

Emerin Monoclonal Antibody (MANEM1(5D10))

Product Details	
Size	100 µL
Species Reactivity	Human, Rabbit
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	MANEM1(5D10)
Conjugate	Unconjugated
Immunogen	Recombinant Human Emerin aa 1-188
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2539459

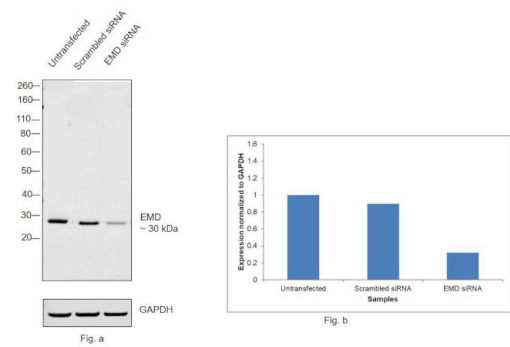
Applications	Tested Dilution	Publications
Western Blot (WB)	1:400-1:800	-
Immunocytochemistry (ICC/IF)	1:4-1:25	-
Immunoblot (IB)	Assay-dependent	-

Product Specific Information

This antibody does not cross-react with mouse samples.

This target has a predicted molecular weight of 29 kDa.

Product Images For Emerin Monoclonal Antibody (MANEM1(5D10))

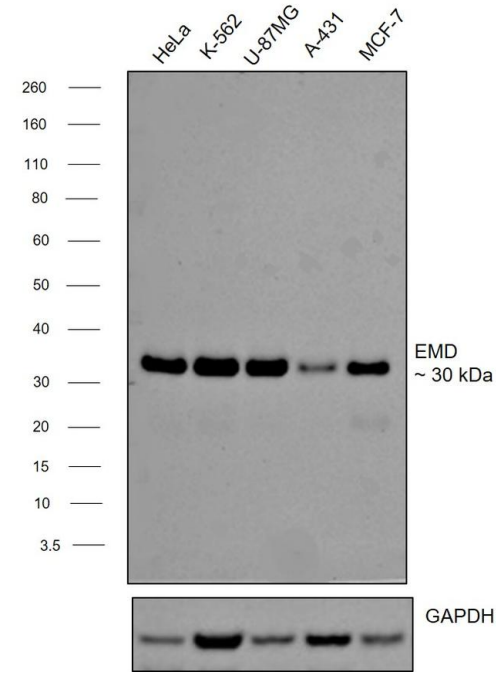


Emerin Antibody (MA5-18076)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with EMD siRNA and a decrease in signal intensity was observed in western blot application using Anti-Emerin Monoclonal Antibody (MANEM1(5D10)) (Product # MA5-18076). {KD}

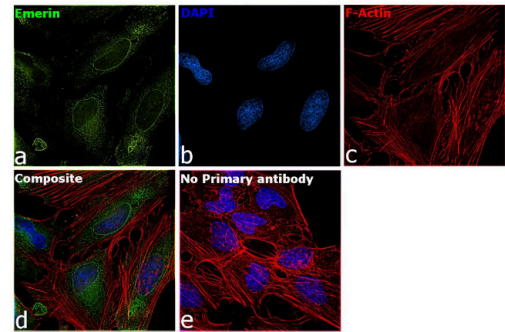
Emerin Antibody (MA5-18076) in WB

Western blot was performed using Anti-Emerin Monoclonal Antibody (MANEM1(5D10)) (Product # MA5-18076) and a 32 kDa band corresponding to EMD was observed across cell lines tested. Modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), K-562 (Lane 2), U-87MG (Lane 3), A-431 (Lane 4) and MCF-7 (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Emerin Antibody (MA5-18076) in ICC/IF

Immunofluorescence analysis of Emerin was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Emerin Monoclonal Antibody (MANEM1(5D10)) (Product # MA5-18076) at 1:25 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear membrane and endoplasmic reticulum localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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