

CD19

Rabbit Monoclonal antibody(Mab)

Catalog # AD80005

Product Information

Application	IHC-P
Primary Accession	P15391
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	391B5F3
Calculated MW	61128

Additional Information

Gene ID	930
Gene Name	CD19
Other Names	B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19, CD19
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	CD19 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

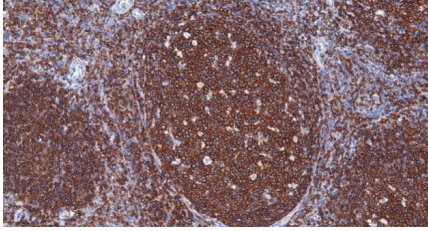
Name	CD19
Function	Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed: 29523808). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed: 1373518 , PubMed: 16672701 , PubMed: 2463100). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed: 12387743 , PubMed: 16672701 , PubMed: 9317126 , PubMed: 9382888). Is not required for early steps during B cell differentiation in the blood marrow (PubMed: 9317126). Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed: 1373518 , PubMed: 2463100). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed: 12387743 , PubMed: 16672701 , PubMed: 9317126).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Membrane raft {ECO:0000250 UniProtKB:P25918}; Single-pass type I membrane protein

Tissue Location

{ECO:0000250|UniProtKB:P25918}

Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

Images



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