PRDM1 Antibody

Catalog No: #48403

Package Size: #48403-1 50ul #48403-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

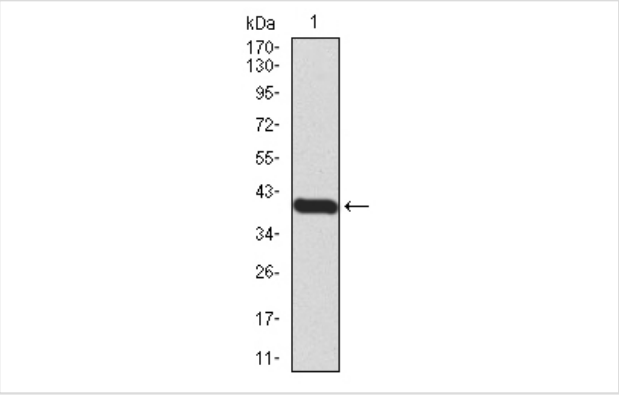
Description

Product Name	PRDM1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	B6-F1
Purification	ProA affinity purified
Applications	WB, ICC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	B Lymphocyte Induced Maturation Protein 1 antibody Beta interferon gene positive regulatory domain I binding factor antibody Beta-interferon gene positive regulatory domain I-binding factor antibody BLIMP-1 antibody BLIMP1 antibody Positive Regulatory Domain I Binding Factor 1 antibody Positive regulatory domain I-binding factor 1 antibody PR Domain Containing 1 antibody PR domain containing 1 with ZNF domain antibody PR domain containing 1 with ZNF domain isoform 2 antibody PR domain containing protein 1 antibody PR domain zinc finger protein 1 antibody PR domain-containing protein 1 antibody PRDI BF1 antibody PRDI binding factor 1 antibody PRDI-BF1 antibody PRDI-binding factor 1 antibody PRDM 1 antibody Prdm1 antibody PRDM1_HUMAN antibody
Accession No.	Swiss-Prot#:O75626
Uniprot	O75626
GeneID	639;
Calculated MW	92 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

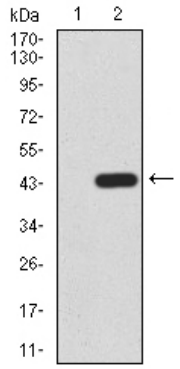
Application Details

WB: 1:500-1:2,000ICC: 1:200-1:1,000 FC: 1:100-1:200

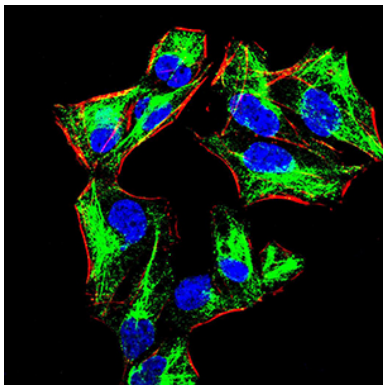
Images



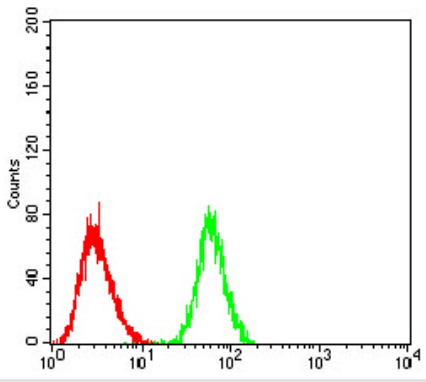
Western blot analysis of PRDM1 on human PRDM1 recombinant protein using anti-PRDM1 antibody at 1/1,000 dilution.



Western blot analysis of PRDM1 on HEK293 (1) and PRDM1-hIgGFc transfected HEK293 (2) cell lysate using anti-PRDM1 antibody at 1/1,000 dilution.



ICC staining PRDM1 (green) and Actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Raji cells with PRDM1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

The development and differentiation of plasma cells, which are terminally differentiated B-cells, are induced by Blimp-1 (B lymphocyte-induced maturation protein, also designated PRDI-BF1). Blimp-1 is a transcriptional repressor that localizes to the nucleus and is considered a master regulator of terminal B-cell development. Alone, Blimp-1 is sufficient to trigger terminal B-cell differentiation. Blimp-1 upregulates the expression of syndecan-1 and J chain, represses IFN-b gene transcription and associates with HDAC to recruit it to DNA, thereby repressing c-myc. Blimp-1 is expressed during the late stages of B-cell differentiation in immunoglobulin-secreting plasma cells, as well as in long-lived, bone marrow plasma cells. The expression of Blimp-1 defines a checkpoint beyond which fully activated B cells proceed to the plasma cell stage, whereas immature and partially activated cells are eliminated.

References

Note: This product is for in vitro research use only