

Rat CKMT1B ELISA Kit | CKMT1B elisa kit

Rat CKMT1B (Creatine Kinase 1B, Mitochondrial) ELISA Kit

CATALOG #
AAA165544

REACTIVITY
Rat

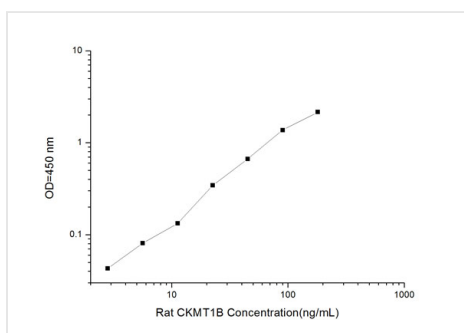
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat CKMT1B. No significant cross-reactivity or interference between Rat CKMT1B and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat CKMT1B and all the analogues, therefore, cross reaction may still exist.
Sequence Length	417
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	2.813-180ng/mL
Sensitivity	Min: 1.688ng/mL; Max: 180ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKMT1B elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CKMT1B in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat CKMT1B. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat CKMT1B and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat CKMT1B, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat CKMT1B. You can calculate the concentration of Rat CKMT1B in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10334859
NCBI GeneID	1159
NCBI Accession #	NP_066270.1
NCBI GenBank Nucleotide #	NM_020990.3
UniProt Accession #	P12532; Q0VAM3; Q32NF6; Q53FC4; B4DIT8; B7ZA09
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; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous); mia-CK; ubiquitous mitochondrial creatine kinase
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	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.