

## Human Cystin 1 ELISA Kit | CYS1 elisa kit

Human Cystin 1 (CYS1) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #  
**AAA189941**

REACTIVITY  
**Human**

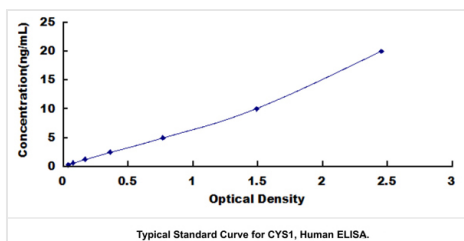
### PRODUCT SYNONYMS

Cystin 1; Human Cystin 1 (CYS1) (Sandwich ELISA) Mini sample ELISA Kit; Ck; cpk; Cilia-Associated Protein; Mini Samples ELISA Kit for Cystin 1 (CYS1); CYS1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CYS1. No significant cross-reactivity or interference between CYS1 and analogues was observed.                                |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                    |
| Samples                 | Human tissue homogenates, cell lysates and other biological fluids                                                                                                                                       |
| Detection Range         | 0.312-20ng/mL                                                                                                                                                                                            |
| Sensitivity             | < 0.122ng/mL                                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CYS1 elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CYS1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CYS1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CYS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CYS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYS1 in human tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for CYS1 elisa kit   | Metabolic pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                |
|----------------------------------|----------------|
| NCBI GI #                        | 81158080       |
| NCBI GeneID                      | 192668         |
| NCBI Accession #                 | NP_001032237.1 |
| NCBI GenBank Nucleotide #        | NM_001037160.2 |
| UniProt Accession #              | Q717R9         |
| Molecular Weight                 | 16,393 Da      |
| NCBI Official Full Name          | cystin-1       |
| NCBI Official Synonym Full Names | cystin 1       |
| NCBI Official Symbol             | CYS1           |
| NCBI Protein Information         | cystin-1       |
| UniProt Protein Name             | Cystin-1       |
| UniProt Gene Name                | CYS1           |

**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://www.aaabiotech.com/cys1-human-elisa-kits/cystin-1/189941>