

For Research Use Only

Anti-Human CD79a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98072-1-PBS



Basic Information

Catalog Number: 98072-1-PBS	GenBank Accession Number: BC113733	Purification Method: Protein A purification
Size: 1mg, 2mg/ml	GeneID (NCBI): 973	CloneNo.: 241299F3
Source: Rabbit	UNIPROT ID: P11912	
Isotype: IgG	Full Name: CD79a molecule, immunoglobulin-associated alpha	
	Calculated MW: 226 aa, 25 kDa	

Applications

Tested Applications:
FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

98072-1-PBS targets CD79a as part of a matched antibody pair:

MP01111-3: 98072-1-PBS capture and 84236-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.
Storage Buffer:
PBS Only

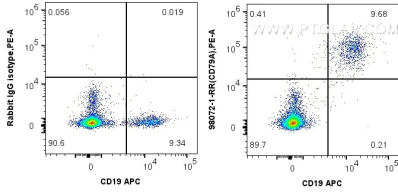
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

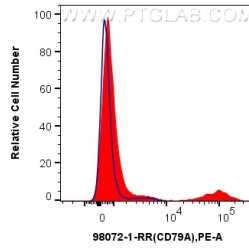
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

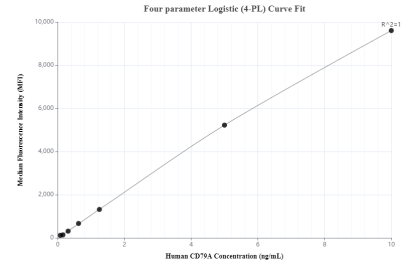
Selected Validation Data



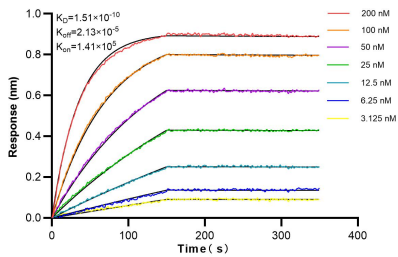
1x10⁶ human PBMCs were stained with CoraLite® Plus 647 Anti-Human CD19 (HIB19) (CL647-65110, Clone: HIB19) and 0.25 ug Anti-Human CD79a Rabbit Recombinant Antibody (98072-1-RR, Clone:241299F3), or Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98072-1-PBS in a different storage buffer formulation.



1x10⁶ 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 MP01111-3, 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.