

For Research Use Only

CoraLite® Plus 488-conjugated Myosin Light Chain 2/MLC-2V Polyclonal antibody



Catalog Number: **CL488-10906** **1 Publications**

Basic Information

Catalog Number: CL488-10906	GenBank Accession Number: BC015821	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4633	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P10916	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: myosin, light chain 2, regulatory, cardiac, slow	
Immunogen Catalog Number: AG1356	Calculated MW: 19 kDa	
	Observed MW: 19 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse heart tissue,
Cited Applications: IF	
Species Specificity: human, mouse, rat, zebrafish	
Cited Species: human	

Background Information

MYL2, also named as MLC-2v and MLC-2, is ventricular/cardiac muscle isoform. Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 (CMH10). Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic with mid-left ventricular chamber type 2 (MVC2). MYL2 has been widely used as a marker of mature ventricular cardiomyocytes. There are four genes of myosin light chain 2 (MLC2): MYL2 (MLC2v), MYL5, MYL7 (MLC2a) and MYL9 (MLC2c). While usually myosin light chain 2 is referred to MYL2.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei qi Zeng	37381027	Cell Commun Signal	IF

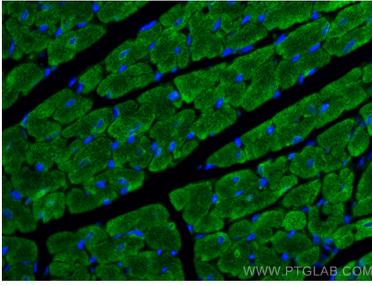
Storage

Storage:
Store at -20°C. Avoid exposure to light.
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:
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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 (4% PFA) fixed mouse heart tissue using CoraLite® Plus 488 Myosin Light Chain 2/MLC-2V antibody (CL488-10906) at dilution of 1:200.