

For Research Use Only

# CD19 Recombinant antibody

Catalog Number: 84848-5-RR



## Basic Information

Catalog Number:	84848-5-RR	GenBank Accession Number:	NM_009844.2	Purification Method:	Protein A purification
Concentration:	1000 ug/ml	GenelD (NCBI):	12478	CloneNo.:	242301B9
Source:	Rabbit	UNIPROT ID:	P25918	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:500-1:2000
Isotype:	IgG	Full Name:	CD19 antigen		
Immunogen Catalog Number:	EG3194	Calculated MW:	60 kDa		
		Observed MW:	80-120 kDa		

## Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	mouse	WB:	mouse splenocytes,

**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**

For technical support and original validation data for this product please contact:

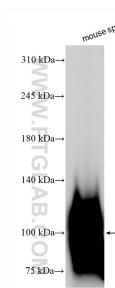
T: 4006900926

E: Proteintech-CN@ptglab.com

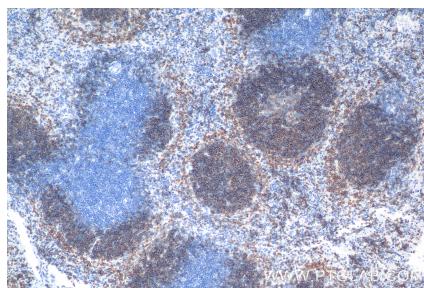
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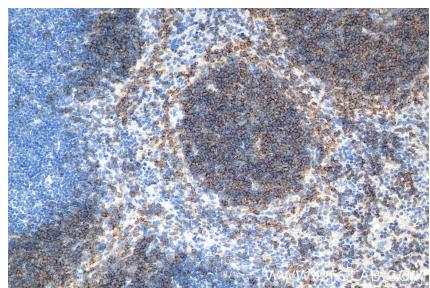
## Selected Validation Data



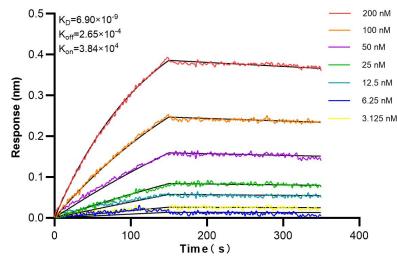
mouse splenocytes were subjected to SDS PAGE followed by western blot with 84848-5-RR (CD19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84848-5-RR (CD19 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84848-5-RR (CD19 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84848-5-RR against Mouse CD19 were performed. The affinity constant is 6.90 nM.