

For Research Use Only

Anti-Mouse CD79a Rabbit Recombinant Antibody

Catalog Number: 98129-1-RR



Basic Information

Catalog Number:

98129-1-RR

Concentration:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

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 10⁶ cells in 100 μ l suspension

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. 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:

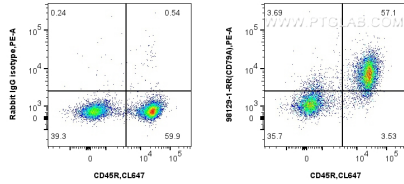
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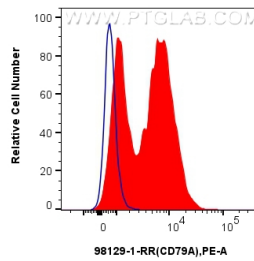
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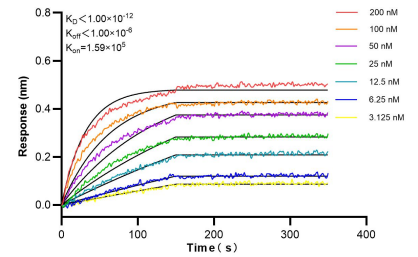
Selected Validation Data



1x10⁶ mouse splenocytes were intracellularly stained with 0.25 ug Anti-Mouse CD79a Rabbit Recombinant Antibody (98129-1-RR, Clone: 241231F7) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD45R (B220) (RA3-6B2) (CL647-65139, Clone: RA3-6B2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ mouse splenocytes were intracellularly stained with 0.25 ug Anti-Mouse CD79a Rabbit Recombinant Antibody (98129-1-RR, Clone: 241231F7) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98129-1-RR against Mouse CD79a were performed. The affinity constant is below 1 pM.