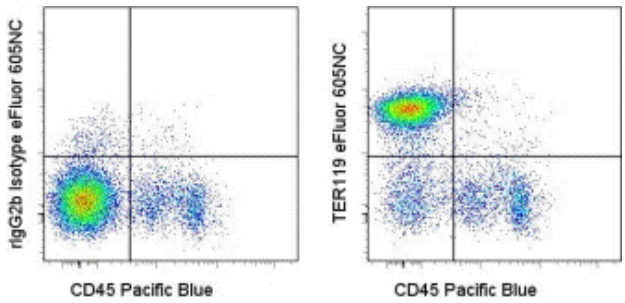
Anti-Mouse TER-119 eFluor® 605NC

Catalog Number: 93-5921
Also Known As:TER119, Erythroid cell marker, Ly-76, Ly76
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 bone marrow cells with Anti-Mouse CD45 Pacific Blue® and Rat IgG2b K Isotype Control eFluor® 605NC (cat. 93-4031) (left) or Anti-Mouse TER-119 eFluor® 605NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse TER-119 eFluor® 605NC
REF **Catalog Number:** 93-5921
Clone: TER-119
Concentration: 5 uL
Host/Isotype: Rat IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains 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 glycophorin A, but is not a typical glycophorin.

Applications Reported

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

Applications Tested

This TER-119 antibody has been pre-titrated and tested by flow cytometric analysis of mouse bone marrow cells. This can be used at 5 µL per test. A test is defined as the amount 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 10^5 to 10^8 cells/test.

\The Rat IgG2b Isotype Control eFluor 605NC (cat. 93-4031) should be used at 5 uL/test.

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

References

Kina, T., K. Ikuta, et al. (2000). The monoclonal antibody TER-119 recognizes a molecule associated with glycophorin 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
00-4222 Flow Cytometry Staining Buffer
93-4031 Rat IgG2b K Isotype Control eFluor® 605NC

Legal
Under patent number: US 7,939,170 and additional pending patent application(s)

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