

For Research Use Only

Anti-Human CD79a (HM57) Mouse IgG2a Recombinant Antibody



Catalog Number: 65610-1-MR

Basic Information

Catalog Number: 65610-1-MR	GenBank Accession Number: BC113731	Purification Method: Protein A purification
Size: 100ug, 1 mg/ml	GeneID (NCBI): 973	CloneNo.: HM57
Source: Mouse	Full Name: CD79a molecule, immunoglobulin-associated alpha	
Isotype: IgG2a		

Applications

Tested Applications:
FC

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:

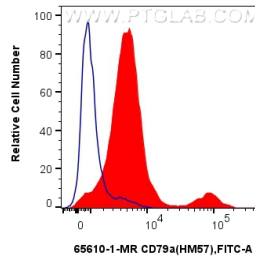
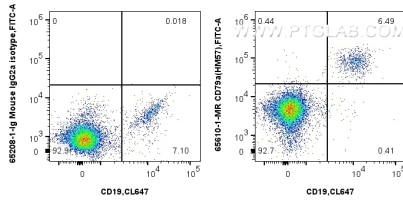
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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human CD79a Mouse IgG2a Recombinant Antibody (65610-1-MR, Clone: HM57) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). 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.



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human CD79a Mouse IgG2a Recombinant Antibody (65610-1-MR, Clone: HM57) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue), and CoraLite® 488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Lymphocytes were gated.