

Porcine Creatine Kinase, Muscle ELISA Kit | CKM elisa kit

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CATALOG #
AAA90529

REACTIVITY
Porcine

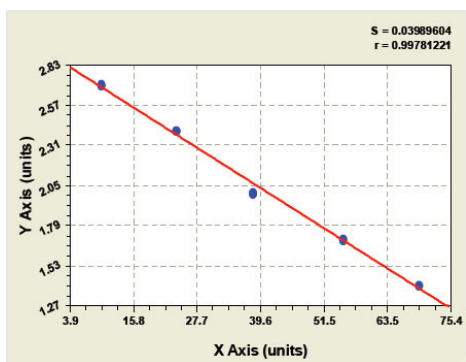
PRODUCT SYNONYMS

Creatine Kinase; Muscle; Porcine Creatine Kinase; Muscle ELISA Kit; CKM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	25-500 U/L
Sensitivity	1.0U/L
Intended Uses	This CKM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CKM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKM elisa kit

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

Product Categories/Family for CKM elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	72154368
NCBI GeneID	397264
Molecular Weight	43,059 Da
NCBI Official Full Name	CKM
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_PIG

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/ckm-porcine-elisa-kits/creatine-kinase-muscle/90529>