

Anti-CD19 Antibody (C-Terminus)

Goat Anti Human Polyclonal Antibody

Catalog # ALS18239

Product Information

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|------------------------------|--------------------------------|
| Application | WB, IHC-P |
| Primary Accession | P15391 |
| Predicted | Human, Mouse, Rat, Monkey, Dog |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | 61128 |
| Concentration (mg/ml) | 3 mg/ml |

Additional Information

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|-------------------------------------|--|
| Gene ID | 930 |
| Alias Symbol | CD19 |
| Other Names | CD19, B-lymphocyte antigen CD19, CD19 molecule, Differentiation antigen CD19, T-cell surface antigen Leu-12, B4, CD19 antigen, CVID3 |
| Target/Specificity | Using spleen and Jurkat cell lysates detects a 95 kDa band by Western blot. |
| Reconstitution & Storage | Immunoaffinity purified |
| Precautions | Anti-CD19 Antibody (C-Terminus) 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 {ECO:0000250|UniProtKB:P25918}

Tissue Location

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)

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