

Mouse Lysosomal protective protein ELISA Kit | CTSA elisa kit

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CATALOG #
AAA95442

REACTIVITY
Mouse

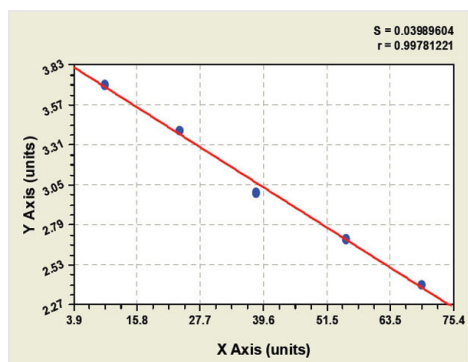
PRODUCT SYNONYMS

Lysosomal protective protein; Mouse Lysosomal protective protein ELISA Kit; CTSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1ng/mL.
Intended Uses	This LLP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse LLP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSA elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	262527235
NCBI GeneID	5476
NCBI Accession #	NP_001161066.1
NCBI GenBank Nucleotide #	NM_001167594.1
Molecular Weight	52,489 Da
NCBI Official Full Name	lysosomal protective protein isoform c
NCBI Official Synonym Full Names	cathepsin A
NCBI Official Symbol	CTSA
NCBI Official Synonym Symbols	GSL; GLB2; NGBE; PPCA; PPGB
NCBI Protein Information	lysosomal protective protein; deamidase; urinary kininase; carboxypeptidase C; carboxypeptidase L; carboxypeptidase-L; beta-galactosidase 2; lysosomal carboxypeptidase A; protective protein cathepsin A; carboxypeptidase Y-like kininase; beta-galactosidase protective protein
UniProt Protein Name	Lysosomal protective protein
UniProt Gene Name	CTSA
UniProt Synonym Gene Names	PPGB; PPCA
UniProt Entry Name	PPGB_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/ctsa-mouse-elisa-kits/lysosomal-protective-protein/95442>