

## DESCRIPTION

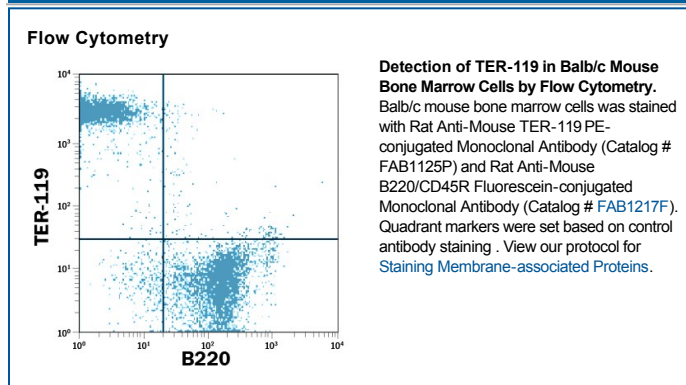
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TER-119 in Western blots. This antibody has been shown to react with cells of the erythroid lineage in embryonic yolk sac, fetal liver, adult bone marrow, adult peripheral blood, and adult lymphoid organs (Ikuta, K. <i>et al.</i> (1990) <i>Cell</i> <b>62</b> :863). TER-119 Antigen is a molecule associated with cell-surface glycoprotein A (Kina, T. <i>et al.</i> (2000) <i>Br. J. Haematol.</i> <b>109</b> :280). The antibody has been shown to react with erythroid cells at differentiation stages from early proerythroblast to mature erythrocyte (Kina, T. <i>et al.</i> (2000) <i>Br. J. Haematol.</i> <b>109</b> :280).
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # TER-119
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	C57BL/6 mouse day-14 fetal liver cells
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 µL/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> ● 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 glycoprotein 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