabolism

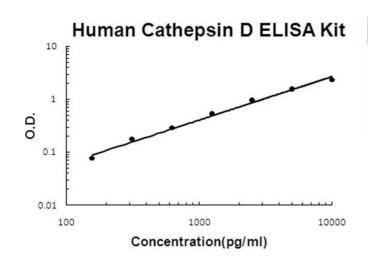
#### Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL,
	312pg/mL, 156pg/mL human Cathepsin D standard solutions into the precoated 96-well plate.
	Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each
	properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to
	each empty well. It is recommended that each human Cathepsin D standard solution and each
	sample be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 156pg/mL-10000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6720097 | 11/30/2023 | Copyright antibodies-online. All rights reserved. Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



#### ELISA

**Image 1.** Human Cathepsin D Accusignal ELISA Kit Human Cathepsin D AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.