

For Research Use Only

# CD79a Recombinant antibody, PBS Only

Catalog Number: 82747-2-PBS



## Basic Information

Catalog Number: 82747-2-PBS	GenBank Accession Number: BC113733	Purification Method: Protein A purification
Concentration: 1mg/ml	GeneID (NCBI): 973	CloneNo.: 1117
Source: Rabbit	UNIPROT ID: P11912	
Isotype: IgG	Full Name: CD79a molecule, immunoglobulin-associated alpha	
Immunogen Catalog Number: AG17924	Calculated MW: 226 aa, 25 kDa	

## Applications

Tested Applications:  
IF/ICC, IF-P, Indirect ELISA

Species Specificity:  
human

## 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 cells 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only, pH7.3

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

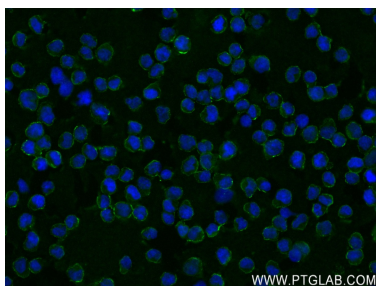
T: 4006900926

E: Proteintech-CN@ptglab.com

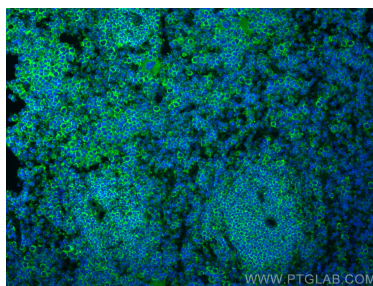
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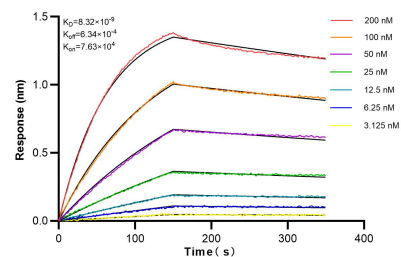
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD79A antibody (82747-2-RR, Clone: 1117) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82747-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD79a antibody (82747-2-RR, Clone: 1117) 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). This data was developed using the same antibody clone with 82747-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82747-2-RR against Human CD79A were performed. The affinity constant is 8.32 nM.