

Mouse Creatine Kinase ELISA Kit | CK elisa kit

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CATALOG #
AAA87790

REACTIVITY
Mouse

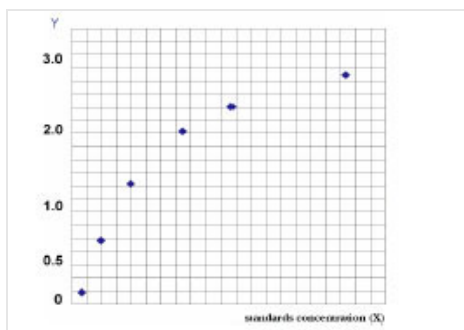
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CK elisa kit

Intended Uses: This CK 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 CK in the sample, this CK 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 CK concentration. The concentration of CK in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This CK 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 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, 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 CK 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.

Product Categories/Family for CK elisa kit

Mouse 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-mouse-elisa-kits/creatine-kinase/87790>