Mouse TER-119 Fluorescein-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # TER-119

Catalog Number: FAB1125F

25 Tests

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TER-119 in Western blots. This antibody has been shown to react with cells of the erythroid lineage in embryonic yolk sac, fetal liver, adult bone marrow, and adult peripheral blood.
Source	Monoclonal Rat IgG_{2B} Clone # TER-119
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	C57BL/6 mouse day-14 fetal liver cells
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

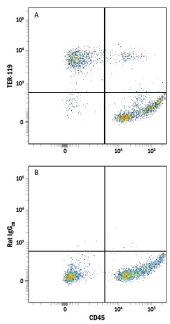
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of TER-119 in Mouse Bone Marrow Cells by Flow Cytometry. Mouse bone marrow cells were stained with Rat Anti-Mouse CD45 PE-conjugated Monoclonal Antibody (Catalog # FAB114P) and either (A) Rat Anti-Mouse TER-119 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB1125F) or (B) Rat IgG_{2B} Fluorescein Isotype Control (Catalog # IC013F). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

The monoclonal antibody TER-119 is isolated from a hybridoma generated using splenocytes from a rat subcutaneously injected with day 14 BALB/c fetal liver cells (1). The TER-119 monoclonal antibody reacts with erythroid cells from the early proerythroblast to mature erythrocyte stages of development (1). The 52 kDa ligand for TER-119 is associated with glycophorin A on erythrocytes (1). TER-119 antibodies are frequently used in combination with other lineage depletion antibodies to enrich for mouse hematopoietic stem cells (2, 3).

References:

1. Kina, T. *et al.* (2000) Br. J. Haematol. **109**:280.
2. Ikuta, K. *et al.* (1990) Cell **62**:863.
3. Osawa, M.Y. *et al.*, (1996) Hematopoietic Stem Cells in *Weir's Handbook of Experimental Immunology*, Vol. 2, 5th Edition. Herzenberg, L.A. et al. eds. Blackwell Science, Cambridge, MA. pp. 66.1-66.5

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