

Goat Creatine Kinase, Muscle ELISA Kit | CKM elisa kit

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CATALOG #
AAA90804

REACTIVITY
Goat

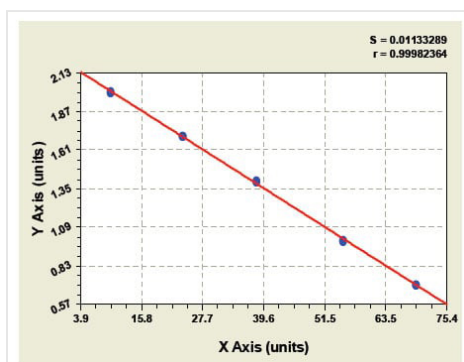
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CK-MM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat CK-MM. 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: CK-MM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CK-MM antibody and an CK-MM-HRP conjugate. The assay sample and buffer are incubated together with CK-MM-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-MM concentration since CK-MM from samples and CK-MM-HRP conjugate compete for the anti-CK-MM antibody binding site. Since the number of sites is limited, as more sites are occupied by CK-MM from the sample, fewer sites are left to bind CK-MM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK-MM 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ckm-goat-elisa-kits/creatine-kinase-muscle/90804>