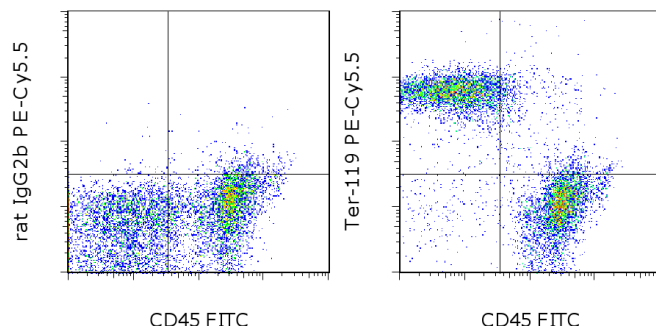


Anti-Mouse TER-119 PE-Cyanine5.5

Catalog Number: 35-5921

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 0.125 ug of Rat IgG2b K Isotype Control PE-Cyanine5.5 (cat. 35-4031) (blue histogram) or 0.125 ug of Anti-Mouse TER-119 PE-Cyanine5.5 (purple histogram). Cells in the small scatter population were used for analysis.

Product Information

Contents: Anti-Mouse TER-119 PE-Cyanine5.5

Catalog Number: 35-5921

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.

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 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 10⁵ to 10⁸ 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 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

00-4300 10X RBC Lysis Buffer (Multi-species)

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

35-4031 Rat IgG2b K Isotype Control PE-Cyanine5.5

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88-7772 Mouse Hematopoietic Lineage eFluor® 450 Cocktail (17A2, RA3-6B2, M1/70, TER-119, RB6-8C5)

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