

For Research Use Only

CoraLite® Plus 647-conjugated Dystrophin Recombinant monoclonal antibody

Catalog Number: **CL647-83609-6**



Basic Information

Catalog Number:

CL647-83609-6

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3408

GenBank Accession Number:

BC028720

GeneID (NCBI):

1756

UNIPROT ID:

P11532

Full Name:

dystrophin

Calculated MW:

3685 aa, 427 kDa

Purification Method:

Protein A purification

CloneNo.:

240567C4

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

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:

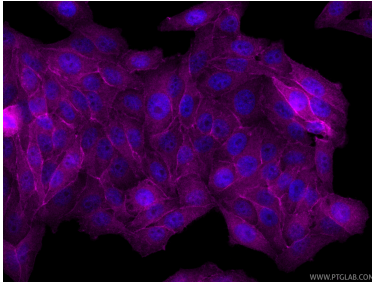
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 647 Dystrophin antibody (CL647-83609-6, Clone: 240567C4) at dilution of 1:200.