PRDM4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PRDM4, Monoclonal Antibody
Full Product Name	PRDM4 (PR Domain Containing 4, MGC45046, PFM1) (MaxLight 490)
Product Gene Name	anti-PRDM4 antibody
Product Synonym Names	PR Domain Containing 4; MGC45046; PFM1
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4H7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes PRDM4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	88kDa
OMIM	605780
3D Structure	ModBase 3D Structure for Q9UKN5
Immunogen	PRDM4 (NP_036538, 476aa-575aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	IITTDENECNWMMFVRKARNREEQNLVAYPHDGKIFFCTSQDIPPENELLFYYSRDYAQQIGVPEHPDVHLCNCGKECNSYTEFKAHLTSHIHNHLPTQG
Conjugate	MaxLight490
Product Categories/Family for anti-PRDM4 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-PRDM4 antibody	Western Blot (WB)
Application Notes for anti-PRDM4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PRDM4 antibody	The protein encoded by this gene is a transcription factor of the PR-domain protein family. It contains a PR-domain and multiple zinc finger motifs. Transcription factors of the PR-domain family are known to be involved in cell differentiation and tumorigenesis. An elevated expression level of this gene has been observed in PC12 cells treated with nerve growth factor, beta polypeptide (NGF). This gene is located in a chromosomal region that is thought to contain tumor suppressor genes. [provided by RefSeq]

Other Notes	Small volumes of anti-PRDM4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRDM4 purchase	MBS6208047 is an antibody targeting PRDM4. Also known as PRDM4 (PR Domain Containing 4, MGC45046, PFM1) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRDM4. It may not necessarily be applicable to this product.

NCBI GI #	41349474
NCBI GeneID	11108
NCBI Accession #	NP_036538
UniProt Primary Accession #	Q9UKN5
UniProt Related Accession #	Q9UKN5
GenBank Nucleotide #	NM_012406
NCBI Official Full Name	PR domain zinc finger protein 4
NCBI Official Synonym Full Names	PR/SET domain 4
NCBI Official Symbol	PRDM4
NCBI Official Synonym Symbols	PFM1
UniProt Protein Name	PR domain zinc finger protein 4
UniProt Synonym Protein Names	PR domain-containing protein 4
Protein Family	PR domain zinc finger protein
UniProt Gene Name	PRDM4
UniProt Synonym Gene Names	PFM1
UniProt Entry Name	PRDM4_HUMAN
NCBI Protein Information	PR domain zinc finger protein 4
UniProt Comments for PRDM4	PRDM4: May function as a transcription factor involved in cell differentiation. Protein type: Methyltransferase, protein lysine, predicted; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 12q23-q24.1 Cellular Component: nucleus Molecular Function: methyltransferase activity; DNA binding; zinc ion binding Biological Process: transcription from RNA polymerase II promoter; methylation; cell proliferation; nerve growth factor receptor signaling pathway; regulation of transcription, DNA-dependent; signal transduction; negative regulation of cell cycle
Research Articles on PRDM4	**1.** Both Prdm 4 and Prdm 5 are expressed in human corneal endothelium, primary hCECs and in HCECs-12 cells, characterised by expression of the Na(+)/K(+)-ATPase.
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