

# Product Datasheet

## PRDM5 Antibody (7D4C12) - BSA Free NBP2-52540

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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**NBP2-52540**

PRDM5 Antibody (7D4C12) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7D4C12
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	73 kDa

**Product Description**

<b>Description</b>	Novus Biologicals Mouse PRDM5 Antibody (7D4C12) - BSA Free (NBP2-52540) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-PRDM5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	11107
<b>Gene Symbol</b>	PRDM5
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Purified recombinant fragment of human PRDM5 (AA: 1-100) expressed in E. Coli.

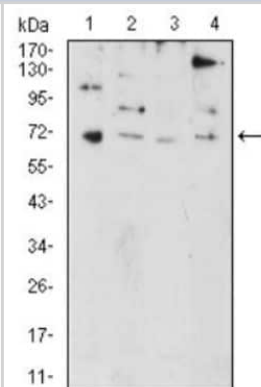
**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready. Use in Immunohistochemistry-paraffin reported in scientific literature (PMID: 31119897).

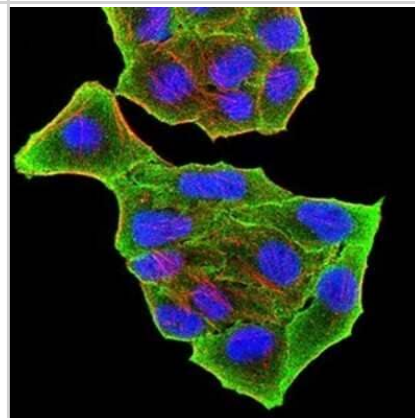


## Images

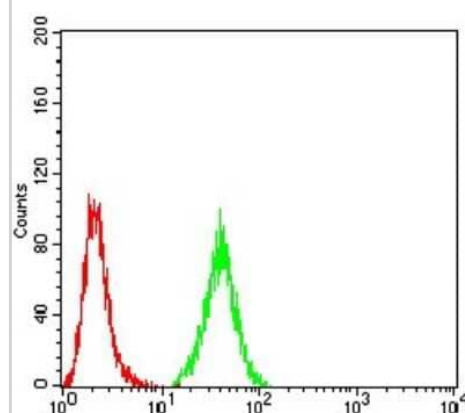
Western Blot: PRDM5 Antibody (7D4C12) [NBP2-52540] - Western blot analysis using PRDM5 mouse mAb against HL-60 (1), NIH/3T3 (2), SW480 (3), and HEK293 (4) cell lysate.



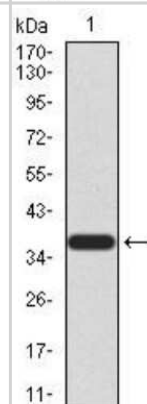
Immunocytochemistry/Immunofluorescence: PRDM5 Antibody (7D4C12) [NBP2-52540] - Analysis of MCF-7 cells using PRDM5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



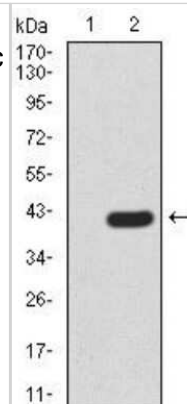
Flow Cytometry: PRDM5 Antibody (7D4C12) [NBP2-52540] - Analysis of HeLa cells using PRDM5 mouse mAb (green) and negative control (red).



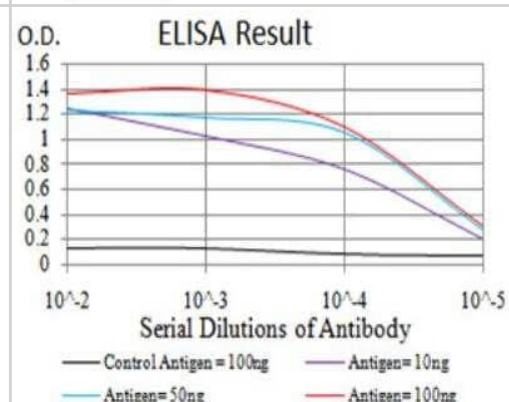
Western Blot: PRDM5 Antibody (7D4C12) [NBP2-52540] - Analysis using PRDM5 mAb against human PRDM5 (AA: 1-100) recombinant protein. (Expected MW is 37.6 kDa)



Western Blot: PRDM5 Antibody (7D4C12) [NBP2-52540] - Analysis using PRDM5 mAb against HEK293 (1) and PRDM5 (AA: 1-100)-hIgGFc transfected HEK293 (2) cell lysate.



ELISA: PRDM5 Antibody (7D4C12) [NBP2-52540] - Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng).



## Publications

Teng JJ, Zhao WJ, Zhang XL Et al. Downregulation of promoter methylation gene PRDM5 contributes to the development of tumor proliferation and predicts poor prognosis in gastric cancer Journal of Cancer 2021-10-03 [PMID: 34659579]

Zhou P, Chen X, Li M Overexpression of PRDM5 promotes acute myeloid leukemia cell proliferation and migration by activating the JNK pathway Cancer Med 2019-05-23 [PMID: 31119897] (IHC-P, Human)



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### **Products Related to NBP2-52540**

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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)
H00011107-P01-10ug	Recombinant Human PRDM5 GST (N-Term) Protein

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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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