

For Research Use Only

Mouse CD19 Recombinant antibody, PBS Only

Catalog Number: 84848-5-PBS



Basic Information

Catalog Number:	84848-5-PBS	GenBank Accession Number:	NM_009844.2	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	12478	CloneNo.:	242301B9
Source:	Rabbit	UNIPROT ID:	P25918	Full Name:	CD19 antigen
Isotype:	IgG	Calculated MW:	60 kDa	Observed MW:	80-120 kDa
Immunogen Catalog Number:	EG3194				

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse

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.

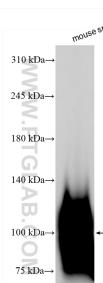
Storage Buffer:

PBS only, pH7.3

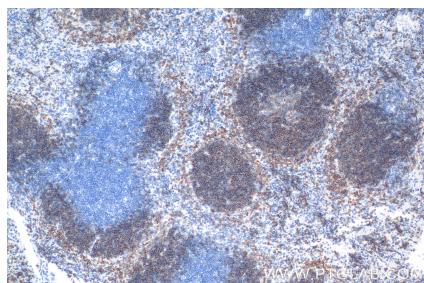
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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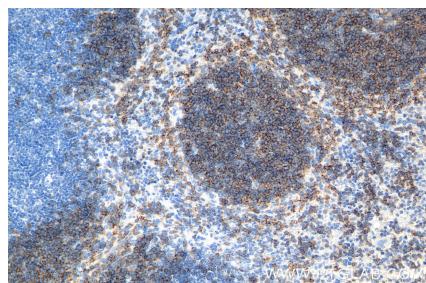
Selected Validation Data



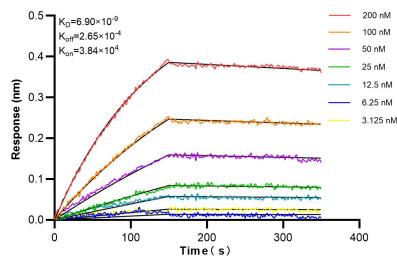
mouse splenocytes were subjected to SDS PAGE followed by western blot with 84848-5-RR (CD19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84848-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84848-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84848-5-PBS in a different storage buffer formulation.



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