

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

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CATALOG #
AAA27169

REACTIVITY
Human

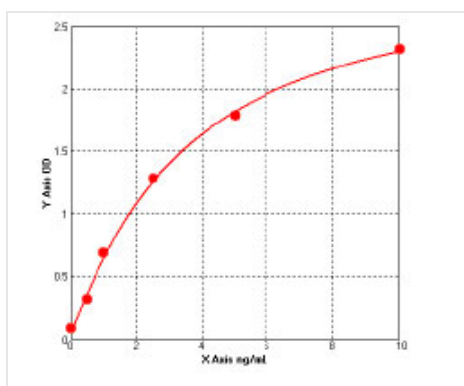
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This CTSG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CTSG. This ELISA kit for research use only!

Principle of the Assay: CTSG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTSG antibody and an CTSG-HRP conjugate. The assay sample and buffer are incubated together with CTSG-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 CTSG concentration since CTSG from samples and CTSG-HRP conjugate compete for the anti-CTSG antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSG from the sample, fewer sites are left to bind CTSG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSG concentration in each sample is interpolated from this standard curve.

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.