

For Research Use Only

CoraLite® Plus 488-conjugated Emerin Polyclonal antibody



Catalog Number: CL488-10351

Basic Information

Catalog Number: CL488-10351	GenBank Accession Number: BC000738	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 2010	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: emerin	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG0236	Observed MW: 35 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse	

Background Information

Emerin (Emery-Dreifuss muscular dystrophy) (EMD or EDMD), a serine-rich nuclear membrane protein, is a member of the nuclear lamina-associated protein family. EMD may mediate membrane anchorage to the cytoskeleton by stabilizing and promoting the formation of a nuclear actin cortical network. Defects in EMD gene are the cause of Emery-Dreifuss muscular dystrophy type 1 (EDMD1), a degenerative myopathy characterized by weakness and atrophy of muscle without involvement of the nervous system, early contractures of the elbows Achilles tendons and spine, and cardiomyopathy associated with cardiac conduction defects. EMD inhibits beta-catenin activity by preventing its accumulation in the nucleus and is involved in HIV-1 infection.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

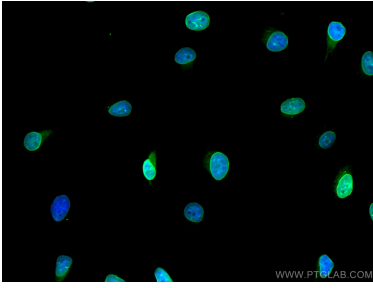
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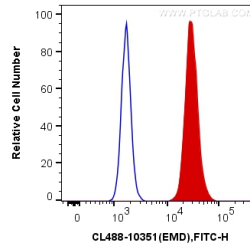
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Emerin antibody (CL488-10351) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Emerin (CL488-10351) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).