



**Category:** [Monoclonal Antibodies](#)      **Cat. #** mab-SF-C072      **Product Name:** mouse Erythroid Cells

**Description:**

Monoclonal rat anti-mouse Erythroid Cells. The TER-119 antigen is a 52 kD glycoprotein A-associated protein, also known as Ly-76. TER-119 is an erythroid-specific antigen expressed on early proerythroblasts to mature erythrocytes, but not BFU-E or CFU-E. The TER-119 antibody is useful for distinguishing erythrocytes and cells in the erythroid lineage

**Immunogen:**

Mouse fetal liver cells.

**Application:**

Flow cytometry, IHC

**Species Reactivity:**

Mouse. Others not tested.

**Presentation:**

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

**Aliquoting Instructions:**

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

**Specificity:**

The TER-119 antibody specifically binds to a 52 kDa molecule associated with glycoprotein A on cells of the erythroid lineage in embryonic yolk sac, fetal liver, newborn liver, adult bone marrow, adult peripheral blood, and adult lymphoid organs. The TER-119 antigen is expressed on erythroid cells from pro-erythroblast through mature erythrocyte stages, but not on cells with BFU-E or CFU-E activities. The TER-119 epitope is not detected on hematopoietic stem cells, lymphoid cells, myeloid cells, or erythroleukemia lines. The TER-119 mAb is a component of the "lineage cocktail" used in studies of hematopoietic progenitors to detect, or deplete cells committed to the hematopoietic lineages

**Storage:**

Store at 2~8°C for short term, freeze under -20°C for long term storage.

**Size:** 0.2 mg

**Clone:** Ter119

**Isotype:** Rat IgG2b, κ

**Host:** Rat

**Form:** Purified

**Concentration:** 0.5 mg/ml

**Units on Hand:** YES

**References:**

1. Kina, T., et al., Br. J. Haematol. 109: 280, 2000.
2. Vannucchi, A. M., et al., Blood 95:2559, 2000.
3. Maraskovsky, E., et al., J. Exp. Med. 184:1953-1962, 1996.

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