

## GMP PerCP/Cyanine5.5 anti-human CD79b (Igβ) Antibody

<b>Catalog# / Size</b>	260342 / 100 tests
<b>Clone</b>	CB3-1
<b>Workshop</b>	VI CD79.1
<b>Other Names</b>	Igb, Igβ (Ig-beta), B29
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD79 is a heterodimeric molecule comprised of an α-chain (CD79a) and β-chain (CD79b). A 37-39 kD type I integral membrane protein CD79b is non-covalently associated with CD79a and cell surface IgM to form the B-cell receptor (BCR) complex. CD79b is expressed on the surface of surface Ig (slg)-positive B cells and in the cytoplasm of slg-negative B cells. It is essential for signal transduction after surface Ig crosslinking.

### Product Details

<b>Reactivity</b>	Human
<b>Reported Reactivity</b>	African Green, Baboon, Cynomolgus, Rhesus
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing True-Stain Monocyte Blocker™, 0.09% sodium azide and 0.2% (w/v) BSA (origin USA) and a stabilizer.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
<b>Concentration</b>	200 µg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Application References</b>	1. Nakamura T, <i>et al.</i> 1992. <i>P. Natl. Acad. Sci. USA</i> 89:8522. 2. Garcia Vela J, <i>et al.</i> 1999. <i>Leukemia</i> . 13:1501. 3. Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC) 4. Rossi EA, <i>et al.</i> 2014. <i>PLoS One</i> . 9:98315. <a href="#">PubMed</a>
<b>(PubMed link indicates BioLegend citation)</b>	
<b>Disclaimer</b>	<b>GMP RUO Flow Cytometry Antibodies.</b> BioLegend GMP RUO fluorophore conjugated antibodies are manufactured in a dedicated GMP facility and compliant with ISO 13485:2016. For research use only. Not for use in diagnostic or therapeutic procedures. Our processes include: <ul style="list-style-type: none"> <li>• Batch-to-batch consistency</li> <li>• Material traceability</li> <li>• Documented procedures</li> <li>• Documented employee training</li> <li>• Equipment maintenance and monitoring records</li> <li>• Lot-specific certificates of analysis</li> <li>• Quality audits per ISO 13485:2016</li> <li>• QA review of released products</li> </ul>

## Antigen Details

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<b>Structure</b>	37-39 kD type I integral membrane protein, associate with CD79a and cell surface IgM to form the B-cell receptor (BCR) complex, Ig superfamily.
<b>Distribution</b>	B cells
<b>Function</b>	From BCR complex, signal transduction
<b>Cell Type</b>	B cells
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Zola H, <i>et al.</i> Eds. 2007. <i>Leukocyte and Stromal Cell Molecules: The CD Markers</i> . A John Wiley & Sons Inc. 2. Dylke J, <i>et al.</i> 2007. <i>Immunol. Lett.</i> 112:47
<b>Gene ID</b>	<a href="#">974</a>

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

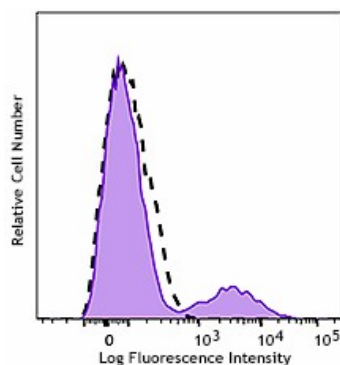
## Other Formats

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PE anti-human CD79b (Ig $\beta$ ), APC anti-human CD79b (Ig $\beta$ ), PerCP/Cyanine5.5 anti-human CD79b (Ig $\beta$ ), Alexa Fluor<sup>®</sup> 647 anti-human CD79b (Ig $\beta$ ), PE/Cyanine7 anti-human CD79b (Ig $\beta$ ), APC/Fire™ 750 anti-human CD79b (Ig $\beta$ ), TotalSeq™-A0187 anti-human CD79b (Ig $\beta$ ), TotalSeq™-C0187 anti-human CD79b (Ig $\beta$ ), TotalSeq™-B0187 anti-human CD79b (Ig $\beta$ ), TotalSeq™-D0187 anti-human CD79b (Ig $\beta$ ), PE anti-human CD79b, APC anti-human CD79b, PerCP/Cyanine5.5 anti-human CD79b, Spark Violet™ 423 anti-human CD79b (Ig $\beta$ ), GMP PE anti-human CD79b (Ig $\beta$ ), GMP APC anti-human CD79b (Ig $\beta$ )

## Product Data

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Typical results from human peripheral blood lymphocyte stained either with CB3-1 PerCP/Cyanine5.5 used at 5  $\mu$ L/test (filled histogram) or with an isotype control (open histogram).

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