

## PE anti-mouse TER-119/Erythroid Cells Antibody

<b>Catalog# / Size</b>	116207 / 50 µg 116208 / 200 µg
<b>Clone</b>	TER-119
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Ly-76
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	The TER-119 antigen is a 52 kD glycophorin A-associated protein, also known as Ly-76. TER-119 is an erythroid-specific antigen expressed on early proerythroblasts to mature erythrocytes, but not on erythroid colony-forming cells (BFU-E, blast-forming unit erythroid, or CFU-E, colony-forming unit erythroid).

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Day-14 fetal liver cells from a C57BL/6 mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions.
<b>Concentration</b>	0.2 mg/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 ≤ 0.25 µg per 10 <sup>6</sup> cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>Application Notes</b>	The TER-119 antibody is useful for distinguishing erythrocytes and cells in the erythroid lineage. Additional reported applications (for the relevant formats) include: immunoprecipitation <sup>1</sup> , Western blotting <sup>1</sup> , complement-mediated cytotoxicity <sup>3</sup> , and immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin-embedded sections. Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 116253-116258).
<b>Application References</b>	<ol style="list-style-type: none"> <li>1. Kina T, <i>et al.</i> 2000. <i>Br. J. Haematol.</i> 109:280. (IP, WB)</li> <li>2. Vannucchi AM, <i>et al.</i> 2000. <i>Blood</i> 95:2559.</li> <li>3. Maraskovsky E, <i>et al.</i> 1996. <i>J. Exp. Med.</i> 184:1953. (CMCD)</li> <li>4. Grisendi S, <i>et al.</i> 2005. <i>Nature</i> 437:147. (FC)</li> <li>5. Bourdeau A, <i>et al.</i> 2007. <i>Blood</i> 109:4220.</li> <li>6. Chappaz S, <i>et al.</i> 2007. <i>Blood</i> 110:3862. (FC)</li> <li>7. Heuser M, <i>et al.</i> 2007. <i>Blood</i> 110:1639. (FC)</li> <li>8. Gough SM, <i>et al.</i> 2014. <i>Cancer Discov.</i> 4:564. <a href="#">PubMed</a></li> </ol>
<b>(PubMed link indicates BioLegend citation)</b>	

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**RRID**

AB\_313708 (BioLegend Cat. No. 116207)  
 AB\_313709 (BioLegend Cat. No. 116208)

**Antigen Details**

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<b>Structure</b>	Associated with glycoporphin A, 52 kD
<b>Distribution</b>	Early proerythroblast to mature erythrocyte, but not BFU-E and CFU-E
<b>Cell Type</b>	Erythrocytes
<b>Biology Area</b>	Immunology
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Kina T, <i>et al.</i> 2000. <i>Br. J. Haematol.</i> 109:280.</li> <li>2. Ikuta K, <i>et al.</i> 1990. <i>Cell</i> 62:863.</li> <li>3. Osawa M, <i>et al.</i> 1996. <i>Weir's Handbook of Experimental Immunology.</i> Vol. 2 pp. 66.1-66.5.</li> </ol>
<b>Gene ID</b>	<a href="#">104231</a>

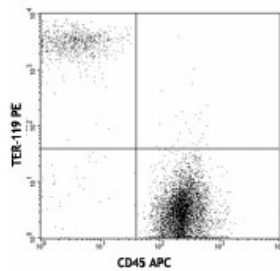
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

APC anti-mouse TER-119/Erythroid Cells, Biotin anti-mouse TER-119/Erythroid Cells, FITC anti-mouse TER-119/Erythroid Cells, PE anti-mouse TER-119/Erythroid Cells, PE/Cyanine5 anti-mouse TER-119/Erythroid Cells, Purified anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 488 anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 647 anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 700 anti-mouse TER-119/Erythroid Cells, PE/Cyanine7 anti-mouse TER-119/Erythroid Cells, APC/Cyanine7 anti-mouse TER-119/Erythroid Cells, PerCP anti-mouse TER-119/Erythroid Cells, PerCP/Cyanine5.5 anti-mouse TER-119/Erythroid Cells, Brilliant Violet 421™ anti-mouse TER-119/Erythroid Cells, Pacific Blue™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 650™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 510™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 605™ anti-mouse TER-119/Erythroid Cells, Purified anti-mouse TER-119/Erythroid Cells (Maxpar® Ready), PE/Dazzle™ 594 anti-mouse TER-119/Erythroid Cells, Brilliant Violet 785™ anti-mouse TER-119/Erythroid Cells, TotalSeq™-A0122 anti-mouse TER-119/Erythroid Cells, APC/Fire™ 750 anti-mouse TER-119/Erythroid Cells, TotalSeq™-B0122 anti-mouse TER-119/Erythroid Cells, TotalSeq™-C0122 anti-mouse TER-119/Erythroid Cells, Ultra-LEAF™ Purified anti-mouse TER-119/Erythroid Cells, Spark Blue™ 550 anti-mouse TER-119/Erythroid Cells, APC/Fire™ 810 anti-mouse TER-119/Erythroid Cells, Spark NIR™ 685 anti-mouse TER-119/Erythroid Cells Antibody

## Product Data



C57BL/6 bone marrow cells stained with TER-119 PE and anti-mouse CD45 APC

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