

For Research Use Only

# Anti-Human CD79a (HM57) Mouse IgG2a Recombinant Antibody

Catalog Number: 65610-1-MR



## Basic Information

Catalog Number:

65610-1-MR

Size:

100ug, 1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC113731

GeneID (NCBI):

973

Full Name:

CD79a molecule, immunoglobulin-associated alpha

Purification Method:

Protein A purification

CloneNo.:

HM57

## Applications

Tested Applications:

FC (Intra)

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 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.

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

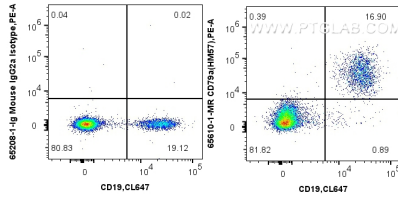
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

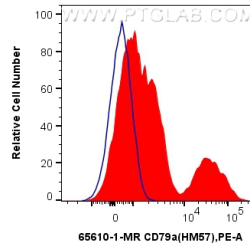
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were intracellularly stained with 0.25 ug Anti-Human CD79a (HM57) Mouse IgG2a RecAb (65610-1-MR, Clone:HM57) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) and PE-conjugated Goat Anti-Mouse IgG2a. Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were intracellularly stained with 0.25 ug Anti-Human CD79a (HM57) Mouse IgG2a RecAb (65610-1-MR, Clone:HM57)(red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4)(blue) and PE-conjugated Goat Anti-Mouse IgG2a. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Lymphocytes were gated.