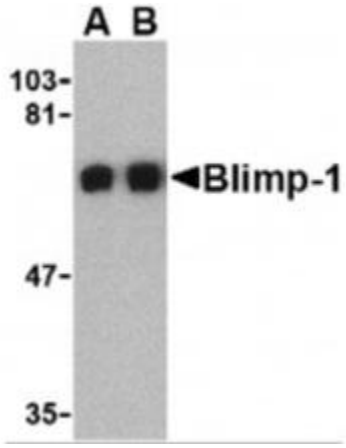
Blimp-1 Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253675
Unit: 0.1 mg

Description:
Blimp-1 (PRDM1) was initially identified as a zinc finger-containing protein that drives the maturation of B lymphocytes into immunoglobulin-secreting cells. Together with X-box-binding protein 1 (XBP1), Blimp-1 is induced upon terminal differentiation of plasma cells. The transcriptional repressor activity of Blimp-1 has also been found to regulate T cell homeostasis and function, possibly by suppressing the expression of the cytokines IL-2 and interferon-gamma during T cell development. More recent experiments have suggested that Blimp-1 also plays a major role in the formation of primordial germ cells (PGC) in developing mammalian embryos. In these experiments, Blimp-1-deficient mutant mouse embryos form a cluster of PGC-like cells which fail to show the expected migration, proliferation, and repression of homeobox genes that normally accompany specification of primordial germ cells.

Isotype: Rabbit Ig
Applications: E, IF, WB
Species Reactivity: H, M, R
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: PR domain zinc finger protein 1; BLIMP-1; Beta-interferon gene positive regulatory domain I-binding factor; PR domain-containing protein 1; Positive regulatory domain I-binding factor 1; PRDI-BF1; PRDI-binding factor 1; BLIMP1; PRDM1
Accession No.: NP_001189

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Blimp-1.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:00-1:500



The Blimp-1 Antibody (Cat. No. 253675) is used in Western blot to detect Blimp-1 in A549 cell lysate at (A) 0.5 and (B) 1 ug/ml.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.