

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

Conjugate

Unmodified

Recommended Dilutions

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

Contact

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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.

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

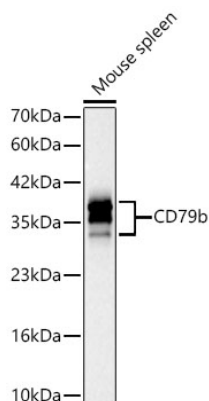
Affinity purification

Storage

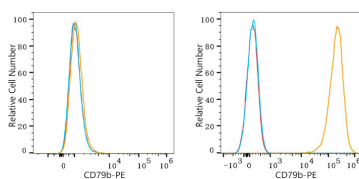
Store at -20°C. Avoid freeze / thaw cycles.

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.

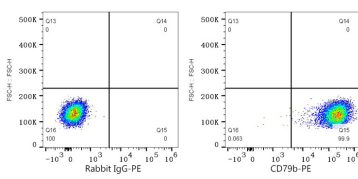
Validation Data



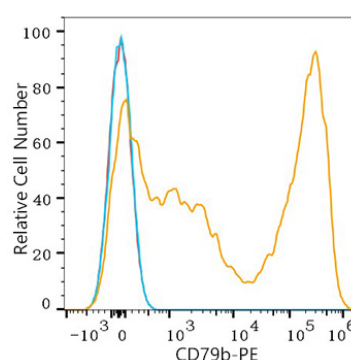
Western blot analysis of lysates from Mouse spleen using CD79b Rabbit mAb (A25358) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).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



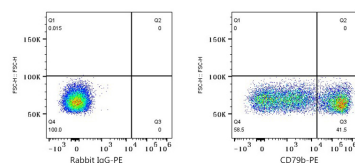
Flow cytometry: 1×10^6 C2C12 cells (negative control, left) and A20 (right) cells were surface-stained with Mouse CD79b mAb (A25358, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µl/Test, blue line), followed by PE conjugated Donkey anti-rabbit pAb staining. Non-fluorescently stained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



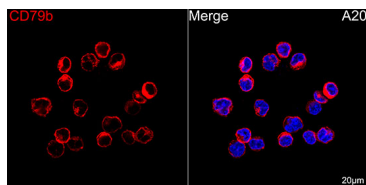
Flow cytometry: 1×10^6 A20 cells were surface-stained with PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or Mouse CD79b mAb (A25358, 2 µg/mL, right).



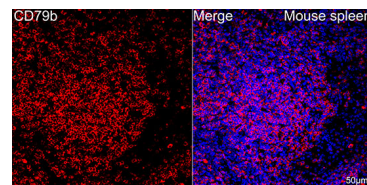
Flow cytometry: 1×10^6 C57BL/6 mouse Splenocytes were surface-stained with Mouse CD79b mAb (A25358, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (A24172, 5 µl/Test, blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red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



Flow cytometry: 1×10^6 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).

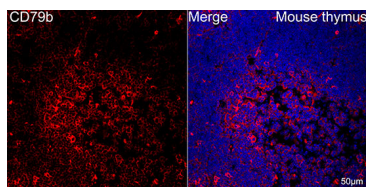


Confocal imaging of A20 cells using CD79b Rabbit mAb (A25358, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



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.