

For Research Use Only

CoraLite® Plus 647 Anti-Human CD79a (HM57) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL647-65610**



Basic Information

Catalog Number: CL647-65610	GenBank Accession Number: BC113731	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 973	CloneNo.: HM57
Source: Mouse	UNIPROT ID: P11912	Recommended Dilutions: FC (Intra): 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG2a	Full Name: CD79a molecule, immunoglobulin-associated alpha	Excitation/Emission maxima wavelengths: 654 nm / 674 nm

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : human PBMCs,
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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

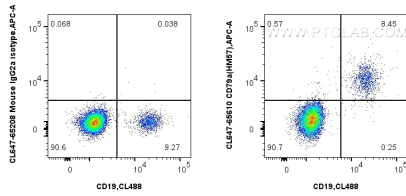
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E: Proteintech-CN@ptglab.com

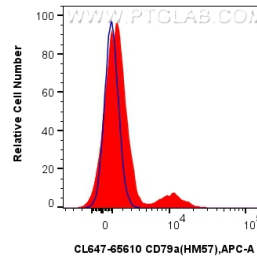
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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CD79a (HM57) Mouse IgG2a RecAb (CL647-65610, Clone: HM57) or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4). Cells were co-stained with CoraLite® Plus 488 Anti-Human CD19. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CD79a (HM57) Mouse IgG2a RecAb (CL647-65610, Clone: HM57) (red) or CoraLite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).