

For Research Use Only

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



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

## Basic Information

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

## Applications

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

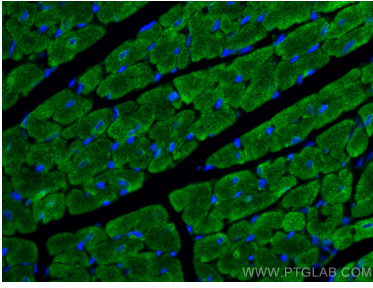
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.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 (4% PFA) fixed mouse heart tissue using CoraLite® Plus 488 Myosin Light Chain 2/MLC-2V antibody (CL488-10906) at dilution of 1:200.