

For Research Use Only

# CoraLite®594-conjugated Desmin Recombinant monoclonal antibody

Catalog Number:CL594-82748



## Basic Information

### Catalog Number:

CL594-82748

### 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:

588 nm / 604 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

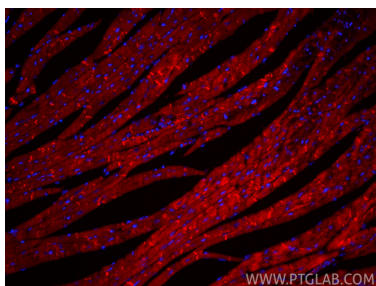
For technical support and original validation data for this product please contact:

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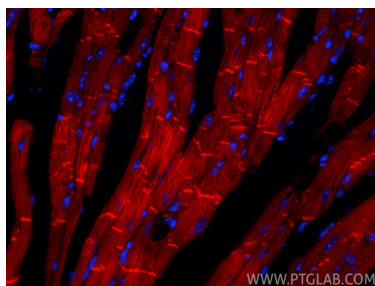
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite®594 Desmin antibody (CL594-82748, Clone: 1D21 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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