

# CoraLite® Plus 488-conjugated Myosin Light Chain 2 Monoclonal antibody

Catalog Number: **CL488-60229**

## Basic Information

|                                     |   |   |
|-------------------------------------|---|---|
| Catalog Number:<br>CL488-60229      | GenBank Accession Number:<br>BC015821                             | Purification Method:<br>Protein G purification                |
| Size:<br>1000 µg/ml                 | GeneID (NCBI):<br>4633  | CloneNo.:<br>5A1F1  |
| Source:<br>Mouse                    | UNIPROT ID:<br>P10916   | Recommended Dilutions:<br>IF/ICC 1:50-1:500                   |
| Isotype:<br>IgG1                    | Full Name:<br>myosin, light chain 2, regulatory,<br>cardiac, slow | Excitation/Emission maxima<br>wavelengths:<br>493 nm / 522 nm |
| Immunogen Catalog Number:<br>AG1356 | Calculated MW:<br>19 kDa  |   |
|                                     | Observed MW:<br>18 kDa  |   |

## Applications

|  |   |
|--|---|
| Tested Applications:<br>IF/ICC                 | Positive Controls:<br>IF/ICC : C2C12 cells, |
| Species Specificity:<br>human, mouse, rat, pig |   |

## 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.

## 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:

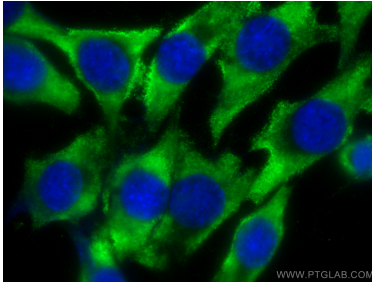
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W: [ptgcn.com](http://ptgcn.com)

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 (-20°C Ethanol) fixed C2C12 cells using CoraLite® Plus 488 Myosin Light Chain 2 antibody (CL488-60229, Clone: 5A1F1) at dilution of 1:200.