

## TotalSeq™-B0122 anti-mouse TER-119/Erythroid Cells Antibody

<b>Catalog# / Size</b>	116251 / 10 µg
<b>Clone</b>	TER-119
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Ly-76
<b>Isotype</b>	Rat IgG2b, κ
<b>Barcode Sequence</b>	GCGCGTTTGTGCTAT
<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 and 1 mM EDTA
<b>Preparation</b>	The antibody was purified by chromatography and conjugated with TotalSeq™-B oligomer under optimal conditions.
<b>Concentration</b>	0.5 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">PG - Quality tested</a>
<b>Recommended Usage</b>	<p>Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> and the oligomer sequence is confirmed by sequencing. TotalSeq™-B antibodies are compatible with 10x Genomics Single Cell Gene Expression <a href="#">Solutions</a>.</p> <p>To maximize performance, it is strongly recommended that the reagent be titrated for each application, and that you centrifuge the antibody dilution before adding to the cells at 14,000xg at 2 - 8°C for 10 minutes. Carefully pipette out the liquid avoiding the bottom of the tube and add to the cell suspension. For Proteogenomics analysis, the suggested starting amount of this reagent for titration is ≤ 1.0 µg per million cells in 100 µL volume. Refer to the corresponding TotalSeq™ protocol for specific staining instructions.</p> <p>Buyer is solely responsible for determining whether Buyer has all intellectual property rights that are necessary for Buyer's intended uses of the BioLegend TotalSeq™ products. For example, for any technology platform Buyer uses with TotalSeq™, it is Buyer's sole responsibility to determine whether it has all necessary third party intellectual property rights to use that platform and TotalSeq™ with that platform.</p>
<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>Additional Product Notes</b>	TotalSeq™ reagents are designed to profile protein levels at a single cell level following an optimized protocol similar to the CITE-seq workflow. A compatible single cell device (e.g. <a href="#">10x Genomics Chromium System and Reagents</a> ) and sequencer (e.g. Illumina analyzers) are required. Please contact <a href="#">technical support</a> for more information, or visit <a href="http://biolegend.com/totalseq">biolegend.com/totalseq</a> .

The barcode flanking sequences are GTGACTGGAGTTTCAGACGTGTGCTCTCCGATCTNNNNNNNNN (PCR handle), and NNNNNNNNCCCATATAAGA\*A\*A (capture sequence). N represents either randomly selected A, C, G, or T, and \* indicates a phosphorothioated bond, to prevent nuclease degradation.

View more applications data for this product in our [Scientific Poster Library](#).

## Application References

(PubMed link indicates BioLegend citation)

1. Kina T, *et al.* 2000. *Br. J. Haematol.* 109:280. (IP, WB)
2. Vannucchi AM, *et al.* 2000. *Blood* 95:2559.
3. Maraskovsky E, *et al.* 1996. *J. Exp. Med.* 184:1953. (CMCD)
4. Grisendi S, *et al.* 2005. *Nature* 437:147. (FC)
5. Bourdeau A, *et al.* 2007. *Blood* 109:4220.
6. Chappaz S, *et al.* 2007. *Blood* 110:3862. (FC)
7. Heuser M, *et al.* 2007. *Blood* 110:1639. (FC)
8. Gough SM, *et al.* 2014. *Cancer Discov.* 4:564. [PubMed](#)

RRID

AB\_2832398 (BioLegend Cat. No. 116251)

## Antigen Details

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<b>Structure</b>	Associated with glycophorin 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

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[TotalSeq™-B or -C with 10x Feature Barcoding Technology](#)

## Other Formats

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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

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