

For Research Use Only

# CoraLite®594-conjugated Myosin Light Chain 2 Monoclonal antibody



Catalog Number:CL594-60229

## Basic Information

Catalog Number:

CL594-60229

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1356

GenBank Accession Number:

BC015821

GeneID (NCBI):

4633

UNIPROT ID:

P10916

Full Name:

myosin, light chain 2, regulatory, cardiac, slow

Calculated MW:

19 kDa

Observed MW:

18 kDa

Purification Method:

Protein G purification

CloneNo.:

5A1F1

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF : C2C12 cells,

## 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:

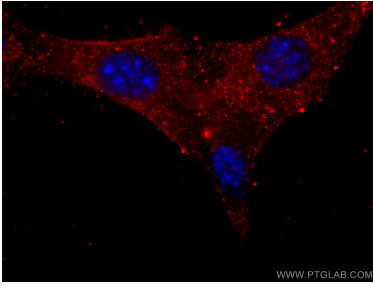
T: 4006900926

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 (-20°C Ethanol) fixed C2C12 cells using CL594-60229 (Myosin Light Chain 2 antibody) at dilution of 1:50 .