

Rat Creatine phosphokinase ELISA Kit | CPK elisa kit

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CATALOG #
AAA17088

REACTIVITY
Rat

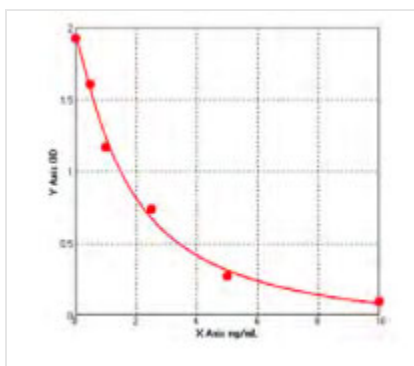
PRODUCT SYNONYMS

Creatine phosphokinase; Rat Creatine phosphokinase ELISA Kit; CPK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CPK. No significant cross-reactivity or interference between CPK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CPK 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	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	126723370
NCBI GeneID	100009056
NCBI Accession #	NP_001075708.1
NCBI GenBank Nucleotide #	NM_001082239.1
Molecular Weight	43,112 Da
NCBI Official Full Name	creatine kinase M-type
NCBI Official Symbol	CKM
NCBI Protein Information	creatine kinase M-type; M-CK; muscle creatine kinase; creatine kinase M chain
UniProt Protein Name	Creatine kinase M-type
UniProt Gene Name	CKM
UniProt Entry Name	KCRM_RABIT

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.