

Biotin anti-mouse TER-119/Erythroid Cells

Catalog # / Size: 1181015 / 50 µg
1181020 / 500 µg

Clone: TER-119

Isotype: Rat IgG2b, κ

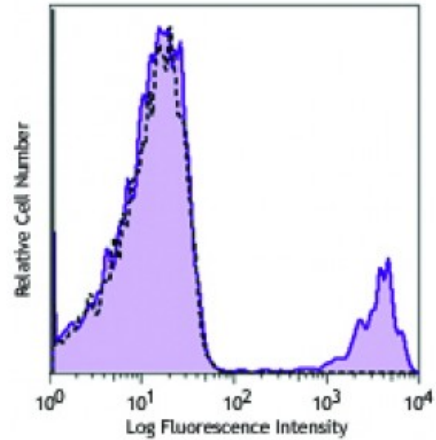
Immunogen: Day-14 fetal liver cells from a C57BL/6 mouse

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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

Concentration: 0.5



C57BL/6 bone marrow cells were stained with biotinylated TER-119 (filled histogram) or biotinylated rat IgG2b, κ isotype control (open histogram) and then detected with Sav-PE.

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 microg per 10⁶ cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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: immunoprecipitation¹, Western blotting¹, complement-mediated cytotoxicity³, and immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin-embedded sections. LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 116214).

- 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. Chatterjee S, *et al.* 2014. *PLoS One.* 9:87858. [PubMed](#)

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).

- 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.