

**DESCRIPTION**

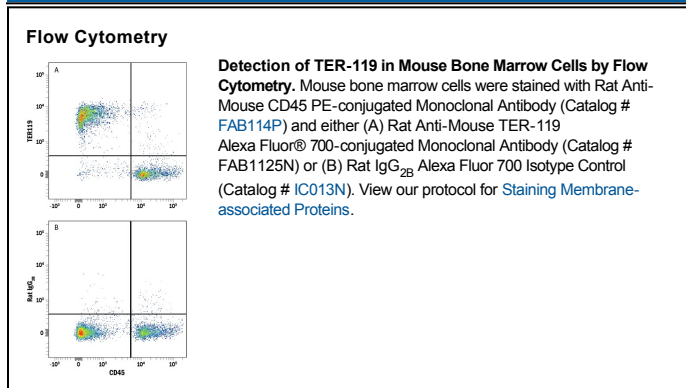
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse TER-119 in Western blots. This antibody has been shown to react with cells of the erythroid lineage in embryonic yolk sac, fetal liver, adult bone marrow, and adult peripheral blood.   |
| <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>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm  |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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> | 5 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><br>● 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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