

For Research Use Only

# Anti-Mouse CD79b Rabbit Recombinant Antibody, PBS Only (Detector)

Catalog Number: 98217-1-PBS



## Basic Information

Catalog Number:

98217-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_008339.3

GeneID (NCBI):

15985

UNIPROT ID:

P15530

Full Name:

CD79B antigen

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

241850D10

## Applications

Tested Applications:

FC, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

mouse

## Product Information

98217-1-PBS targets CD79b as part of a matched antibody pair:

MP01375-3: 84523-3-PBS capture and 98217-1-PBS detection (validated in Sandwich ELISA)

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

CD79 molecule encompasses two transmembrane proteins, CD79a and CD79b, which form a disulfide-linked heterodimer and are members of the immunoglobulin (Ig) gene superfamily (PMID: 2033258; 1375264; 2304550). CD79b molecule (also known as B29, IGB, AGM6, and Igbeta) is expressed almost exclusively on B cells and B-cell neoplasms, influencing antigen internalization and increasing antigen presentation efficiency (PMID: 7552998). CD79b mutation could be a key biomarker for DLBCL disease progression (PMID: 36182550).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

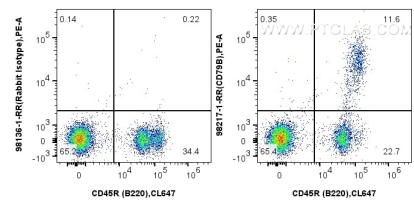
For technical support and original validation data for this product please contact:

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

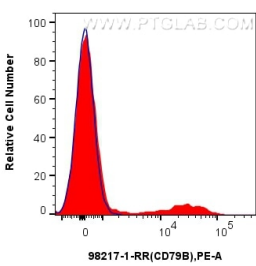
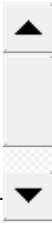
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

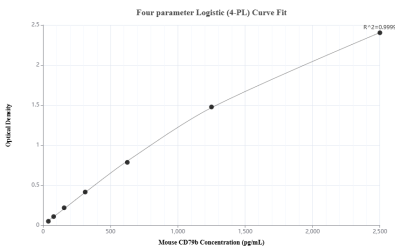
Selected Validation Data



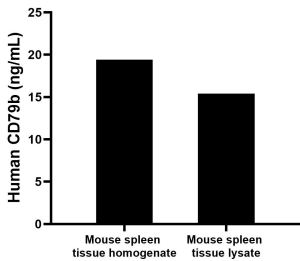
1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD79b Rabbit Recombinant Antibody (98217-1-RR, Clone: 241850D10) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD45R (B220) (RA3-6B2) (CL647-65139, Clone: RA3-6B2). Cells were not fixed. This data was developed using the same



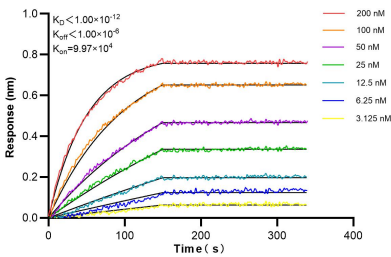
1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD79b Rabbit Recombinant Antibody (98217-1-RR, Clone: 241850D10)(red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98217-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01375-3, Mouse CD79b Recombinant Matched Antibody Pair - PBS only. 84523-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2113. 98217-1-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



The mean CD79b concentration was determined to be 19.40 ng/mL in mouse spleen tissue homogenate based on a 2.3 mg/mL homogenate load and 15.40 ng/mL in mouse spleen tissue extract based on a 2.9 mg/mL extract load.



Biolayer interferometry (BLI) kinetic assays of 98217-1-RR against Mouse CD79b were performed. The affinity constant is below 1 pM.