

Spark PLUS UV395™ anti-mouse TER-119/Erythroid Cells Antibody

Catalog# / Size	116268 / 25 µg 116269 / 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 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

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 Spark PLUS UV395™ 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. * Spark PLUS UV395™ has a maximum excitation of 355 nm and a maximum emission of 385 nm.
Excitation Laser	Ultraviolet Laser (355 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

(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_3720557 (BioLegend Cat. No. 116268)
AB_3720557 (BioLegend Cat. No. 116269)

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. *Br. J. Haematol.* 109:280.
2. Ikuta K, *et al.* 1990. *Cell* 62:863.
3. Osawa M, *et al.* 1996. *Weir's Handbook of Experimental Immunology*. Vol. 2 pp. 66.1-66.5.

Gene ID

[104231](#)

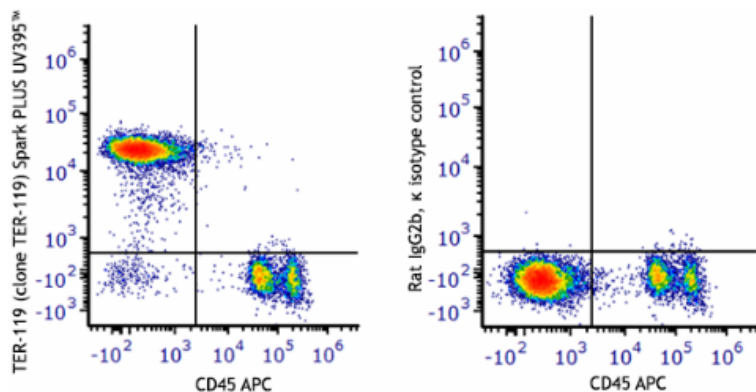
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Brilliant Violet 711™ anti-mouse TER-119/Erythroid Cells, Spark NIR™ 685 anti-mouse TER-119/Erythroid Cells Antibody, PE/Dazzle™ 594 anti-mouse TER-119/Erythroid Cells, Brilliant Violet 785™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 510™ anti-mouse TER-119/Erythroid Cells, Spark Red™ 718 anti-mouse TER-119/Erythroid Cells (Flexi-Fluor™), Spark Blue™ 574 anti-mouse TER-119/Erythroid Cells (Flexi-Fluor™), Spark YG™ 593 anti-mouse TER-119/Erythroid Cells (Flexi-Fluor™) Antibody, Purified anti-mouse TER-119/Erythroid Cells (Maxpar® Ready), PE/Cyanine7 anti-mouse TER-119/Erythroid Cells, PE/Cyanine5 anti-mouse TER-119/Erythroid Cells, TotalSeq™-B0122 anti-mouse TER-119/Erythroid Cells, Brilliant Violet 605™ anti-mouse TER-119/Erythroid Cells, Spark YG™ 581 anti-mouse TER-119/Erythroid Cells (Flexi-Fluor™), Spark UV™ 387 anti-mouse TER-119/Erythroid Cells (Flexi-Fluor™), APC/Cyanine7 anti-mouse TER-119/Erythroid Cells, TotalSeq™-A0122 anti-mouse TER-119/Erythroid Cells, PE anti-mouse TER-119/Erythroid Cells, 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, Pacific Blue™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 421™ anti-mouse TER-119/Erythroid Cells, Brilliant Violet 650™ anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 488 anti-mouse TER-119/Erythroid Cells, Spark PLUS UV395™ anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 647 anti-mouse TER-119/Erythroid Cells, Alexa Fluor® 700 anti-mouse TER-119/Erythroid Cells, PerCP anti-mouse TER-119/Erythroid Cells, PerCP/Cyanine5.5 anti-mouse TER-119/Erythroid Cells, APC/Fire™ 750 anti-mouse TER-119/Erythroid Cells, APC anti-mouse TER-119/Erythroid Cells, Biotin anti-mouse TER-119/Erythroid Cells, FITC anti-mouse TER-119/Erythroid Cells, TotalSeq™-C0122 anti-mouse TER-119/Erythroid Cells, Ultra-LEAF™ Purified anti-mouse TER-119/Erythroid Cells

Product Data



C57BL/6 mouse bone marrow cells were stained with anti-mouse CD45 (clone 30-F11) APC and anti-mouse TER-119/Erythroid Cells (clone TER-119) Spark PLUS UV395™ (left) or rat IgG2b, κ Spark PLUS UV395™ isotype control (right).

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