

Product datasheet for **TA320447**

Prdm1 Rat Monoclonal Antibody [Clone ID: 6D3]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 6D3 |
| Applications: | IHC, WB |
| Recommended Dilution: | IHC, WB |
| Reactivity: | Mouse |
| Host: | Rat |
| Clonality: | Monoclonal |
| Formulation: | Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer |
| Concentration: | lot specific |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | PR domain containing 1, with ZNF domain |
| Database Link: | NP_031574 Entrez Gene 12142 Mouse Q60636 |

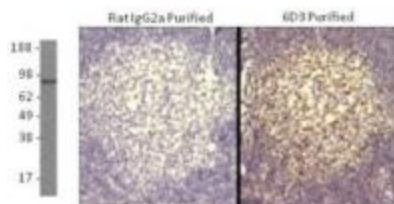
Background: This 6D3 monoclonal antibody reacts with B lymphocyte-induced maturation protein-1 (Blimp-1), a transcriptional repressor expressed in B and T cells. This approximately 90-kDa protein contains five consecutive Kruppel-like zinc finger domains by which it binds DNA. In B cells, Blimp-1 promotes terminal differentiation into antibody-secreting plasma cells during a primary immune response. In addition, Blimp-1 has been implicated in germinal center formation in response to T-dependent and T-independent antigens, as well as in some diffuse large B cell lymphomas. Expressed in CD4+ and CD8+ effector/memory T cells and FoxP3+ regulatory T cells, reports have suggested possible roles for Blimp-1 in T cell homeostasis and suppression of IL-2 production. Moreover, by suppressing Th1 differentiation, Blimp-1 plays a role in T helper cell differentiation. Finally, Blimp-1 has been demonstrated to play a significant role in the terminal differentiation of effector and effector memory CD8+ T cells during viral infection.



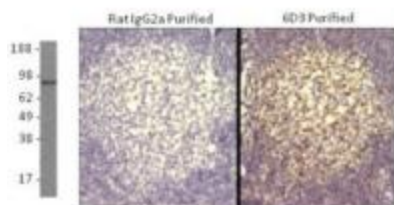
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Synonyms: BLIMP-1; BLIMP1; MGC118922; MGC118923; MGC118924; MGC118925; PRDI-BF1

Product images:



Immunoblotting of reduced cell lysates prepared from A20 cell line using 5 ug/mL of Anti-Human/Mouse Blimp1 Purified. Bands were visualized using Anti-Rat IgG HRP (Left).



Immunohistochemistry on formalin-fixed paraffin embedded human tonsil tissue with citrate buffer antigen retrieval, using 10 ug/ml of Anti-Human/Mouse Blimp1 Purified or 10 ug/ml of Rat IgG2a kappa Isotype Control Purified followed by Anti-Rat IgG Biotin, and DAB visualization (Center, right).