

**Spark NIR™ 685 anti-mouse TER-119/Erythroid Cells**

**Catalog # / Size:** 1181325 / 25 µg  
1181330 / 100 µg

**Clone:** TER-119

**Isotype:** Rat IgG2b, κ

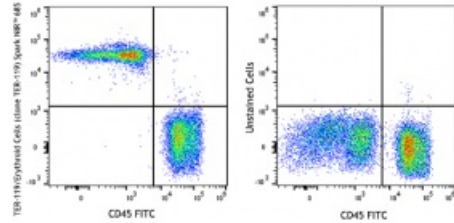
**Immunogen:** Day-14 fetal liver cells from a C57BL/6 mouse

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Spark NIR™ 685 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Concentration:** 0.5 mg/mL



C57BL/6 mouse bone marrow cells were stained with anti-mouse CD45 FITC and anti-mouse TER-119 (clone TER-119) Spark NIR™ 685 (left) or anti-mouse CD45 FITC only (right).

**Applications:**

**Applications:** Flow Cytometry

**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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Spark NIR™ 685 has a maximum excitation of 665 nm and a maximum emission of 685 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<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).

- Application References:**
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](#)

**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).

**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.