

## Citrate Synthase (CS) RTU ELISA Kit | CS rtu elisa kit

Rat Citrate Synthase (CS) ELISA Kit

CATALOG #  
**AAA219732**

REACTIVITY  
**Rat**

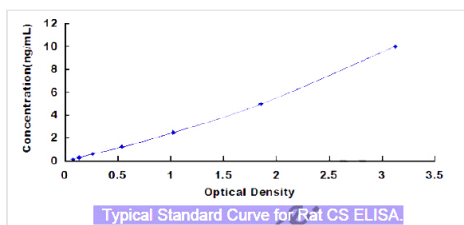
### PRODUCT SYNONYMS

Citrate Synthase (CS); Rat Citrate Synthase (CS) ELISA Kit; Citrate (Si)-synthase; mitochondrial; CS rtu elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Rat                                                                                                                                                                                                          |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of CRISPLD2. No significant cross-reactivity or interference between CRISPLD2 and analogues was observed.                            |
| Sequence Length       | 466                                                                                                                                                                                                          |
| Samples               | Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids                                                                                                                                           |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                        |
| Detection Range       | 3.12-200ng/mL                                                                                                                                                                                                |
| Sensitivity           | 1.12ng/mL.                                                                                                                                                                                                   |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRISPLD2 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 CRISPLD2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CS rtu elisa kit

**Intended Uses:** The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CRISPLD2 in human serum, plasma, tissue homogenates or other biological fluids.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRISPLD2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRISPLD2. 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 CRISPLD2, 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 CRISPLD2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 18543177                        |
| NCBI GeneID                      | 170587                          |
| NCBI Accession #                 | NP_570111.1                     |
| NCBI GenBank Nucleotide #        | NP_570111.1                     |
| UniProt Accession #              | Q8VHF5                          |
| NCBI Official Full Name          | citrate synthase, mitochondrial |
| NCBI Official Synonym Full Names | citrate synthase                |
| NCBI Official Symbol             | Cs                              |
| NCBI Protein Information         | citrate synthase, mitochondrial |
| UniProt Protein Name             | Citrate synthase, mitochondrial |
| UniProt Gene Name                | Cs                              |

**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://stage.aaabiotech.com/rat-rtu-elisa-kits/citrate-synthase-cs/219732>