

Human Cathepsin O ELISA Kit | CTSO elisa kit

Human Cathepsin O (CTSO) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189920

REACTIVITY
Human

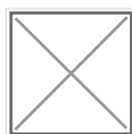
PRODUCT SYNONYMS

Cathepsin O; Human Cathepsin O (CTSO) (Sandwich ELISA) ELISA Kit; CTS-O; ELISA Kit for Cathepsin O (CTSO); CTSO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTSO. No significant cross-reactivity or interference between CTSO and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTSO were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CTSO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSO elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CTSO. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CTSO. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CTSO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CTSO in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTSO in human tissue homogenates, cell lysates and other biological fluids.

Product Categories/Family for CTSO elisa kit

Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557501
NCBI GeneID	1519
NCBI Accession #	NP_001325
NCBI GenBank Nucleotide #	NM_001334
UniProt Accession #	P43234
Molecular Weight	35,958 Da
NCBI Official Full Name	cathepsin O preproprotein
NCBI Official Synonym Full Names	cathepsin O
NCBI Official Symbol	CTSO
NCBI Official Synonym Symbols	CTSO1
NCBI Protein Information	cathepsin O
UniProt Protein Name	Cathepsin O
UniProt Gene Name	CTSO
UniProt Synonym Gene Names	CTSO1
UniProt Entry Name	CATO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ctso-human-elisa-kits/cathepsin-o/189920>