Best Tools for immunology Research

CK-MM mouse mAb

Catalog No :	YM1457
Reactivity :	Human
Applications :	ELISA
Target :	CK-MM
Fields :	>>Arginine and proline metabolism;>>Metabolic pathways
Gene Name :	ckmm
Human Gene Id :	1158
Human Swiss Prot No :	P06732
Mouse Swiss Prot No :	P07310
Immunogen :	Purified recombinant human CK-MM protein expressed in E.coli.
Specificity :	This antibody detects Human CK-MM.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	

Cell Pathway : Arginine and proline metabolism;

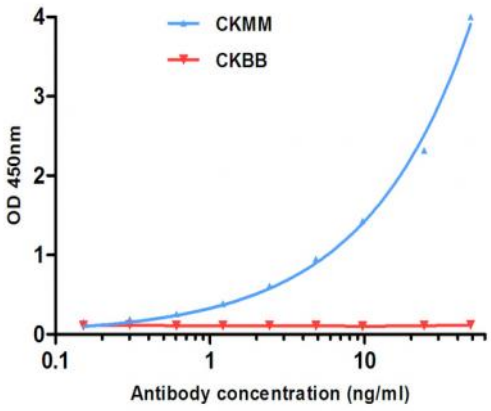
Background : The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as 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],

Function : catalytic activity:ATP + creatine = ADP + phosphocreatine.,function: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.,online information:CKM entry,online information:Creatine kinase entry,similarity:Belongs to the ATP:guanido phosphotransferase family.,subunit:Dimer of identical or non-identical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain.,

Subcellular Location : Cytoplasm.

Expression : Liver,

Products Images



Indirect ELISA assay for anti-CK-MM mouse mAb.CKBB as control antigen. Antigen coating concentration: 4ug/ml.