

Rat Creatine Kinase, Muscle (CKM) CLIA Kit | CKM clia kit

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CATALOG # AAA151219	REACTIVITY Rat
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PRODUCT SYNONYMS

Creatine Kinase; Muscle (CKM); Rat Creatine Kinase; Muscle (CKM) CLIA Kit; CKM/Creatine Kinase; Muscle; CK-MM; CKMM; CK3; CK-M; MM-CK; M-CK; Creatine kinase M-type; N-terminally processed; CKM clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CKM.
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	< 0.05ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CKM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CKM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for CKM clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CKM. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CKM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the CKM level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of CKM in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for CKM clia kit	Enzyme & Kinase; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978661
NCBI GeneID	24265

NCBI Accession #	NP_036662.1
NCBI GenBank Nucleotide #	NM_012530.2
UniProt Accession #	P00564 ; Q6P6R9
Molecular Weight	43,045 Da
NCBI Official Full Name	creatine kinase M-type
NCBI Official Synonym Full Names	creatine kinase, M-type
NCBI Official Symbol	Ckm
NCBI Official Synonym Symbols	Ckmm
NCBI Protein Information	creatine kinase M-type
UniProt Protein Name	Creatine kinase M-type
UniProt Gene Name	Ckm
UniProt Synonym Gene Names	Ckmm

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://www.aaabiotech.com/rat-clia-kits/creatine-kinase-muscle-ckm/151219>