

Product datasheet for **AM00688PU-N**

Creatine kinase M type (CKM) Mouse Monoclonal Antibody [Clone ID: 027-17186]

Product data:

Product Type:	Primary Antibodies
Clone Name:	027-17186
Applications:	ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified human CK-MM
Specificity:	This antibody reacts to Creatine Kinase MM. Cross-reactivity: CK-MB: 50% CK-BB: <1%
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium chloride and 0.09% Sodium azide State: Purified State: Liquid purified IgG (0.2µm filtered)
Concentration:	lot specific
Purification:	>90% pure (SDS-PAGE). Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -40°C for longer. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	creatine kinase, M-type
Database Link:	Entrez Gene 1158 Human P06732



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Background:	Creatine Kinase MM (CK-MM) 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.
Synonyms:	Creatine kinase M-type, Creatine kinase M chain, M-CK, CKM, Creatine kinase MM
Note:	Centrifuge before opening to ensure complete recovery of vial contents.
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Metabolic pathways