

## DATASHEET

# PRDM12 Mouse Monoclonal Antibody(C4004)

CAT. NO. AMA03616

### KEY FEATURES

Target	PRDM12	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

### BACKGROUND

Transcriptional regulator necessary for the development of nociceptive neurons, playing a key role in determining the nociceptive lineage from neural crest cell progenitors. Initiates neurogenesis and activates downstream pro-neuronal transcription factors, such as NEUROD1, BRN3A, and ISL1, specifically within nociceptive neurons, while repressing non-nociceptor cell fates. Essential for the proper function of nociceptors in adults, influencing both their excitability and their gene expression, thereby impacting how these neurons respond to various pain stimuli.

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

### PRODUCT OVERVIEW

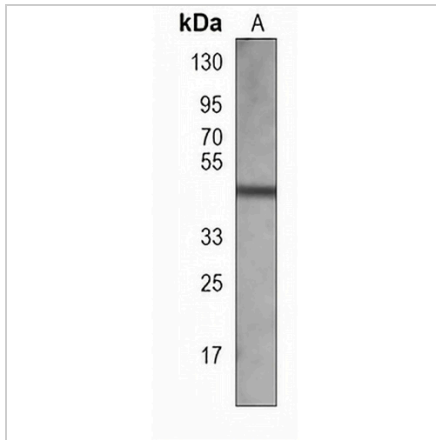
Description	Mouse monoclonal antibody to PRDM12
Specificity	Recognizes endogenous levels of PRDM12 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PRDM12. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 40 kD; Observed: 40 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PFM9; PR domain zinc finger protein 12; PR domain-containing protein 12
Gene Symbol	PRDM12
Entrez Gene	59335(Human); 381359(Mouse)
SwissProt	Q9H4Q4(Human); A2AJ77(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto: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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**DATA**

Western blot analysis of PRDM12 expression in 293 (A) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40 kD)

**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.