

For Research Use Only

CD19 Recombinant antibody

Catalog Number: 84848-5-RR



Basic Information

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

Applications

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

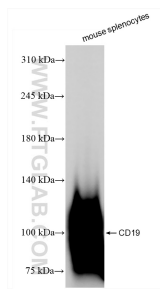
T: 4006900926

E: Proteintech-CN@ptglab.com

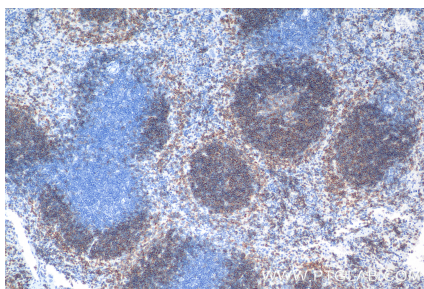
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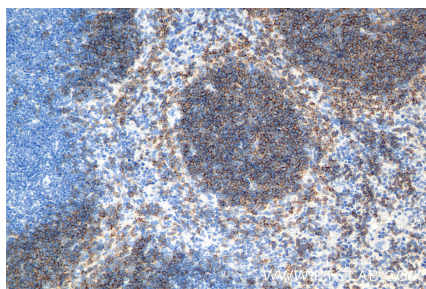
Selected Validation Data



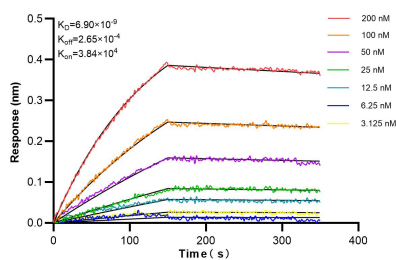
mouse splenocytes were subjected to SDS PAGE followed by western blot with 84848-5-RR (CD19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.