

Rat Creatine Kinase ELISA Kit | CK elisa kit

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CATALOG #
AAA82833

REACTIVITY
Rat

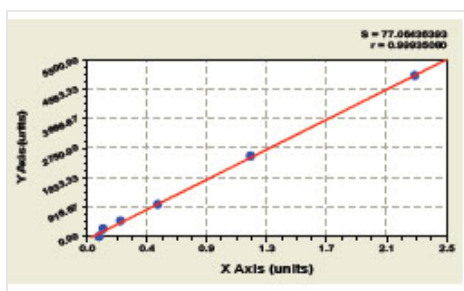
PRODUCT SYNONYMS

Creatine Kinase; Rat Creatine Kinase ELISA Kit; Rat Creatine Kinase (CK) ELISA Kit; Creatine Kinase (Rat); CK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 pg/mL.
Intended Uses	This CK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CK. 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 CK elisa kit

Principle of the assay: CK ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CK. Standards or samples are then added to the microtiter plate wells and CK if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CK present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CK are added to each well to "sandwich" the CK immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CK and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CK elisa kit

Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	180590
NCBI GeneID	1159
UniProt Accession #	P12532; Q0VAM3; Q32NF6; Q53FC4; B4DIT8; B7ZA09
Molecular Weight	47,037 Da
NCBI Official Full Name	creatine kinase
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1B
NCBI Official Symbol	CKMT1B
NCBI Official Synonym Symbols	CKMT; CKMT1; UMTCK; CKMT1A
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; mia-CK; OTTHUMP00000066275; OTTHUMP00000200125; ubiquitous mitochondrial creatine kinase; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous)
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT
UniProt Entry Name	KCRU_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://stage.aaabiotech.com/ck-rat-elisa-kits/creatine-kinase/82833>