

Product Datasheet

MyoD Antibody (5.8A) - Azide and BSA Free NBP2-80863

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-80863

Updated 6/13/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-80863



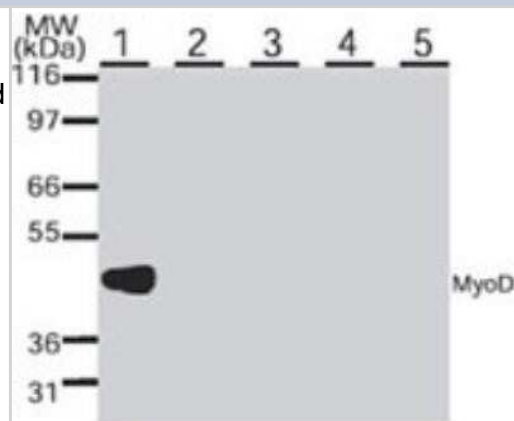
NBP2-80863**MyoD Antibody (5.8A) - Azide and BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5.8A
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	4654
Gene Symbol	MYOD1
Species	Human, Mouse
Immunogen	The 5.8A antibody was made against recombinant mouse MyoD protein but it also recognizes human (myf3), rat, and cat homologs. The epitope of this antibody was mapped to a region within aa 180-189 of mouse MyoD (NP_002469).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot 1 ug/mL, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 5 ug/mL, Immunoprecipitation 1 ug/mL, Immunohistochemistry-Frozen 1:10 - 1:500, Knockout Validated, Knockdown Validated
Application Notes	There is considerable literature published using the MyoD, Clone 5.8 antibody. The original development publication of the MyoD antibody, Clone 5.8A showed that the antibody detected MyoD in rhabdomyosarcomas by IHC (frozen) but not in normal adult tissues (Dias, 1992) or normal fetal skeletal muscle. The 5.8A clone also detected MyoD1 in a subset of Wilms' tumors and one ectomesenchyoma, neoplasms known to contain myogenic elements. These results led to the concept in 1992 that the 5.8A clone may be useful for differentiating rhabdomyosarcomas from other soft tissue malignancies. However, as there has been a myriad of publications since Clone 5.8A was first described, users are encourage to consult the scientific literature citing Clone 5.8A to determine the suitability of the antibody for their model system.

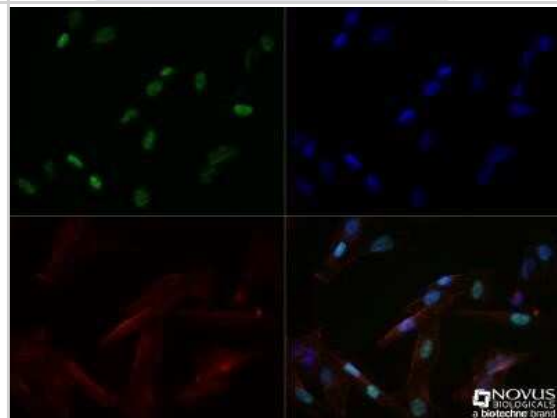


Images

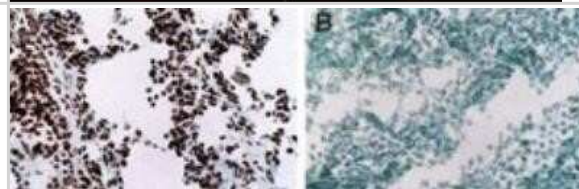
Western Blot: MyoD Antibody (5.8A) - Azide and BSA Free [NBP2-80863] - Analysis for MyoD expression in various small round cell tumor lines using 1 ug/ml anti-MyoD mAb. The antibody only reacts with a band of approx. 45 kDa in the rhabdomyosarcoma cell line (Rh30, lane 1) but was negative against the primitive neuroectodermal (PFSK-1A, lane 2), lymphoma (EB2, lane 3), neuroblastoma (SK-N-SH, lane 4), and Ewing's sarcoma (SJSA-1, lane 5) cell lines. Image from the standard format of this antibody.



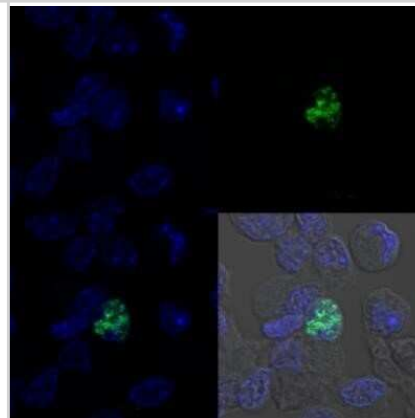
Immunocytochemistry/Immunofluorescence: MyoD Antibody (5.8A) - Azide and BSA Free [NBP2-80863] - RD cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-MyoD1 (5.8A) NB100-56511 at a 1:200 dilution overnight at 4C and detected with anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was counterstained with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunohistochemistry: MyoD Antibody (5.8A) - Azide and BSA Free [NBP2-80863] - Clone 5.8A antibody in human tissues. A. Rhabdomyosarcoma (nuclei are stained), B. Lymphoma (staining is absent) Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: MyoD Antibody (5.8A) - Azide and BSA Free [NBP2-80863] - Cell Lines Tested: mouse skeletal muscle-derived primary cell population Test Sample Preparation: mouse skeletal muscle digested by collagenase type 2 System: Super Sensitive High Resolution Confocal Laser Microscope (LSM880 with Airyscan) Excitation Wavelength: 488nm Emission Filter: 562nm Image is courtesy of customer review. Image using the DyLight 488 form of this antibody Image from the standard format of this antibody.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-80863

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

