CKMB Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CKMB, Monoclonal Antibody
Full Product Name	CKMB antibody
Product Gene Name	anti-CKMB antibody
Product Synonym Names	Monoclonal CKMB; Anti-CKMB; CK-MB; Creatine Kinase-MB Isoenzyme
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	950430
Host	Mouse
Form/Format	PBS, pH 7.3 with 0.05% NaN3.
Specificity	Human
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	43,101 Da
OMIM	123310
3D Structure	ModBase 3D Structure for P06732
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	CKMB antibody was raised in mouse using purified human CK-MB as the immunogen.
Product Categories/Family for anti-CKMB antibody	Cardiac Markers
Applications Tested/Suitable for anti-CKMB antibody	User optimized
Related Product Information for anti-CKMB antibody	MBS530732 is an antibody targeting CKMB. Also known as CKMB antibody. Host: Mouse. Mouse monoclonal CKMB antibody
Other Notes	Small volumes of anti-CKMB antibody 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.

ADDITIONAL DETAILS

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

NCBI GI #	21536288
NCBI GeneID	1158
NCBI Accession #	NP_001815.2
UniProt Primary Accession #	P06732
UniProt Secondary Accession #	Q96QL9

UniProt Related Accession #	P06732
GenBank Nucleotide #	NM_001824.4
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; M-CK
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_HUMAN
NCBI Protein Information	creatine kinase M-type
NCBI Summary for CKMB	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]
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: Amino Acid Metabolism - arginine and proline; Kinase, other; EC 2.7.3.2 Chromosomal Location of Human Ortholog: 19q13.32 Cellular Component: cytosol Molecular Function: creatine kinase activity; ATP binding Biological Process: phosphocreatine biosynthetic process; creatine metabolic process; phosphorylation
Research Articles on CKMB	**1.** elderly women classified as high response experienced greater serum response to eccentric resistance exercise
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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