

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

Concentration:

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

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

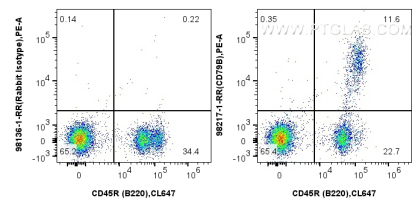
T: 4006900926

E: Proteintech-CN@ptglab.com

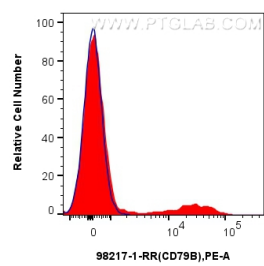
W: ptgcn.com

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

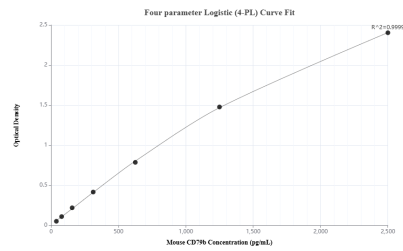
Selected Validation Data



1x10⁶ 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 antibody clone



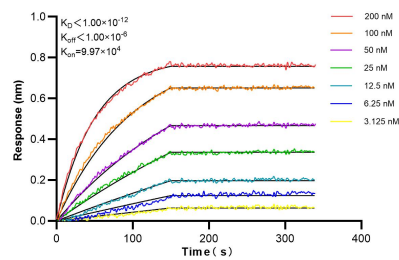
1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD79b Rabbit Recombinant Antibody (98217-1-RR, Clone: 241850D10)(red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. 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.