

# Product Datasheet

## DMC1 Antibody (2H12/4) - BSA Free NB100-2617

Unit Size: 0.1 mg

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

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**NB100-2617**

DMC1 Antibody (2H12/4) - 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	2H12/4
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse DMC1 Antibody (2H12/4) - BSA Free (NB100-2617) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF 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, Bovine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Specific for DMC1 - does not cross-react with the related protein Rad51.
Immunogen	Human DMC1 protein (expressed as 6xHis fusion in E. coli and band cut out of gel of insoluble pellet)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 1:10-1:500
Application Notes	Predicted molecular weight: 41 kDa. Optimal dilutions/concentrations should be determined by the end user. Unstable after acidic elution.

**Publications**

Wells D, Bitoun E, Moralli D et al. ZCWPW1 is recruited to recombination hotspots by PRDM9, and is essential for meiotic double strand break repair Elife 2020-08-04 [PMID: 32744506]





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### **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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