

Human Ceramide kinase ELISA Kit | CERK elisa kit

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CATALOG #
AAA97862

REACTIVITY
Human

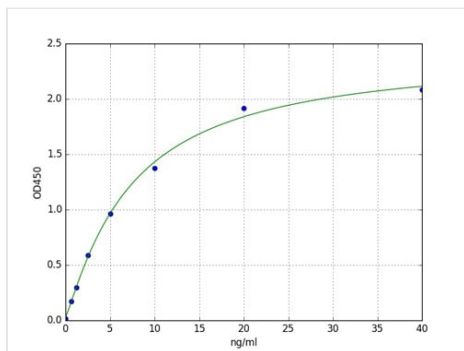
PRODUCT SYNONYMS

Ceramide kinase; Human Ceramide kinase ELISA Kit; CERK (Ceramide kinase)/hCERK/LK4/Acylsphingosine kinase/Lipid kinase 4; CERK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	537
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human CERK ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.050	0.100	0.133	0.244	0.441	0.829	1.481	2.473

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CERK elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CERK antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CERK antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CERK amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CERK can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

20336726

NCBI GeneID	64781
NCBI Accession #	NP_073603.2
NCBI GenBank Nucleotide #	NM_022766.5
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
UniProt Entry Name	CERK1_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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Online datasheet: <https://www.aaabiotech.com/cerk-human-elisa-kits/ceramide-kinase/97862>