

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD79a Rabbit Recombinant Antibody

Catalog Number: CL647-98129



## Basic Information

Catalog Number:

CL647-98129

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1388

GenBank Accession Number:

NM\_007655.3

GeneID (NCBI):

12518

UNIPROT ID:

P11911

Full Name:

CD79A antigen (immunoglobulin-associated alpha)

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

241231F7

Recommended Dilutions:

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra) : mouse splenocytes,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

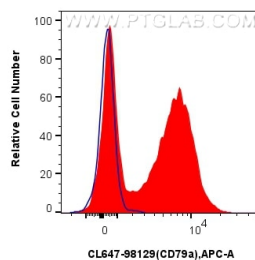
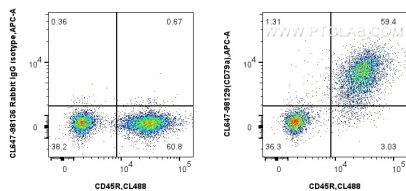
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

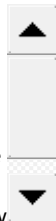
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD79a Rabbit RecAb (CL647-98129, Clone: 241231F7) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were co-stained with CoraLite® Plus 488 Anti-Mouse CD45R (B220) (RA3-6B2) (CL488-65139, Clone: RA3-6B2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry



1x10<sup>6</sup> mouse splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD79a Rabbit RecAb (CL647-98129, Clone: 241231F7) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).