

For Research Use Only

# Anti-Human CD79a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98072-1-PBS



## Basic Information

Catalog Number:

98072-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

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.:

241299F3

## Applications

Tested Applications:

FC (Intra), Cytometric bead array, 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

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

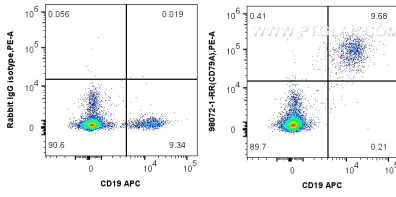
T: 4006900926

E: Proteintech-CN@ptglab.com

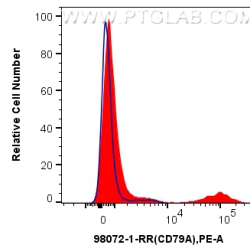
W: ptgcn.com

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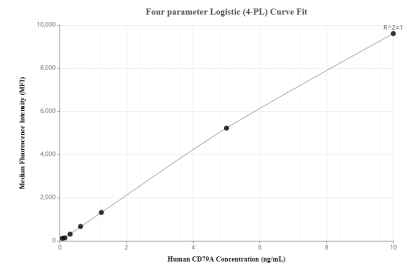
## Selected Validation Data



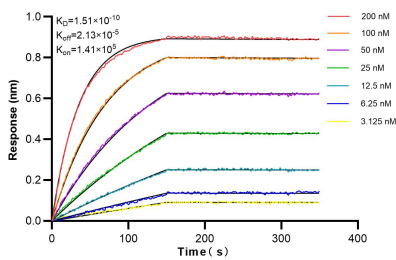
1x10<sup>6</sup> human PBMCs were stained with CoraLite® Plus 647 Anti-Human CD19 (HIB19) (CL647-65110, Clone: HIB19) and 0.25 ug Anti-Human CD79a Rabbit Recombinant Antibody (98072-1-RR, Clone:241299F3), or Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98072-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were stained with 0.25 ug Anti-Human CD79a Rabbit Recombinant Antibody (98072-1-RR, Clone:241299F3)(red), or Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98072-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP0111-3, CD79A Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 98072-1-PBS. Detection antibody: 84236-2-PBS. Standard: RP02315. Range: 0.078-10 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 98072-1-RR against Human CD79a were performed. The affinity constant is 0.151 nM.