

**CD19 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5355**

**Specification**

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**CD19 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P15391</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=61 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**CD19 Antibody (C-term) - Additional Information**

**Gene ID** 930

**Antigen Region**  
517-551

**Other Names**

B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19, CD19

**Dilution**

WB~~1:1000

**Target/Specificity**

This CD19 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 517-551 amino acids from the C-terminal region of human CD19.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD19 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD19 Antibody (C-term) - Protein Information**

**Name** CD19

## Function

Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed:<a href="http://www.uniprot.org/citations/29523808" target="\_blank">29523808</a>). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed:<a href="http://www.uniprot.org/citations/1373518" target="\_blank">1373518</a>, PubMed:<a href="http://www.uniprot.org/citations/16672701" target="\_blank">16672701</a>, PubMed:<a href="http://www.uniprot.org/citations/2463100" target="\_blank">2463100</a>). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:<a href="http://www.uniprot.org/citations/12387743" target="\_blank">12387743</a>, PubMed:<a href="http://www.uniprot.org/citations/16672701" target="\_blank">16672701</a>, PubMed:<a href="http://www.uniprot.org/citations/9317126" target="\_blank">9317126</a>, PubMed:<a href="http://www.uniprot.org/citations/9382888" target="\_blank">9382888</a>). Is not required for early steps during B cell differentiation in the blood marrow (PubMed:<a href="http://www.uniprot.org/citations/9317126" target="\_blank">9317126</a>). Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:<a href="http://www.uniprot.org/citations/1373518" target="\_blank">1373518</a>, PubMed:<a href="http://www.uniprot.org/citations/2463100" target="\_blank">2463100</a>). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:<a href="http://www.uniprot.org/citations/12387743" target="\_blank">12387743</a>, PubMed:<a href="http://www.uniprot.org/citations/16672701" target="\_blank">16672701</a>, PubMed:<a href="http://www.uniprot.org/citations/9317126" target="\_blank">9317126</a>).

## 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

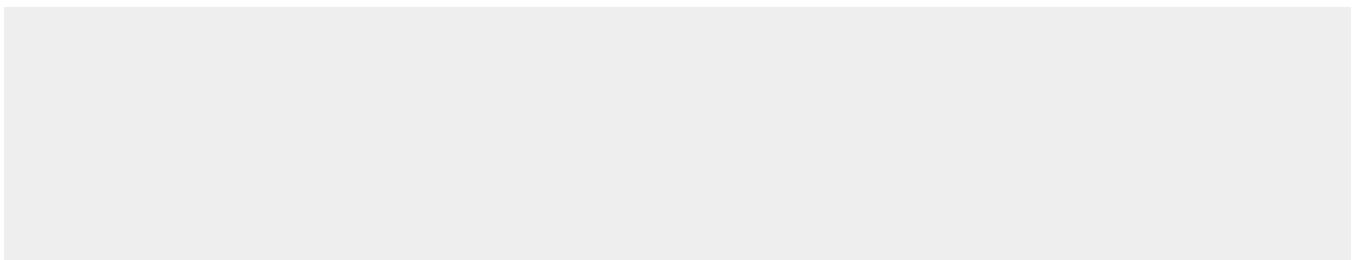
Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100).  
Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

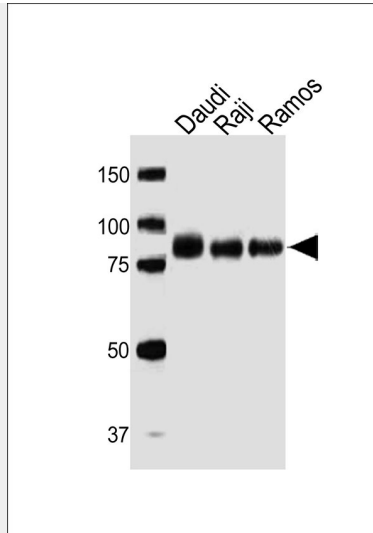
## CD19 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CD19 Antibody (C-term) - Images





All lanes : Anti-CD19 Antibody (C-term)(AW5355) at 1/1000 dilution Lane 1: Daudi whole cell lysates Lane 2: Raji whole cell lysates Lane 3: Ramos whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 95 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **CD19 Antibody (C-term) - Background**

Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

#### **CD19 Antibody (C-term) - References**

- Stamenkovic I., et al. *J. Exp. Med.* 168:1205-1210(1988).
- Tedder T.F., et al. *J. Immunol.* 143:712-717(1989).
- Kozmik Z., et al. *Mol. Cell. Biol.* 12:2662-2672(1992).
- Zhou L.J., et al. *Immunogenetics* 35:102-111(1992).
- Kuroki K., et al. *Genes Immun.* 3:S21-S30(2002).