

CD19

Rabbit Monoclonal antibody(Mab)

Catalog # AD80005

Product Information

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

Additional Information

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| 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

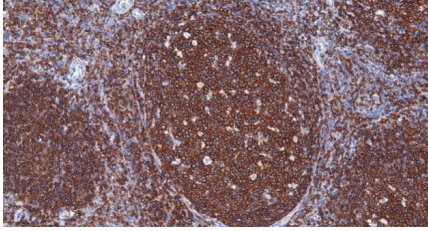
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| Name | CD19 |
| Function | Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed: 29523808). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to 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'.