

For Research Use Only

# CD79b Recombinant antibody

Catalog Number: 84234-5-RR



## Basic Information

**Catalog Number:**

84234-5-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC032651

**GeneID (NCBI):**

974

**UNIPROT ID:**

P40259

**Full Name:**

CD79b molecule, immunoglobulin-associated beta

**Calculated MW:**

229 aa, 26 kDa

**Observed MW:**

32-36 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241273B7

**Recommended Dilutions:**

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : Raji cells, Ramos cells, Daudi cells

IF/ICC : Raji cells,

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

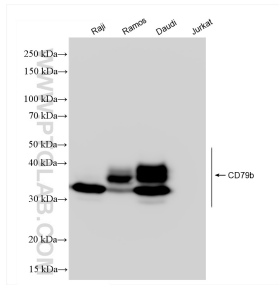
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

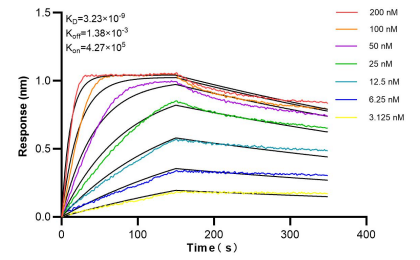
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84234-5-RR (CD79b antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD79b antibody (84234-5-RR, Clone: 241273B7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84234-5-RR against Human CD79b were performed. The affinity constant is 3.23 nM.