

Product Datasheet

DMC1 Antibody (1D12/4) - BSA Free NB100-181

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

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NB100-181

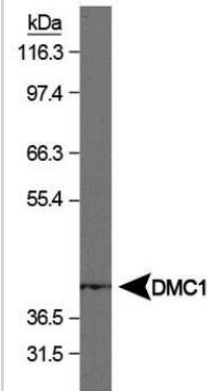
DMC1 Antibody (1D12/4) - BSA Free

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | This product is unpurified. The exact concentration of antibody is not quantifiable. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 1D12/4 |
| Preservative | 0.1% Sodium Azide |
| Isotype | IgG1 |
| Purity | Unpurified |
| Buffer | Ascites |
| Target Molecular Weight | 37 kDa |
| Product Description | |
| Description | Novus Biologicals Mouse DMC1 Antibody (1D12/4) - BSA Free (NB100-181) is a monoclonal antibody validated for use in WB and IP. Anti-DMC1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 11144 |
| Gene Symbol | DMC1 |
| Species | Human, Mouse |
| Reactivity Notes | Does not cross-react with human Rad51 in Western blot analysis. |
| Immunogen | This DMC1 Antibody (1D12/4) is made against His-tagged human DMC1, overexpressed in E. coli [UniProt# Q14565]. |
| Product Application Details | |
| Applications | Western Blot, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1:1000, Immunoprecipitation reported in scientific literature |
| Application Notes | In Western Blot, a band can be seen at ~37 kDa for endogenous protein and ~40.5 kDa for recombinant his-tagged DMC1. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. |



Images

Western Blot: DMC1 Antibody (1D12/4) [NB100-181] - Analysis of DMC1 on human testis using NB100-181.



Publications

Masson, J et al. The meiosis-specific recombinase hDms1 forms ring structures interacts with hRad51. EMBO J. 18:6552-6560. 1999-01-01 [PMID: 10562567] (WB, IP, Human)

Procedures

Western Blot protocol for DMC1 Antibody (NB100-181)

DMC1 Antibody (1D12/4):

Western Blot

Procedure Guide for NB 100-181 Anti-hDMC-1

Western Blot

1. Proteins are separated on an SDS-PAGE gel.
2. Following the protein transfer, the membrane is blocked with 5% NFDM in TBS-T.
3. The membrane is then washed.
4. NB 100-181 [anti-hDMC] is diluted 1:1,000 in dilution buffer [5% NFDM in TBS-T] and incubated for 3 hours at room temperature, gently shaking.
5. The membrane is then washed.
6. Secondary antibody [HRP conjugated goat anti-mouse] is incubated for 45 minutes at room temperature, gently shaking.
7. Develop membrane.

NOTE: Mouse testis tissue extracts were used as a positive control for this antibody. MEF 161 and HeLa whole cell extracts were not shown to work in Western analysis.





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

Products Related to NB100-181

| | |
|------------------|---|
| NB820-59672 | Mouse Testis Whole Tissue Lysate (Adult Whole Normal) |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1) |

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.

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