

For Research Use Only

# CoraLite® Plus 488-conjugated MTMR14 Monoclonal antibody

Catalog Number: CL488-67561



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-67561	BC050626	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	64419	1A8B2
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	Q8NCE2	IF-P 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG2b	myotubularin related protein 14	493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG6883	72 kDa	
	Observed MW:	
	74 kDa	

## Applications

Tested Applications:	Positive Controls:
IF-P	IF-P : mouse skeletal muscle tissue,
Species Specificity:	
Human, mouse, rat	

## Background Information

MTMR14, also known as Jumpy, belongs to the MTM1/MTMRs family which has 15 members that divided into two subgroup: catalytically inactive and active. MTMR14 is a catalytically active member possessing an active phosphatase domain, that specifically dephosphorylates PI3P and phosphatidylinositol (3,5)-bisphosphate (PI3,5P2) at position 3 on inositol ring. A remarkable feature of the MTM1/MTMRs family is the association between a catalytically inactive member and a catalytically active member, which plays an important regulatory role. MTMR14 has 3 isoforms with molecular weight of 60-72 kDa, and also can be detected as a higher molecular weight due to the heterodimerization with other MTMR members.

## Storage

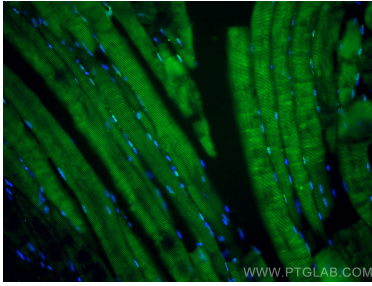
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using CoraLite® Plus 488 MTMR14 antibody (CL488-67561, Clone: 1A8B2 ) at dilution of 1:200.