

# Human/Mouse BLIMP1/PRDM1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3608

| DESCRIPTION        |  |  |  |
|--------------------|--|--|--|
| Species Reactivity | Human/Mouse  |  |  |
| Specificity        | Detects human and mouse BLIMP1/PRDM1 in direct ELISAs and Western blots.   |  |  |
| Source             | Polyclonal Goat IgG  |  |  |
| Purification       | Antigen Affinity-purified  |  |  |
| Immunogen          | E. coli-derived recombinant human BLIMP1/PRDM1 Leu687-Pro789 Accession # AAO45623  |  |  |
| Formulation        | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS. |  |  |

#### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

|              | Recommended<br>Concentration | Sample    |
|--------------|------------------------------|-----------|
| Western Blot | 1 μg/mL                      | See Below |

### Western Blot Detection of Human BLIMP1/PRDM1 by Western Blot. Western blot shows lysates of RPMI 8226 human multiple myeloma cell line. kDa PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse BLIMP1/PRDM1 Antigen Affinity-purified Polyclonal Antibody BLIMP1/PRDM1 (Catalog # AF3608) followed by HRPconjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for BLIMP1/PRDM1 at approximately 95 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1. 15 -

#### PREPARATION AND STORAGE Reconstitute at 0.2 mg/mL in sterile PBS Reconstitution Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. \*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

BLIMP-1 is a 97 kDa multidomain transcription repressor that has a SET domain in its N-terminal region and four C2H2-type zinc fingers in its C-terminal regions. It promotes terminal differentiation of B cells into plasma cells and also has an important role in primordial germ cell specification. An alternative splice variant that lacks 101 N-terminal amino acid (aa) residues of full-length BLIMP1 has been reported. Over the region used as immunogen, human and mouse BLIMP1 share 89% aa sequence identity

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