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## Anti-Mouse TER-119 Functional Grade Purified

Catalog Number: 16-5921


Also Known As: TER119, Erythroid cell marker, Ly-76, Ly76

RUO: For Research Use Only. Not for use in diagnostic procedures.

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### Product Information

Contents: Anti-Mouse TER-119 Functional Grade Purified

 Catalog Number: 16-5921

Clone: TER-119

Concentration: 1 mg/mL

Host/Isotype: Rat IgG2b, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

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### 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.

### Applications Reported

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 test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### 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.

### Related Products

11-4811 Anti-Rat IgG FITC

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

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