

For Research Use Only

CoraLite®594-conjugated ACTC1-specific Monoclonal antibody

Catalog Number:CL594-66125



Basic Information

Catalog Number:

CL594-66125

GenBank Accession Number:

NM_005159

Purification Method:

Protein G purification

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

GeneID (NCBI):

70

CloneNo.:

1F2B9

Source:

Mouse

UNIPROT ID:

P68032

Recommended Dilutions:

IF-P 1:50-1:500

Isotype:

IgG1

Full Name:

actin, alpha, cardiac muscle 1

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Calculated MW:

42 kDa

Applications

Tested Applications:

IF-P, FC (Intra)

Positive Controls:

IF-P : mouse heart tissue,

Species Specificity:

human, mouse, rat, pig

Background Information

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. The ACTC1 gene encodes cardiac muscle alpha-actin, the predominant actin isoform in adult heart, which interacts with a variety of proteins to produce the force for muscle contraction. This antibody is specific to the ACTC1. It does not cross-react with other actin isoforms. The antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

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

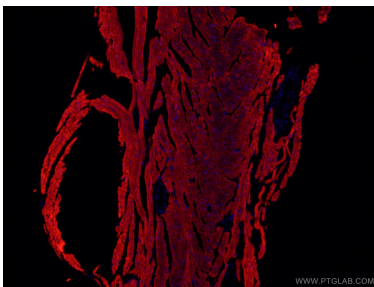
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

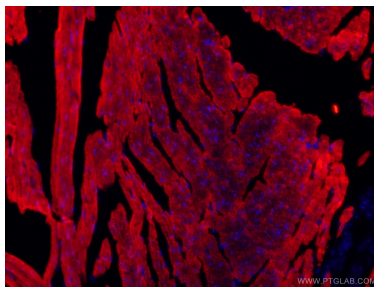
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

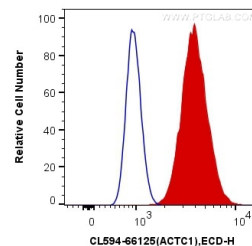
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CL594-66125 (ACTC1-specific antibody) at dilution of 1:100.



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1X10⁶ C2C12 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human ACTC1-specific (CL594-66125, Clone:1F2B9) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL594-66360, Clone:T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).