

Myogenin Monoclonal Antibody (5FD)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	5FD
Conjugate	Unconjugated
Immunogen	Recombinant GST tagged fusion protein corresponding to residues 30-224 of rat myogenin.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2148888

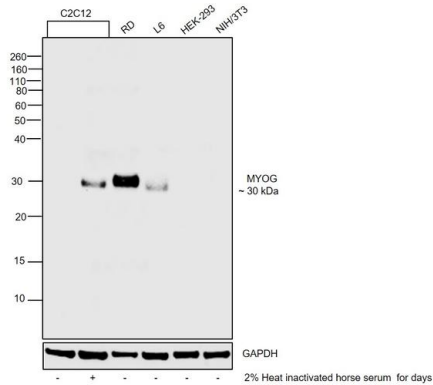
Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	20-40 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	10-20 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

Product Specific Information
Suggested positive control: Rh-30.

Product Images For Myogenin Monoclonal Antibody (5FD)

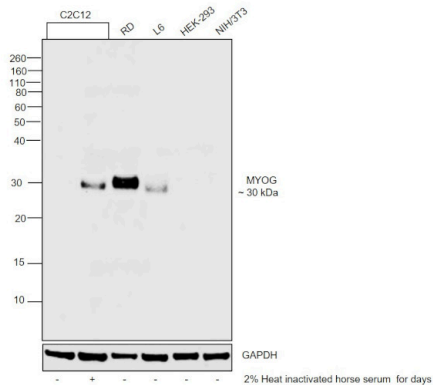
Myogenin Antibody (MA1-41042) in WB

Western blot was performed using Anti-Myogenin Monoclonal Antibody (5FD) (Product # MA1-41042) and a 30 kDa band corresponding to MYOG was observed across cell lines except HEK-293 and NIH/3T3 which are reported to be negative and also increased upon 2% heat inactivated horse serum treatment. Modified whole cell extracts (1% SDS) (30 µg lysate) of C2C12 (Lane 1), C2C12 treated with 2% heat inactivated horse serum for 5days (Lane 2), RD (Lane 3), L6 (Lane 4), HEK-293 (Lane 5) and NIH/3T3 (Lane 6) were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX). 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 (2 ug/ml) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



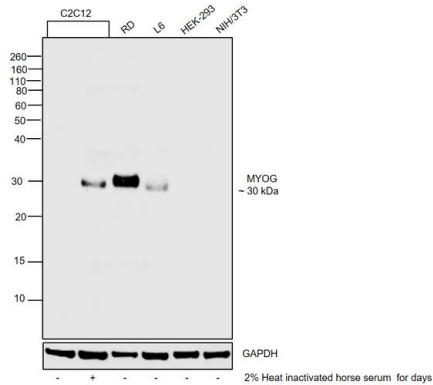
Myogenin Antibody (MA1-41042)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of MYOG was observed in RD and L6 in comparison to HEK-293 and NIH/3T3 using Anti-Myogenin Monoclonal Antibody (5FD) (Product # MA1-41042) in Western Blot. {RE}



Myogenin Antibody (MA1-41042)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Myogenin Monoclonal Antibody (5FD) (Product # MA1-41042), shows increased expression of proteins in C212 upon treatment with 2% heat inactivated horse serum for 5 days. {TM}



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