full spectrum cell analysis®
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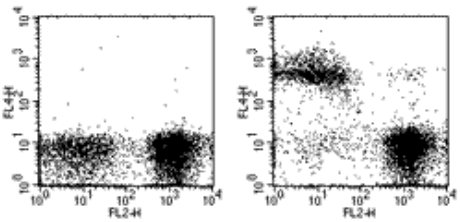
Anti-Mouse TER-119 APC

Catalog Number: 17-5921
Also Known As: TER119, Erythroid cell marker, Ly-76, Ly76
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of mouse bone marrow cells with Anti-Human/Mouse CD45R (B220) PE (cat. 12-0452) and staining buffer (autofluorescence) (left) or 0.125 ug of Anti-Mouse TER-119 APC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse TER-119 APC
REF Catalog Number: 17-5921
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.
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 glycophorin A, but is not a typical glycophorin.

Applications Reported

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

Applications Tested

The TER-119 antibody has been tested by flow cytometric analysis of mouse splenocytes and bone marrow cell suspensions. This can be used at less than or equal to 0.25 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

12-0452 Anti-Human/Mouse CD45R (B220) PE (RA3-6B2)
17-4031 Rat IgG2b K Isotype Control APC

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