

For Research Use Only

# CoraLite®594-conjugated Dystrophin Recombinant monoclonal antibody

Catalog Number: CL594-83609-6



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL594-83609-6	BC028720	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	1756	240567C4
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	P11532	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	dystrophin	wavelengths:
Immunogen Catalog Number:	Calculated MW:	588 nm / 604 nm
AG3408	3685 aa, 427 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HepG2 cells,
Species Specificity:	
human, mouse, rat	

## Background Information

Dystrophin (DMD or BMD) is a large muscle protein whose mutations cause Duchenne muscular dystrophy (DMD) and Becker muscular dystrophy (BMD), the childhood neuromuscular disorders that result in progressive muscle weakness, respiratory difficulties and cardiovascular dysfunction. Dystrophin is a crucial component of the dystrophin-glycoprotein complex which is essential for muscle membrane integrity and stability. Dystrophin is located on the cytoplasmic face of the sarcolemma and connects the cytoskeletal network to the sarcolemma and extracellular matrix. Multiple isoforms of dystrophin exist due to the alternative splicing, with a wide range of MW (69-72, 110-143, 271, 426 kDa). Most tissues contain transcripts of several isoforms.

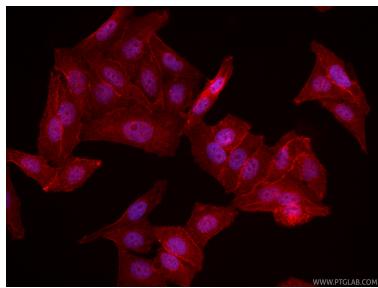
## Storage

**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:  
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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite®594 Dystrophin antibody (CL594-83609-6, Clone: 240567C4) at dilution of 1:200.