

Human Creatine Kinase, Mitochondrial 1A (CKMT1A) ELISA Kit | CKMT1A elisa kit

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CATALOG #
AAA66819

REACTIVITY
Human

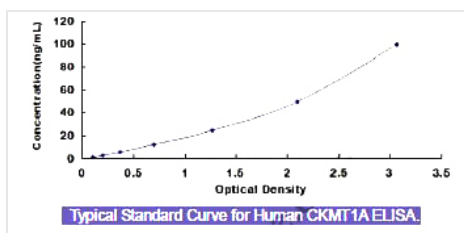
PRODUCT SYNONYMS

Creatine Kinase; Mitochondrial 1A (CKMT1A); Human Creatine Kinase; Mitochondrial 1A (CKMT1A) ELISA Kit; CKMT CKMT1-A Mia-CK U-MtCK Creatine kinase U-type; mitochondrial Ubiquitous mitochondrial creatine kinase Acidic-type mitochondrial creatine kinase; CKMT1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CKMT1A. No significant cross-reactivity or interference between CKMT1A and analogues was observed.
Sequence Length	417
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CKMT1A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CKMT1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKMT1A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CKMT1A in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CKMT1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CKMT1A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CKMT1A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CKMT1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66346730
NCBI GeneID	548596
NCBI Accession #	NP_001015001.1
NCBI GenBank Nucleotide #	NM_001015001.2
UniProt Accession #	P12532; Q0VAM3; Q32NF6; Q53FC4; B4DIT8; B7ZA09
Molecular Weight	50,421 Da
NCBI Official Full Name	creatine kinase U-type, mitochondrial isoform 1
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1A
NCBI Official Symbol	CKMT1A
NCBI Official Synonym Symbols	CKMT1; U-MtCK; mia-CK
NCBI Protein Information	creatine kinase U-type, mitochondrial
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT; Mia-CK; U-MtCK

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/human-elisa-kits/creatine-kinase-mitochondrial-1a-ckmt1a/66819>