

For Research Use Only

# CD79a Recombinant antibody, PBS Only

Catalog Number: 82747-2-PBS



## Basic Information

**Catalog Number:**

82747-2-PBS

**Size:**

100ug , Concentration: 1mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG17924

**GenBank Accession Number:**

BC113733

**GeneID (NCBI):**

973

**UNIPROT ID:**

P11912

**Full Name:**

CD79a molecule, immunoglobulin-associated alpha

**Calculated MW:**

226 aa, 25 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1I17

## 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.

**Storage Buffer:**

PBS only, pH7.3

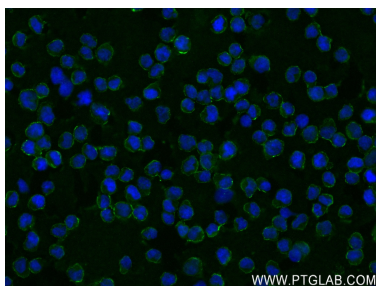
For technical support and original validation data for this product please contact:

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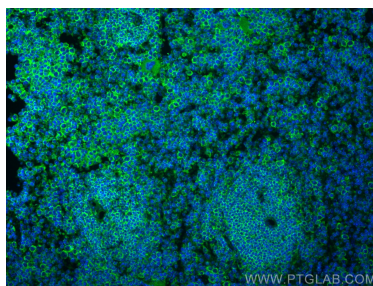
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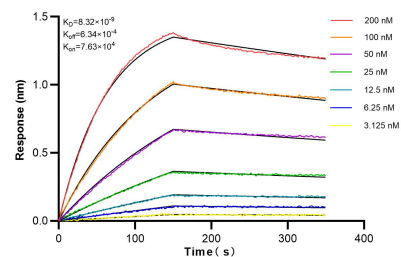
## Selected Validation Data



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). 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.