

Human Lysosomal protective protein ELISA Kit | CTSA elisa kit

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CATALOG #
AAA101702

REACTIVITY
Human

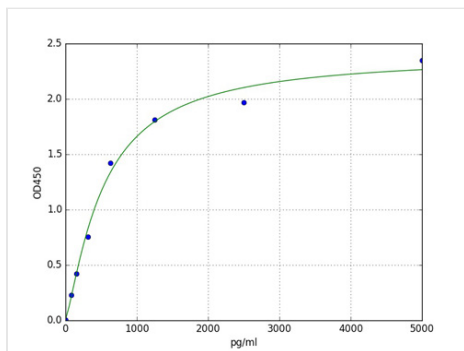
PRODUCT SYNONYMS

Lysosomal protective protein; Human Lysosomal protective protein ELISA Kit; CTSA (Lysosomal protective protein)/GLB2/PPCA/GSL/NGBE/PPGB/Lysosomal Carboxypeptidase A/beta-galactosidase 2/beta-galactosidase protective protein/Carboxypeptidase C/Carboxypeptidase L/cathepsin A/protective protein for beta-galactosidase (galactosialidosis)/Protective protein cathepsin A/Protective protein for beta-galactosidase; CTSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	480
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a CTSA ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.052	0.089	0.125	0.191	0.335	0.596	1.213	1.957

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189163485
NCBI GeneID	5476
NCBI Accession #	NP_001121167.1
NCBI GenBank Nucleotide #	NM_001127695.2
Molecular Weight	52,489 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	GSL; GLB2; NGBE; PPCA; PPGB
NCBI Protein Information	lysosomal 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ctsa-human-elisa-kits/lysosomal-protective-protein/101702>