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PRDM1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant PRDM1.
Catalog # AT3418a

Specification

PRDM1 Antibody (monoclonal) (M04) - Product Information

Application	**WB, E**
Primary Accession	O75626
Other Accession	NM_001198
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**91771**

PRDM1 Antibody (monoclonal) (M04) - Additional Information

Gene ID 639

Other Names
PR domain zinc finger protein 1, 211-, BLIMP-1, Beta-interferon gene positive regulatory domain I-binding factor, PR domain-containing protein 1, Positive regulatory domain I-binding factor 1, PRDI-BF1, PRDI-binding factor 1, PRDM1, BLIMP1

Target/Specificity
PRDM1 (NP_001189, 1 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PRDM1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM1 Antibody (monoclonal) (M04) - Protocols

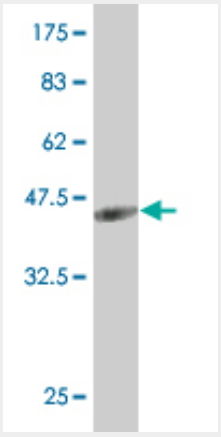
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

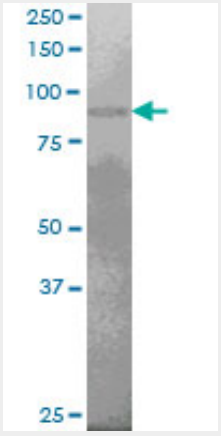
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

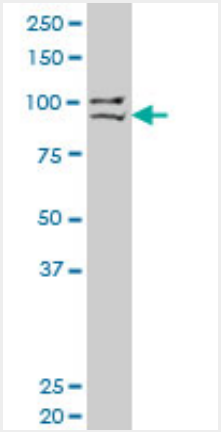
PRDM1 Antibody (monoclonal) (M04) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .

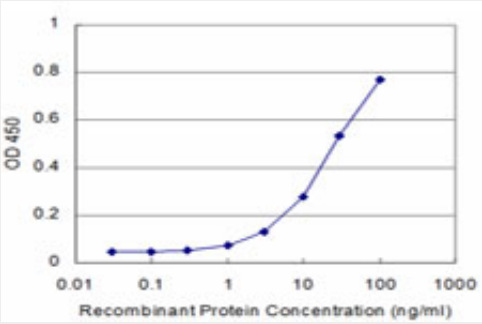


PRDM1 monoclonal antibody (M04), clone 2F8. Western Blot analysis of PRDM1 expression in human skeletal muscle.



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PRDM1 monoclonal antibody (M04), clone 2F8 Western Blot analysis of PRDM1 expression in SJCRH30 ((Cat # AT3418a)



Detection limit for recombinant GST tagged PRDM1 is approximately 3ng/ml as a capture antibody.

PRDM1 Antibody (monoclonal) (M04) - Background

This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported.

PRDM1 Antibody (monoclonal) (M04) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Blimp-1 is a tumor suppressor gene in lymphoid malignancies. Hangaishi A, et al. Int J Hematol, 2010 Jan. PMID 20047096.Peroxisome proliferator-activated receptor gamma ligands enhance human B cell antibody production and differentiation. Garcia-Bates TM, et al. J Immunol, 2009 Dec 1. PMID 19915048.Genetic variants at CD28, PRDM1 and CD2/CD58 are associated with rheumatoid arthritis risk. Raychaudhuri S, et al. Nat Genet, 2009 Dec. PMID 19898481.A large-scale replication study identifies TNIP1, PRDM1, JAZF1, UHRF1BP1 and IL10 as risk loci for systemic lupus erythematosus. Gateva V, et al. Nat Genet, 2009 Nov. PMID 19838195.