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CD79b Rabbit mAb

Catalog No.: A25358 Recombinant

Basic Information

Observed MW
30-50kDa

Calculated MW
25kDa

Category
Primary antibody

Applications
WB,IF/ICC,FC,ELISA

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC66113

Conjugate
Unmodified

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

WB	1:1000 - 1:4000
IF/ICC	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.

Immunogen Information

Gene ID
15985

Swiss Prot
P15530

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 26-158 of mouse CD79b (NP_032365.1).

Synonyms
B29; Igb; Igbeta; Ig-beta

Contact

400-999-6126

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Product Information

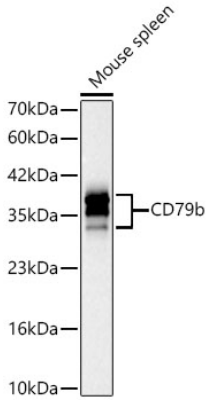
Source
Rabbit

Isotype
IgG

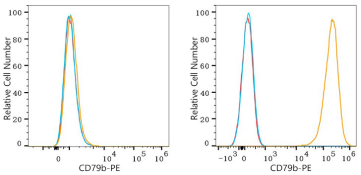
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

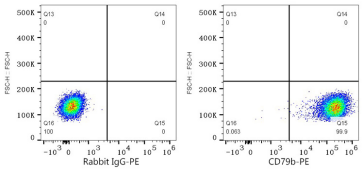
Validation Data



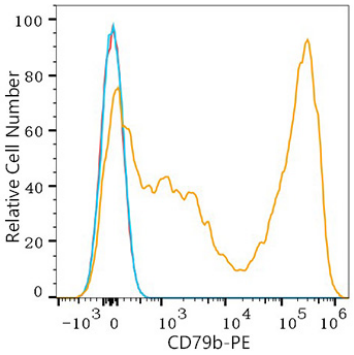
Western blot analysis of lysates from Mouse spleen using CD79b Rabbit mAb (A25358) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).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



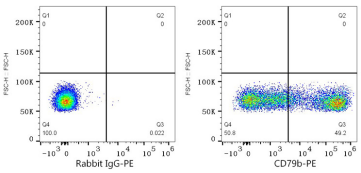
Flow cytometry: 1X10^6 C2C12 cells (negative control,left) and A20 (right) cells were surface-stained with Mouse CD79b mAb (A25358,2 µg/mL,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line), followed by PE conjugated Donkey anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



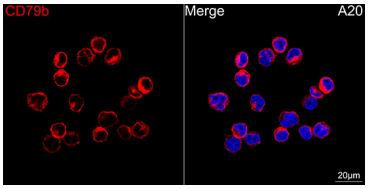
Flow cytometry: 1X10^6 A20 cells were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or Mouse CD79b mAb (A25358,2 µg/mL,right).



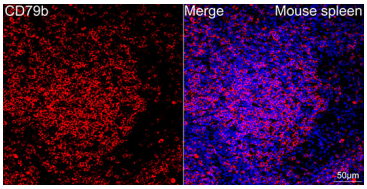
Flow cytometry: 1X10^6 C57BL/6 mouse Splenocytes were surface-stained with Mouse CD79b mAb (A25358,2 µg/mL,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 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).

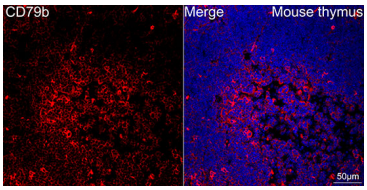


Confocal imaging of A20 cells using CD79b Rabbit mAb (A25358, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



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.