

Rat Creatine Kinase, Mitochondrial 1B ELISA Kit | CKMT1B elisa kit

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CATALOG #
AAA86899

REACTIVITY
Rat

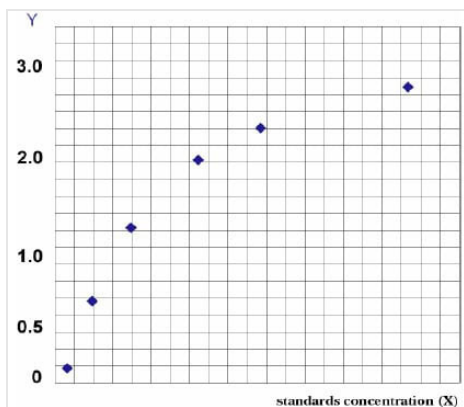
PRODUCT SYNONYMS

Creatine Kinase; Mitochondrial 1B; Rat Creatine Kinase; Mitochondrial 1B ELISA Kit; CKMT1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKMT1B elisa kit

Intended Uses: This CKMT1B ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CKMT1B in the sample, this CKMT1B ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CKMT1B concentration. The concentration of CKMT1B in the samples is then determined by comparing the O.D. of the samples to the standard curve

Principle of the Assay: This CKMT1B enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for CKMT1B. Standards or samples are then added to the microtiter plate wells and CKMT1B if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CKMT1B present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CKMT1B are added to each well to "sandwich" the CKMT1B immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CKMT1B and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10334859
NCBI GeneID	1159
NCBI Accession #	NP_066270.1
NCBI GenBank Nucleotide #	NM_020990.3
Molecular Weight	50,421 Da
NCBI Official Full Name	creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1B
NCBI Official Symbol	CKMT1B
NCBI Official Synonym Symbols	CKMT; CKMT1; UMTCK
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; mia-CK; 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 CKMT1B ; CKMT; Mia-CK; U-MtCK
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.