

Mouse Cathepsin A (CTSA) ELISA Kit | CTSA elisa kit

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CATALOG #
AAA65756

REACTIVITY
Mouse

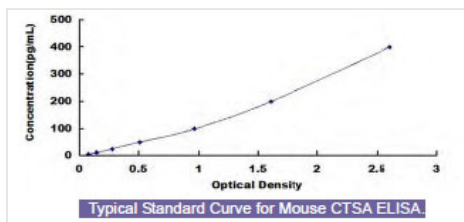
PRODUCT SYNONYMS

Cathepsin A (CTSA); Mouse Cathepsin A (CTSA) ELISA Kit; CTS-A; GLB2; GSL; NGBE; PPCA; PPGB; Protective Protein For Beta-Galactosidase; Galactosialidosis; Carboxypeptidase C; Carboxypeptidase L; CTSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CTSA. No significant cross-reactivity or interference between CTSA and analogues was observed.
Sequence Length	474
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	6.25-400pg/mL
Sensitivity	2.74pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTSA 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 CTSA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSA elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTSA in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CTSA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CTSA. 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 CTSA, 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 CTSA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84042523
NCBI GeneID	19025
NCBI Accession #	NP_001033581.1
NCBI GenBank Nucleotide #	NM_001038492.2
UniProt Accession #	P16675; Q8VEF6
Molecular Weight	53,844 Da
NCBI Official Full Name	lysosomal protective protein isoform b preproprotein
NCBI Official Synonym Full Names	cathepsin A
NCBI Official Symbol	Ctsa
NCBI Official Synonym Symbols	PPCA; Ppgb; AU019505
NCBI Protein Information	lysosomal protective protein
UniProt Protein Name	Lysosomal protective protein
UniProt Gene Name	Ctsa
UniProt Synonym Gene Names	Ppgb; PPCA

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.