

## CD19 (PTR2046) mouse mAb

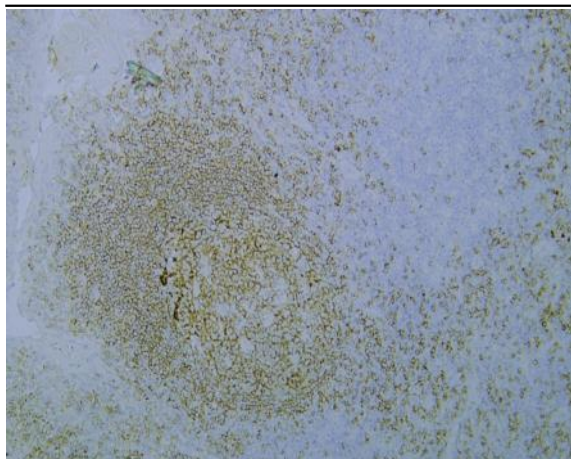
|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YM4248   |
| <b>Reactivity :</b>          | Human;   |
| <b>Applications :</b>        | IHC;WB;IF;ELISA  |
| <b>Target :</b>              | CD19   |
| <b>Gene Name :</b>           | CD19   |
| <b>Protein Name :</b>        | B-lymphocyte antigen CD19 (B-lymphocyte surface antigen B4) (Differentiation antigen CD19) (T-cell surface antigen Leu-12) (CD antigen CD19) |
| <b>Human Gene Id :</b>       | 930  |
| <b>Human Swiss Prot No :</b> | P15391   |
| <b>Mouse Gene Id :</b>       | 12478  |
| <b>Mouse Swiss Prot No :</b> | P25918   |
| <b>Immunogen :</b>           | Synthesized peptide derived from human CD19 AA range: 200-300  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of CD19 protein.   |
| <b>Formulation :</b>         | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA   |
| <b>Source :</b>              | Mouse, Monoclonal/IgG  |
| <b>Dilution :</b>            | IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000   |
| <b>Purification :</b>        | Protein G  |
| <b>Concentration :</b>       | 1 mg/ml  |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)   |

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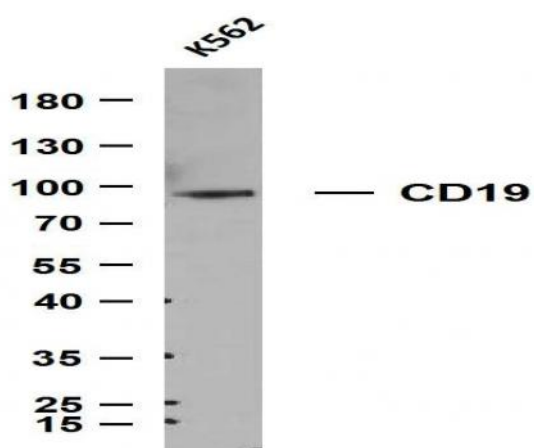
|                               |   |
|-------------------------------|---|
| <b>Molecularweight :</b>      | 61kD  |
| <b>Observed Band :</b>        | 95kD  |
| <b>Background :</b>           | CD19 molecule(CD19) Homo sapiens Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008],  |
| <b>Function :</b>             | Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens . Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores . Is not required for early steps during B cell differentiation in the blood marrow . Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges . Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge . |
| <b>Subcellular Location :</b> | Membranous  |
| <b>Expression :</b>           | Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:2463100, PubMed:16672701).  |
| <b>Tag :</b>                  | Hot   |
| <b>Sort :</b>                 | 15  |
| <b>No4 :</b>                  | 1   |
| <b>Host :</b>                 | Mouse   |
| <b>Modifications :</b>        | Unmodified  |

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## Products Images



Human tonsil tissue was stained with Anti-CD19 (PTR2046) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD19 (PTR2046) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: K562