

Product Name: CD19 (16P1) Rabbit Monoclonal Antibody
Catalog #: AMRe08254

Summary

Production Name	CD19 (16P1) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	CD19
Alternative Names	B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4;
Gene ID	930.0
SwissProt ID	P15391.

Application

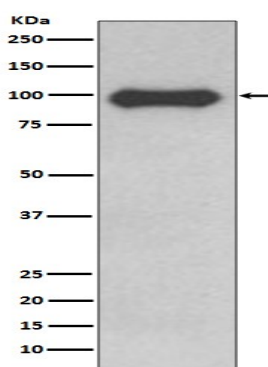
Dilution Ratio	WB 1:500-1:2000
Molecular Weight	61kDa

Background

CD19 is a transmembrane glycoprotein that contains two extracellular immunoglobulin-like domains. Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. Functions as 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](http://www.uniprot.org/citations/2463100), PubMed:[1373518](http://www.uniprot.org/citations/1373518), PubMed:[16672701](http://www.uniprot.org/citations/16672701)). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca^{2+} stores (PubMed:[9382888](http://www.uniprot.org/citations/9382888), PubMed:[9317126](http://www.uniprot.org/citations/9317126), PubMed:[12387743](http://www.uniprot.org/citations/12387743), PubMed:[16672701](http://www.uniprot.org/citations/16672701)). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:[9317126](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/2463100), PubMed:[1373518](http://www.uniprot.org/citations/1373518)). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:[9317126](http://www.uniprot.org/citations/9317126), PubMed:[12387743](http://www.uniprot.org/citations/12387743), PubMed:[16672701](http://www.uniprot.org/citations/16672701)).

Research Area

Image Data



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Western blot analysis of CD19 expression in Ramos cell lysate.

Note

For research use only.