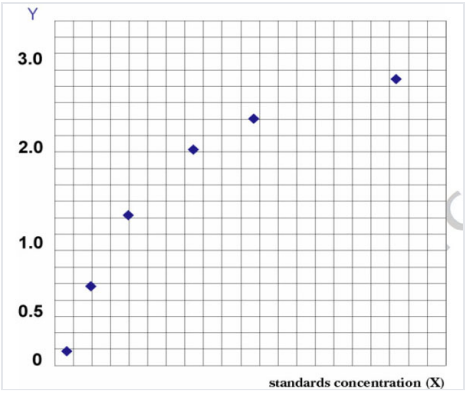
Creatine Kinase Mb Isoenzyme (CKMB) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Creatine Kinase MB isoenzyme (CKMB), ELISA Kit
Full Product Name	Human Creatine Kinase MB isoenzyme ELISA Kit
Product Gene Name	CKMB elisa kit
Species Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	43,045 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Highest Standards	10ng/mL
Concentration of Standards	Concentration of Standards||0,0.5,1.0,2.5,5.0,10ng/mL
Product Categories/Family for CKMB elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CKMB elisa kit	MBS724616 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Creatine Kinase MB isoenzyme (CKMB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CKMB. The ELISA analytical biochemical technique of the MBS724616 kit is based on CKMB antibody-CKMB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CKMB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CKMB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CKMB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of CKMB elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CKMB. It may not necessarily be applicable to this product.

NCBI GI #	6978661
NCBI GeneID	24265
NCBI Accession #	NP_036662.1
UniProt Secondary Accession #	Q6P6R9
UniProt Related Accession #	P00564
GenBank Nucleotide #	NM_012530.2
NCBI Official Full Name	creatine kinase M-type
NCBI Official Synonym Full Names	creatine kinase, muscle
NCBI Official Symbol	Ckm
NCBI Official Synonym Symbols	Ckmm
UniProt Protein Name	Creatine kinase M-type
UniProt Synonym Protein Names	Creatine kinase M chain; M-CK
UniProt Gene Name	Ckm
UniProt Synonym Gene Names	Ckmm
UniProt Entry Name	KCRM_RAT
NCBI Protein Information	creatine kinase M-type; M-CK; creatine kinase M chain
NCBI Summary for CKMB	catalyzes regeneration of ATP; expression is induced by p53 [RGD, Feb 2006]
UniProt Comments for CKMB	CKM: Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. Belongs to the ATP:guanido phosphotransferase family. Protein type: Kinase, other; EC 2.7.3.2; Amino Acid Metabolism - arginine and proline Cellular Component: cytoplasm Molecular Function: creatine kinase activity; ATP binding Biological Process: phosphocreatine biosynthetic process; phosphorylation

Research Articles on CKMB	**1.** strong down-regulation of MCK activity contributes to F-actin instability and induces post-translational modification of alphaB-crystallin and desmin
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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