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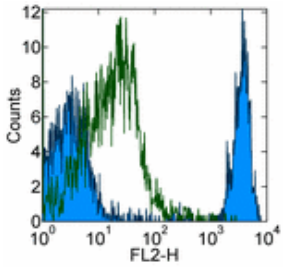
Product Information

Contents: Biotin anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)
Catalog Number: 13-5921
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C. DO NOT FREEZE.
Clone: TER-119
Isotype: Rat IgG2b, κ



Staining of BALB/c bone marrow cells with 0.25 µg of PE Rat IgG2b Iso Cntrl (cat. 12-4032) (open histogram) or 0.25 µg of Biotin TER-119 (colored histogram) followed by Streptavidin-PE (cat. 12-4312). Cells in the small scatter population were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
10-5921	Allophycocyanin-Cy7 (APC-Cy7) anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	633	760	FC
11-5921	FITC anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	488	518	FC
12-5921	PE anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	488	575	FC
13-5921	Biotin anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	N/A	N/A	FC
14-5921	Affinity Purified anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	N/A	N/A	FC IHC IP WB
15-5921	PE-Cy5 anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	488	670	FC
16-5921	Functional Grade* Purified anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	N/A	N/A	FC
17-5921	APC anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	633	660	FC
25-5921	PE-Cy7 anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	488	760	FC
35-5921	Phycoerythrin-Cy5.5 (PE-Cy5.5) anti-mouse TER-119 (TER119, Erythroid cells, Ly-76)	488	690	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. 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 0.5 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 13-4031	Biotin Rat IgG2b Isotype Control (clone eB149/10H5)
Cat. 11-4317	Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317	Streptavidin-PE (Phycoerythrin)
Cat. 17-4317	Streptavidin Allophycocyanin (SA-APC)
Cat. 10-5921	Allophycocyanin-Cy7 (APC-Cy7) anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 11-5921	FITC anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 12-5921	PE anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 14-5921	Affinity Purified anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 15-5921	PE-Cy5 anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 16-5921	Functional Grade Purified anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 17-5921	APC anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)
Cat. 25-5921	PE-Cy7 anti-mouse TER-119 (TER119, Erythroid cells, Ly-76) (clone TER-119)

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.

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