

# CD79b Rabbit mAb

Catalog No.: A25358 **Recombinant**

## Basic Information

### Observed MW

30-50kDa

### Calculated MW

25kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IF-P,FC,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC66113

## Background

The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-beta protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:4000
<b>IF/ICC</b>	1:200 - 1:2000
<b>IF-P</b>	1:200 - 1:2000
<b>FC</b>	1:500 - 1:1000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Immunogen Information

### Gene ID

15985

### Swiss Prot

P15530

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

B29; Igb; Igbeta; Ig-beta

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

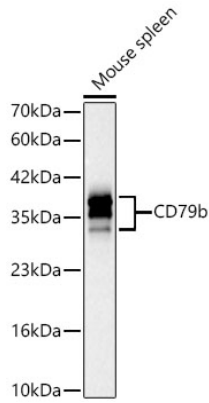
Affinity purification

### Storage

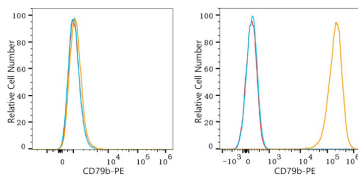
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

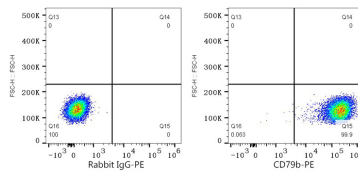
## Validation Data



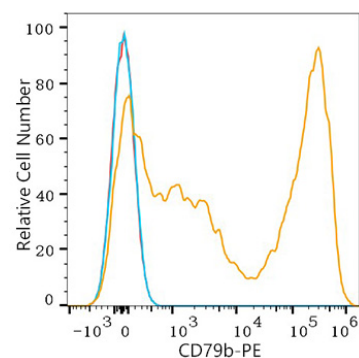
Western blot analysis of lysates from Mouse spleen using CD79b Rabbit mAb (A25358) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



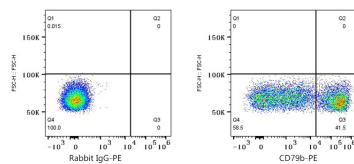
Flow cytometry:  $1 \times 10^6$  C2C12 cells (negative control, left) and A20 (right) cells were surface-stained with Mouse CD79b mAb (A25358, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µl/Test, blue line), followed by PE conjugated Donkey anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



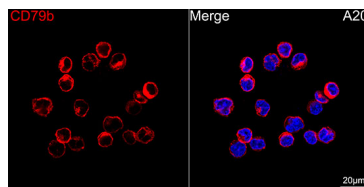
Flow cytometry:  $1 \times 10^6$  A20 cells were surface-stained with PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or Mouse CD79b mAb (A25358, 2 µg/mL, right).



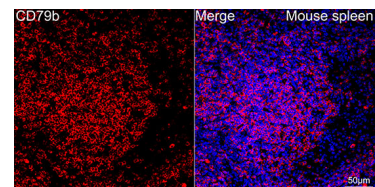
Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse Splenocytes were surface-stained with Mouse CD79b mAb (A25358, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µl/Test, blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse Splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or Mouse CD79b mAb (A25358, 2 µg/mL, right).



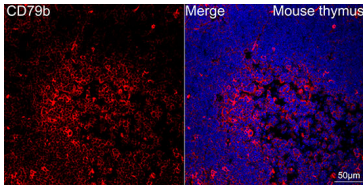
Confocal imaging of A20 cells using CD79b Rabbit mAb (A25358, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Mouse spleen using CD79b Rabbit mAb (A25358, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

## Validation Data

---



Confocal imaging of paraffin-embedded Mouse thymus using CD79b Rabbit mAb (A25358, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.