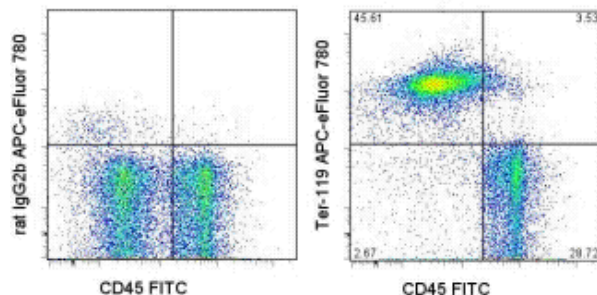


Anti-Mouse TER-119 APC-eFluor® 780

Catalog Number: 47-5921

Also Known As: TER119, Erythroid cell marker, Ly-76, Ly76

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c bone marrow cells with Anti-Mouse CD45 FITC (cat. 11-0451) and 0.25 µg of Rat IgG2b K Isotype Control APC-eFluor® 780 (cat. 47-4031) (left) or 0.25 µg of Anti-Mouse TER-119 APC-eFluor® 780 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse TER-119 APC-eFluor® 780

REF **Catalog Number:** 47-5921

Clone: TER-119

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Contains sodium azide

Description

The TER-119 monoclonal antibody reacts with mouse erythroid cells from early proerythroblast to mature erythrocyte stages. The TER-119 antigen is present in yolk sac, fetal and newborn liver, but is not expressed by cells carrying BFU-E and CFU-E activities. Several erythroleukemia cell lines tested so far are negative for expression of TER-119 antigen even after dimethylsulfoxide stimulation. Biochemical and molecular analysis of the TER-119 antigen indicate that this molecule is associated with the surface glycoprotein A, but is not a typical glycoprotein.

Applications Reported

This TER-119 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This TER-119 antibody has been tested by flow cytometric analysis of mouse bone marrow. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

APC-eFluor® emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

Kina, T., K. Ikuta, et al. (2000). The monoclonal antibody TER-119 recognizes a molecule associated with glycoprotein A and specifically marks the late stages of murine erythroid lineage. *Br J Haematol* 109(2): 280-87.

Vannucchi, A. M., F. Paoletti, et al. (2000). Identification and characterization of a bipotent (erythroid and megakaryocytic) cell precursor from the spleen of phenylhydrazine-treated mice. *Blood* 95(8): 2559-68.

Related Products

11-0451 Anti-Mouse CD45 FITC (30-F11)

47-4031 Rat IgG2b K Isotype Control APC-eFluor® 780

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com