

For Research Use Only

# CD79a Polyclonal antibody

Catalog Number: 31887-1-AP



## Basic Information

<b>Catalog Number:</b> 31887-1-AP	<b>GenBank Accession Number:</b> NM_007655.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12518	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11911	IHC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> CD79A antigen (immunoglobulin-associated alpha)	IF-P 1:50-1:500
<b>Immunogen Catalog Number:</b> EG1388	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse, rat	WB : mouse spleen tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC : mouse spleen tissue, rat spleen tissue
	IF-P : rat spleen tissue,

## Background Information

CD79a, also named as B-cell antigen receptor complex-associated protein alpha chain or MB-1 membrane glycoprotein, is a 226 amino acid protein, which contains one ITAM domain and one Ig-like C2-type (immunoglobulin-like) domain. CD79A is expressed in B cell and localizes in the cell membrane. CD79A is required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. CD79A is also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells.

## Storage

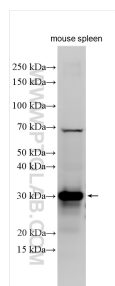
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

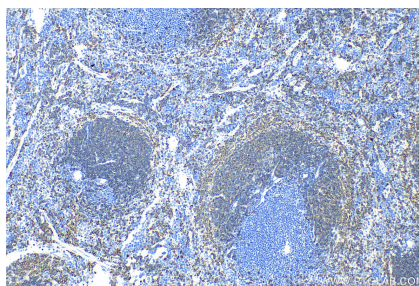
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

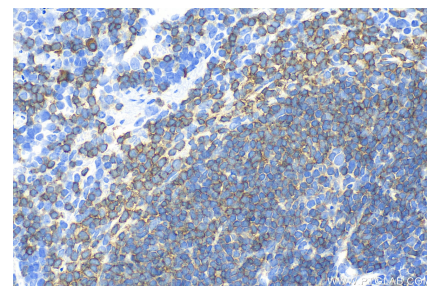
## Selected Validation Data



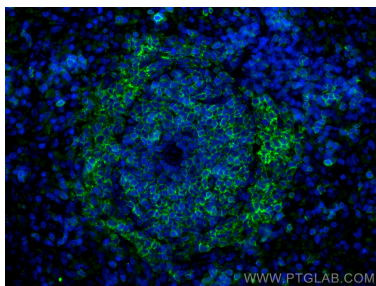
Mouse spleen tissue was subjected to SDS PAGE followed by western blot with 31887-1-AP (CD79A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31887-1-AP (CD79A 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 31887-1-AP (CD79A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat spleen tissue using CD79a antibody (31887-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).