

DATASHEET

PRDM14 Mouse Monoclonal Antibody(C2917)

CAT. NO. AMA02529

KEY FEATURES

Target	PRDM14	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Transcription factor that has both positive and negative roles on transcription. Required for the maintenance of embryonic stem cell identity and the reacquisition of pluripotency in somatic cells. May play an essential role in germ cell development at 2 levels: the reacquisition of potential pluripotency, including SOX2 up-regulation, and successful epigenetic reprogramming, characterized by EHMT1 repression. Its association with CBFA2T2 is required for the functions in pluripotency and germ cell formation. Directly up-regulates the expression of pluripotency gene POU5F1 through its proximal enhancer. Binds to the DNA consensus sequence 5'-GGTC[TC]CTAA-3'.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to PRDM14
Specificity	Recognizes endogenous levels of PRDM14 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PRDM14 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 64 kD; Observed: 64 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PR domain zinc finger protein 14; PR domain-containing protein 14
Gene Symbol	PRDM14
Entrez Gene	63978(Human)
SwissProt	Q9GZV8(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

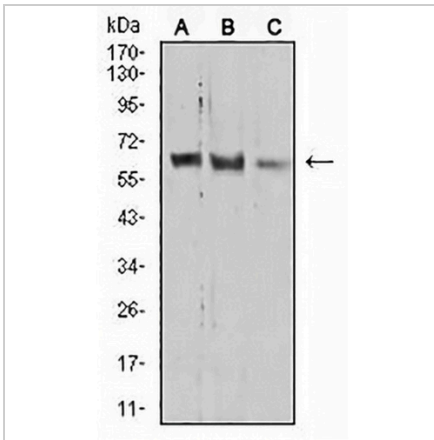
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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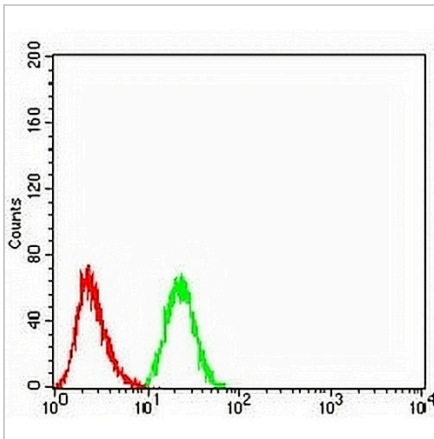
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Western blot analysis of PRDM14 expression in HEK293 (A), A549 (B), HepG2 (C) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 64 kD)



Flow cytometric analysis of A549 cells using Anti-PRDM14 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.