

## Human cathepsin K ELISA Kit | CTSK elisa kit

Human Cathepsin K, Cath-K ELISA Kit

CATALOG #  
**AAA79539**

REACTIVITY  
**Human**

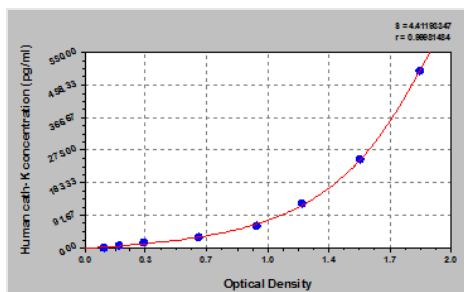
### PRODUCT SYNONYMS

cathepsin K; Human Cathepsin K; Cath-K ELISA Kit; cath-K ELISA Kit; RP11-363I22.4; CTS02; CTSO; CTSO1; CTSO2; MGC23107; PKND; PYCD; cathepsin O1; cathepsin O2; cathepsin X; CTSK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human cath-K. No significant cross-reactivity or interference between human cath-K and analogues was observed. |
| Sequence Length         | 329                                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                     |
| Detection Range         | 7.8 pg/ml -500 pg/ml                                                                                                                                                                      |
| Sensitivity             | <1.95 pg/ml                                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                          |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                   |
| 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 CTSK elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for cath-K has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any cath-K present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for cath-K 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 cath-K bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 4503151                                                           |
| NCBI GeneID                      | 1513                                                              |
| NCBI Accession #                 | NP_000387.1                                                       |
| NCBI GenBank Nucleotide #        | NM_000396.3                                                       |
| UniProt Accession #              | P43235; Q6FHS6                                                    |
| Molecular Weight                 | 36,966 Da                                                         |
| NCBI Official Full Name          | cathepsin K preproprotein                                         |
| NCBI Official Synonym Full Names | cathepsin K                                                       |
| NCBI Official Symbol             | CTSK                                                              |
| NCBI Official Synonym Symbols    | CTSO; PKND; PYCD; CTSO2; CTSO1; CTSO2                             |
| NCBI Protein Information         | cathepsin K; cathepsin O; cathepsin X; cathepsin O1; cathepsin O2 |
| UniProt Protein Name             | Cathepsin K                                                       |
| UniProt Gene Name                | CTSK                                                              |
| UniProt Synonym Gene Names       | CTSO; CTSO2                                                       |
| UniProt Entry Name               | CATK_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.