

CD19 (PT0089R) PT® Rabbit mAb

Catalog No :	YM8051
Reactivity :	Human;
Applications :	WB;IHC;IF;IP;ELISA
Target :	CD19
Gene Name :	CD19
Protein Name :	B-lymphocyte antigen CD19 (B-lymphocyte surface antigen B4) (Differentiation antigen CD19) (T-cell surface antigen Leu-12) (CD antigen CD19)
Human Gene Id :	930
Human Swiss Prot No :	P15391
Mouse Gene Id :	12478
Mouse Swiss Prot No :	P25918
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1000,WB 1:1000-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	110kD
Observed Band :	110kD

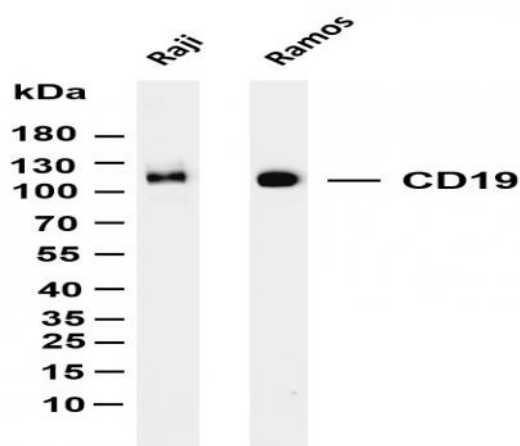
Background : CD19 molecule(CD19) Homo sapiens Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. 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],

Function : 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 .

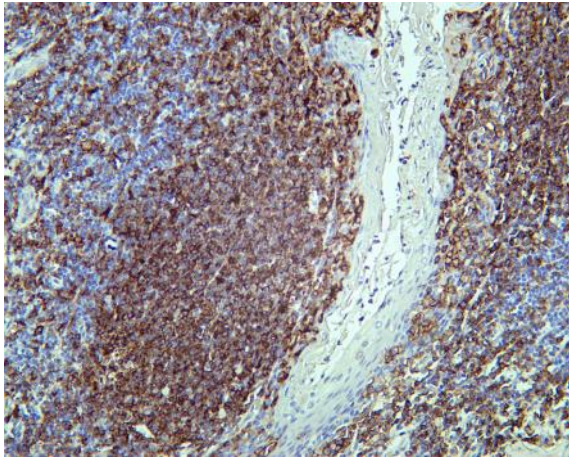
Subcellular Location : Membranous

Expression : 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).

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD19 (PT0089R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Raji Lane 2: Ramos Predicted band size: 110kDa Observed band size: 110kDa



Human tonsil tissue was stained with Anti-CD19 (PT0089R) rabbit Antibody