

Human Creatine kinase S type, mitochondrial (CKMT2) ELISA Kit | CKMT2 elisa kit

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CATALOG #
AAA27330

REACTIVITY
Human

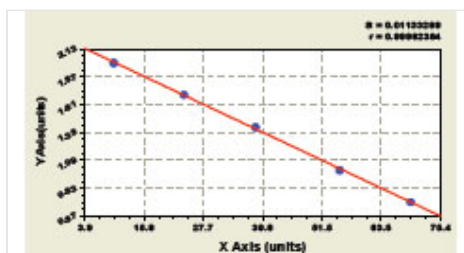
PRODUCT SYNONYMS

Creatine kinase S type; mitochondrial (CKMT2); Human Creatine kinase S type; mitochondrial (CKMT2) ELISA Kit; CKMT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/ml
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CKMT2 elisa kit

Intended Uses: This CKMT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CKMT2. This ELISA kit for research use only!

Principle of the Assay||CKMT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CKMT2 antibody and an CKMT2-HRP conjugate. The assay sample and buffer are incubated together with CKMT2-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 CKMT2 concentration since CKMT2 from samples and CKMT2-HRP conjugate compete for the anti-CKMT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CKMT2 from the sample, fewer sites are left to bind CKMT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CKMT2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

153252003

NCBI GeneID	1160
NCBI Accession #	NP_001093206.1
NCBI GenBank Nucleotide #	NM_001099736.1
Molecular Weight	47,504 Da
NCBI Official Full Name	creatine kinase S-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 2 (sarcomeric)
NCBI Official Symbol	CKMT2
NCBI Official Synonym Symbols	SMTCK
NCBI Protein Information	creatine kinase S-type, mitochondrial; S-MtCK; mib-CK; basic-type mitochondrial creatine kinase; sarcomeric mitochondrial creatine kinase
UniProt Protein Name	Creatine kinase S-type, mitochondrial
UniProt Gene Name	CKMT2
UniProt Synonym Gene Names	Mib-CK; S-MtCK
UniProt Entry Name	KCRS_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/human-elisa-kits/creatine-kinase-s-type-mitochondrial-ckmt2/27330>