SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD79b antibody

Catalog Number: SLM-60240R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	C7H9
Target:	CD79b
Immunogen:	KLH conjugated synthetic peptide derived from human CD79b
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:1000-5000 ICC/IF=1:100-500 Flow-Cyt=1:100-200 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	23kDa
Subcellular Location:	The cell membrane
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. [provided by RefSeq, Jul 2008] **Database links:** **Entrez Gene:** 974 Human **Entrez Gene:** 15985 Mouse **Entrez Gene:** 171055 Rat **SwissProt:** P40259 Human

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	SwissProt: P15530 Mouse

[VALIDATION IMAGES]

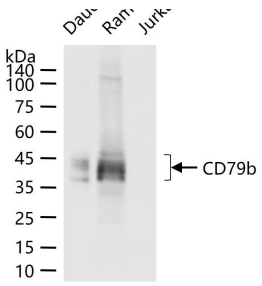


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with CD79b monoclonal antibody, unconjugated (SLM-60240R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

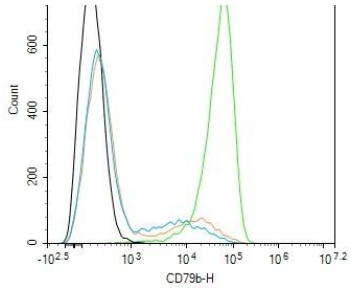


Figure 2. The Ramos(H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-CD79b antibody (SLM-60240R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (SL60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (SL0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed

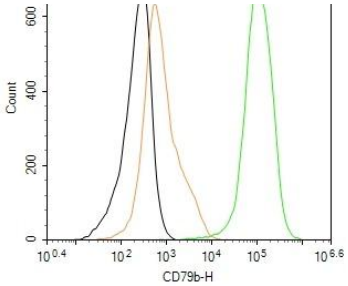


Figure 3. The Daudi (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CD79b antibody (SLM-60240R,1:100); Isotype Control (orange): Rabbit IgG (SL0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed

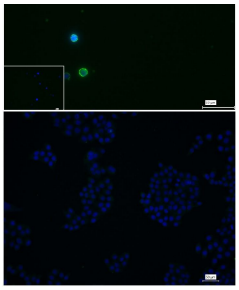


Figure 4. (UPPER PANEL) 4% Paraformaldehyde-fixed Ramos (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (CD79b) monoclonal Antibody, unconjugated (SLM-60240R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control. (LOWER PANEL) MCF-7/Knockout Sample (H) cell as Negative Control. The experimental procedure was as same as above

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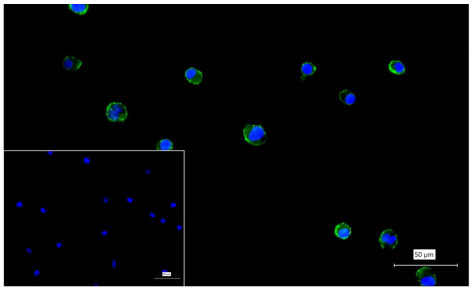


Figure 5. 4% Paraformaldehyde-fixed Daudi (H) cell; Antibody incubation with (CD79b) monoclonal Antibody, unconjugated (SLM-60240R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control

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