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Anti-CD19 Antibody (C-Terminus)

Goat Anti Human Polyclonal Antibody

Catalog # ALS18239

Specification

Anti-CD19 Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P**
Primary Accession	P15391
Predicted	**Human, Mouse, Rat, Monkey, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**61128**

Anti-CD19 Antibody (C-Terminus) - Additional Information

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.

Anti-CD19 Antibody (C-Terminus) - 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 (PubMed:2463100, PubMed:1373518, PubMed:16672701). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:9382888, PubMed:9317126, PubMed:12387743, PubMed:<a

href="http://www.uniprot.org/citations/16672701" target="_blank">16672701). 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:2463100, PubMed:1373518). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:9317126, PubMed:12387743, PubMed:16672701).

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:2463100, PubMed:16672701)

Anti-CD19 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD19 Antibody (C-Terminus) - Images