

APC/Fire™ 750 anti-mouse TER-119/Erythroid Cells Antibody

Catalog# / Size	116249 / 25 µg 116250 / 100 µg
Clone	TER-119
Regulatory Status	RUO
Other Names	Ly-76
Isotype	Rat IgG2b, κ
Description	The TER-119 antigen is a 52 kD glycoprotein 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

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Day-14 fetal liver cells from a C57BL/6 mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
Excitation Laser	Red Laser (633 nm)
Application Notes	The TER-119 antibody is useful for distinguishing erythrocytes and cells in the erythroid lineage. Additional reported applications (for the relevant formats) include: immunoprecipitation ¹ , Western blotting ¹ , complement-mediated cytotoxicity ³ , 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).
Application References	<ol style="list-style-type: none"> 1. Kina T, <i>et al.</i> 2000. <i>Br. J. Haematol.</i> 109:280. (IP, WB) 2. Vannucchi AM, <i>et al.</i> 2000. <i>Blood</i> 95:2559. 3. Maraskovsky E, <i>et al.</i> 1996. <i>J. Exp. Med.</i> 184:1953. (CMCD) 4. Grisendi S, <i>et al.</i> 2005. <i>Nature</i> 437:147. (FC) 5. Bourdeau A, <i>et al.</i> 2007. <i>Blood</i> 109:4220. 6. Chappaz S, <i>et al.</i> 2007. <i>Blood</i> 110:3862. (FC) 7. Heuser M, <i>et al.</i> 2007. <i>Blood</i> 110:1639. (FC) 8. Gough SM, <i>et al.</i> 2014. <i>Cancer Discov.</i> 4:564. PubMed
(PubMed link indicates BioLegend citation)	
Product Citations	<ol style="list-style-type: none"> 1. Lederer K, <i>et al.</i> 2020. <i>Immunity.</i> 53(6):1281-1295.e5. PubMed

RRID AB_2819832 (BioLegend Cat. No. 116249)
AB_2819833 (BioLegend Cat. No. 116250)

Antigen Details

Structure	Associated with glycophorin A, 52 kD
Distribution	Early proerythroblast to mature erythrocyte, but not BFU-E and CFU-E
Cell Type	Erythrocytes
Biology Area	Immunology
Antigen References	1. Kina T, et al. 2000. <i>Br. J. Haematol.</i> 109:280. 2. Ikuta K, et al. 1990. <i>Cell</i> 62:863. 3. Osawa M, et al. 1996. <i>Weir's Handbook of Experimental Immunology</i> . Vol. 2 pp. 66.1-66.5.
Gene ID	104231

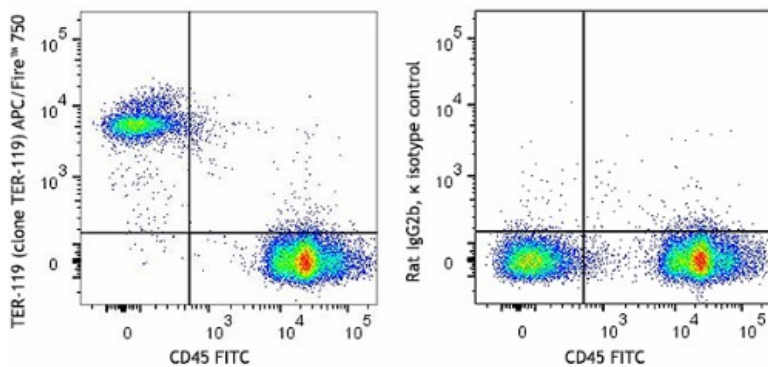
Related Protocols

[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, Brilliant Violet 785™ 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 were stained with CD45 FITC and TER-119 (clone TER-119) APC/Fire™ 750 (left) or rat IgG2b, κ APC/Fire™ 750 isotype control (right).

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