

For Research Use Only

# CD79a Recombinant antibody

Catalog Number:82747-2-RR



## Basic Information

<b>Catalog Number:</b> 82747-2-RR	<b>GenBank Accession Number:</b> BC113733	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 973	<b>CloneNo.:</b> 1117
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11912	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> CD79a molecule, immunoglobulin-associated alpha	
<b>Immunogen Catalog Number:</b> AG17924	<b>Calculated MW:</b> 226 aa, 25 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : Raji cells,
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

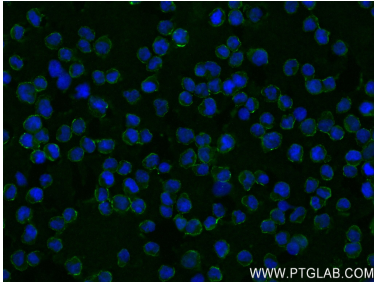
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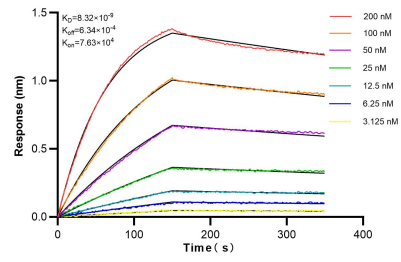
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## Selected Validation Data



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).



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