

## Human cathepsin A ELISA Kit | CTSA elisa kit

Human Lysosomal protective protein, CTSA ELISA Kit

CATALOG #  
AAA112372

REACTIVITY  
Human

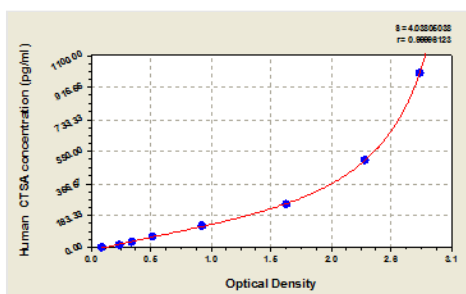
### PRODUCT SYNONYMS

cathepsin A; Human Lysosomal protective protein; CTSA ELISA Kit; Human Lysosomal protective protein (CTSA) ELISA kit; RP3-337O18.1; GLB2; GSL; NGBE; PPCA; PPGB; OTTHUMP00000031779; beta-galactosidase 2; beta-galactosidase protective protein; CTSA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human CTSA. No significant cross-reactivity or interference between Human CTSA and analogues was observed.                                                                                                                                     |
| Sequence Length         | 498                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CTSA elisa kit

**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CTSA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CTSA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CTSA is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CTSA bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119395729                                                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 5476                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_000299.2                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000308.2                                                                                                                                                                                                                                                                        |
| UniProt Accession #              | P10619; Q561W6; Q5JZH1; Q96KJ2; Q9BR08; Q9BW68; B2R798                                                                                                                                                                                                                             |
| Molecular Weight                 | 54,466 Da                                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | lysosomal protective protein isoform a                                                                                                                                                                                                                                             |
| 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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