

Product datasheet for **AM00687PU-N**

Creatine kinase M type (CKM) Mouse Monoclonal Antibody [Clone ID: A12E3-15-12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	A12E3-15-12
Applications:	ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CK-MM purified from Human smooth muscle.
Specificity:	This antibody recognizes Human Creatine Kinase MM. Cross-reactivity: CK-MB: 52%, CK-BB: 0%.
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride State: Purified State: Liquid purified IgG (0.2µm filtered) (>90% pure SDS-PAGE) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. 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