

Goat Lysosomal protective protein ELISA Kit | CTSA elisa kit

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CATALOG #
AAA96098

REACTIVITY
Goat

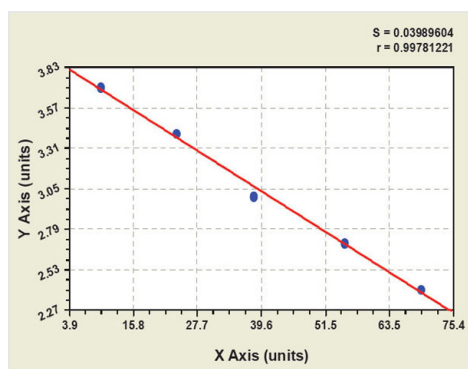
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
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: CTSA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTSA antibody and an CTSA-HRP conjugate. The assay sample and buffer are incubated together with CTSA-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 CTSA concentration since CTSA from samples and CTSA-HRP conjugate compete for the anti-CTSA antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSA from the sample, fewer sites are left to bind CTSA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CTSA elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	262527235
NCBI GeneID	5476
NCBI Accession #	NP_001161066.1
NCBI GenBank Nucleotide #	NM_001167594.1
UniProt Accession #	P10619; Q561W6; Q5JZH1; Q96KJ2; Q9BR08; Q9BW68; B2R798
Molecular Weight	54,466 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ctsa-goat-elisa-kits/lysosomal-protective-protein/96098>