

# CD19 Polyclonal antibody

Catalog Number: 31263-1-AP

## Basic Information

<b>Catalog Number:</b> 31263-1-AP	<b>GenBank Accession Number:</b> NM_009844.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 550 ug/ml	<b>GeneID (NCBI):</b> 12478	<b>Recommended Dilutions:</b> IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P25918	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD19 antigen	
<b>Immunogen Catalog Number:</b> EG0907	<b>Calculated MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse spleen tissue, rat spleen tissue
<b>Species Specificity:</b> mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

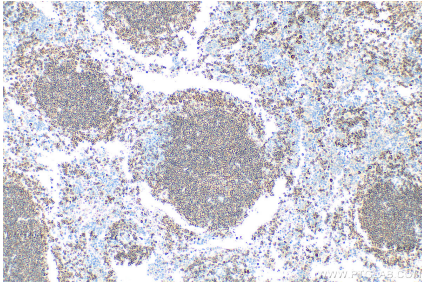
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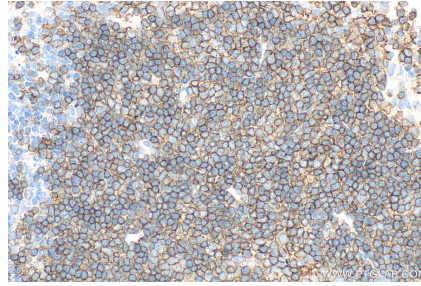
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31263-1-AP (CD19 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31263-1-AP (CD19 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).