

For Research Use Only

# CoraLite® Plus 647-conjugated Desmin Recombinant monoclonal antibody

Catalog Number: CL647-82748



## Basic Information

Catalog Number:

CL647-82748

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9742

GenBank Accession Number:

BC032116

GeneID (NCBI):

1674

UNIPROT ID:

P17661

Full Name:

desmin

Calculated MW:

470 aa, 54 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

1D21

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P : mouse heart tissue,

## Background Information

Desmin is the main intermediate filament protein in skeletal and cardiac muscle cells and is essential for both the structural integrity and the survival of muscle cells. As an abundant muscle-specific protein, desmin has been widely used as a marker of muscle derived tumors. Anti-desmin is also valuable in the differential diagnosis of tumors of uncertain origin.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

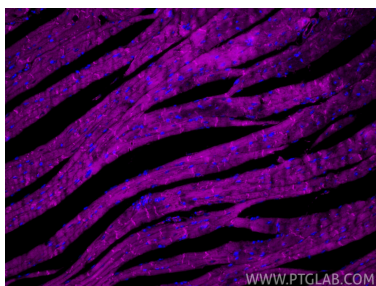
For technical support and original validation data for this product please contact:

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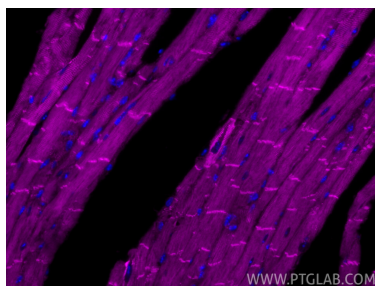
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite® Plus 647 Desmin antibody (CL647-82748, Clone: 1D21 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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