

For Research Use Only

CoraLite®594-conjugated CKM-Specific Monoclonal antibody



Catalog Number:CL594-60177

Basic Information

Catalog Number: CL594-60177	GenBank Accession Number: BC007462	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1158	CloneNo.: 2G3F6
Source: Mouse	Full Name: creatine kinase, muscle	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 43 kDa	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
	Observed MW: 43 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : C2C12 cells,
Species Specificity: human, mouse, rat	

Background Information

CKM, also named as CKMM and M-CK, is a member of the ATP:guanido phosphotransferase protein family. It is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. CKM 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. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. CK MB consists of a dimer of nonidentical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain.

Storage

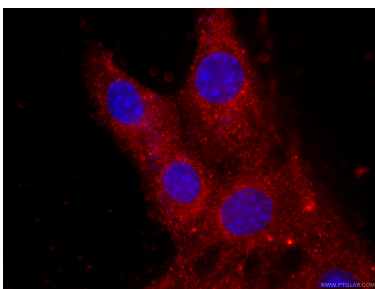
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C12 cells using CL594-60177 (CKM-Specific antibody) at dilution of 1:100.