

## Human Ceramide Kinase (CERK) ELISA Kit | CERK elisa kit

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CATALOG #  
AAA44246

REACTIVITY  
Human

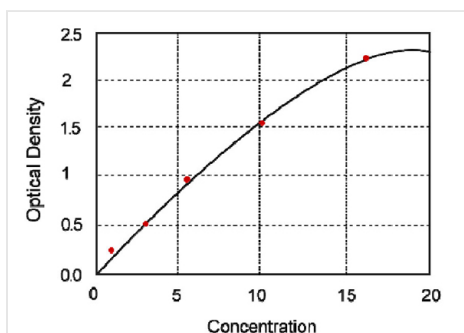
### PRODUCT SYNONYMS

Ceramide Kinase (CERK); Human Ceramide Kinase (CERK) ELISA Kit; CERK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                            |
| Sequence Length         | 537                                                                                                                                                                                              |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Samples                 | Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids                                                                                                   |
| Detection Range         | 10-2000ng/L                                                                                                                                                                                      |
| Sensitivity             | 5.13ng/L                                                                                                                                                                                         |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CERK elisa kit

**Principle of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human CERK antibody. CERK present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human CERK Antibody is added and binds to CERK in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CERK antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human CERK. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Human Ceramide Kinase (also known as CERK) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 20336726                                       |
| NCBI GeneID                      | 64781                                          |
| NCBI Accession #                 | NP_073603.2                                    |
| NCBI GenBank Nucleotide #        | NM_022766.5                                    |
| UniProt Accession #              | Q8TCT0; Q6NX59; Q9BYB3; Q9UGE5; A0JNT4; A8K611 |
| Molecular Weight                 | 37,781 Da                                      |
| NCBI Official Full Name          | ceramide kinase                                |
| NCBI Official Synonym Full Names | ceramide kinase                                |
| NCBI Official Symbol             | CERK                                           |
| NCBI Official Synonym Symbols    | LK4; hCERK; dA59H18.2; dA59H18.3               |
| NCBI Protein Information         | ceramide kinase                                |
| UniProt Protein Name             | Ceramide kinase                                |
| UniProt Gene Name                | CERK                                           |
| UniProt Synonym Gene Names       | KIAA1646; hCERK; LK4                           |

**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/human-elisa-kits/ceramide-kinase-cerk/44246>