

Mouse cathepsin H (CTSH) ELISA Kit | CTSH elisa kit

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CATALOG #
AAA246278

REACTIVITY
Mouse

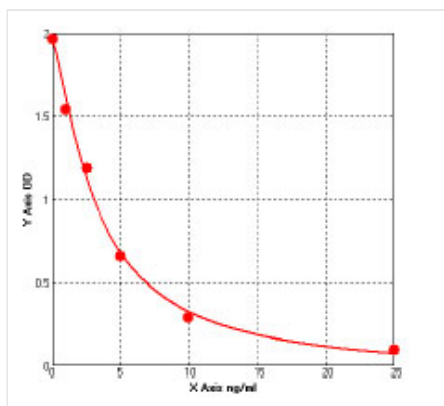
PRODUCT SYNONYMS

cathepsin H (CTSH); Mouse cathepsin H (CTSH) ELISA Kit; CTSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CTSH. No significant cross-reactivity or interference between CTSH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTSH and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSH elisa kit	Principle of the Assay: CTSH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTSH antibody and an CTSH-HRP conjugate. The assay sample and buffer are incubated together with CTSH-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 CTSH concentration since CTSH from samples and CTSH-HRP conjugate compete for the anti-CTSH antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSH from the sample, fewer sites are left to bind CTSH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSH concentration in each sample is interpolated from this standard curve. Intended Uses: This CTSH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CTSH. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CTSH elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	29708
NCBI GeneID	1512
UniProt Accession #	P09668; Q96NY6; Q9BUM7; B2RBK0
Molecular Weight	37,394 Da
NCBI Official Full Name	cathepsin H, partial
NCBI Official Synonym Full Names	cathepsin H
NCBI Official Symbol	CTSH
NCBI Official Synonym Symbols	CPSB; ACC-4; ACC-5; minichain
NCBI Protein Information	pro-cathepsin H; aleurain; cathepsin B3; cathepsin BA; N-benzoylarginine-beta-naphthylamide hydrolase
UniProt Protein Name	Pro-cathepsin H
UniProt Gene Name	CTSH
UniProt Synonym Gene Names	CPSB
UniProt Entry Name	CATH_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.