

For Research Use Only

CoraLite® Plus 488-conjugated Dystrophin Monoclonal antibody



Catalog Number:CL488-68120

Basic Information

Catalog Number: CL488-68120	GenBank Accession Number: BC028720	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1756	CloneNo.: 1G12E6
Source: Mouse	Full Name: dystrophin	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 3685 aa, 427 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG4392	Observed MW: 70 kDa, 430 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : mouse skeletal muscle tissue, H9C2 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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

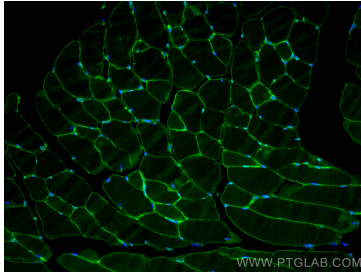
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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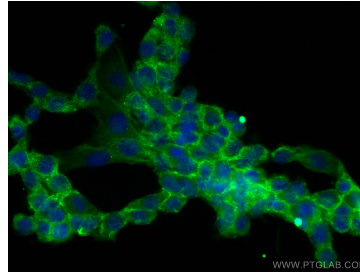
E: proteintech@ptglab.com
W: ptglab.com

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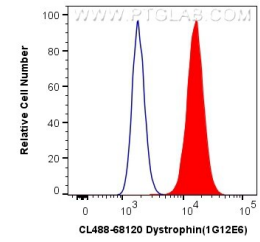
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using CoraLite® Plus 488 Dystrophin antibody (CL488-68120, Clone: 1G12E6) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed H9C2 cells using CoraLite® Plus 488 Dystrophin antibody (CL488-68120, Clone: 1G12E6) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Dystrophin (CL488-68120, Clone:1G12E6) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).