

For Research Use Only

# CD19 Recombinant antibody, PBS Only

Catalog Number: 86116-1-PBS



## Basic Information

<b>Catalog Number:</b> 86116-1-PBS	<b>GenBank Accession Number:</b> BC006338	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 930	<b>CloneNo.:</b> 250499C1
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000177455	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P15391	
<b>Immunogen Catalog Number:</b> EG3335	<b>Full Name:</b> CD19 molecule	
	<b>Calculated MW:</b> 556 aa, 61 kDa	
	<b>Observed MW:</b> 95 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

## Storage

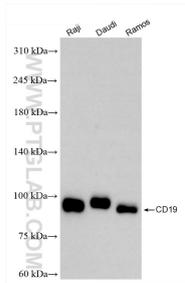
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 89985-2-RR (CD19 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86116-1-PBS in a different storage buffer formulation.