

Human Creatine Kinase ELISA Kit | CK elisa kit

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CATALOG #
AAA85281

REACTIVITY
Human

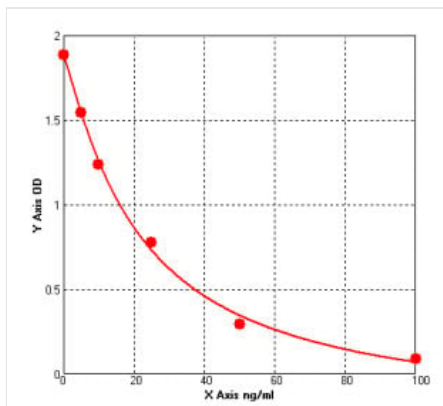
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CK. No significant cross-reactivity or interference between CK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CK and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CK elisa kit	Principle of the Assay: CK ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CK antibody and an CK-HRP conjugate. The assay sample and buffer are incubated together with CK-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 CK concentration since CK from samples and CK-HRP conjugate compete for the anti-CK antibody binding site. Since the number of sites is limited, as more sites are occupied by CK from the sample, fewer sites are left to bind CK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK concentration in each sample is interpolated from this standard curve. Intended Uses: This CK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CK. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CK elisa kit	Human 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-human-elisa-kits/creatine-kinase/85281>