

Human Ceramide kinase (CERK) ELISA Kit | CERK elisa kit

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CATALOG #
AAA244835

REACTIVITY
Human

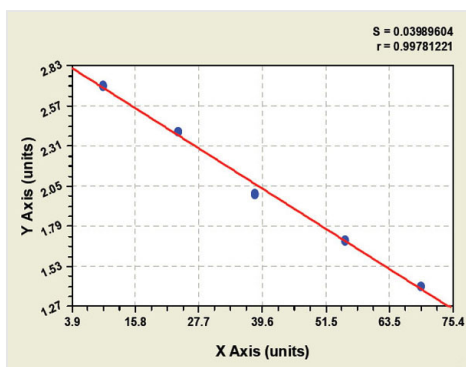
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CERK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CERK. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CERK elisa kit

Principle of the assay: CERK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CERK antibody and an CERK-HRP conjugate. The assay sample and buffer are incubated together with CERK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CERK concentration since CERK from samples and CERK-HRP conjugate compete for the anti-CERK antibody binding site. Since the number of sites is limited, as more sites are occupied by CERK from the sample, fewer sites are left to bind CERK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CERK concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CERK elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	20336726
NCBI GeneID	64781
NCBI Accession #	NP_073603.2
NCBI GenBank Nucleotide #	NM_022766.5
Molecular Weight	59,977 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; lipid kinase 4; lipid kinase LK4; acylsphingosine 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/human-elisa-kits/ceramide-kinase-cerk/244835>