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Anti-CD19-Biotin-labled

Catalog # AP100544

Product Information

Application	FC, IF/IC
Primary Accession	P25918
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	60149

Additional Information

Gene ID	12478
Other Names	B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; Differentiation antigen CD19; T-cell surface antigen Leu-12; CD19
Target/Specificity	Recognizes mouse CD19
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2a kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Cd19
Function	Functions as a 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 (By similarity). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:12387743, PubMed:20101619, PubMed:9382888). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:7542548, PubMed:7543183, PubMed:9317126). Required for normal differentiation of B-1 cells (PubMed:12387743, PubMed:7542548, PubMed:7543183). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:12387743, PubMed:7542548, PubMed:9317126). Required for normal levels of serum immunoglobulins, and for production of high- affinity antibodies in response to antigen challenge (PubMed:12387743, PubMed:7542548, PubMed:7543183).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Membrane raft; Single-pass type I membrane protein

Tissue Location	Detected on B cells in spleen, bone marrow, thymus and lymph nodes (PubMed:12387743, PubMed:20101619, PubMed:7542548) Detected on peripheral blood lymphocytes (at protein level) (PubMed:7543183).

Background

Biotin-labled rat monoclonal antibody to CD19

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.