

Mouse Cathepsin O (CTSO) ELISA Kit | CTSO elisa kit

Mouse Cathepsin O (CTSO) ELISA Kit

CATALOG #
AAA246428

REACTIVITY
Mouse

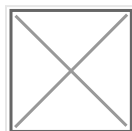
PRODUCT SYNONYMS

Cathepsin O (CTSO); Mouse Cathepsin O (CTSO) ELISA Kit; CTSO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTSO and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSO elisa kit	<p>Intended Uses: This CTSO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CTSO. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: CTSO ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTSO antibody and an CTSO-HRP conjugate. The assay sample and buffer are incubated together with CTSO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTSO concentration since CTSO from samples and CTSO-HRP conjugate compete for the anti-CTSO antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSO from the sample, fewer sites are left to bind CTSO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSO concentration in each sample is interpolated from this standard curve.</p>
Product Categories/Family for CTSO elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557501
NCBI GeneID	1519
NCBI Accession #	NP_001325.1
NCBI GenBank Nucleotide #	NM_001334.2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cathepsin-o-ctso/246428>