

TECHNICAL DATA SHEET

redFluor™ 710 Anti-Mouse TER-119 (TER-119)

Catalog Number: 80-5921

PRODUCT INFORMATION

Contents: redFluor™ 710 Anti-Mouse TER-119 (TER-119)

Isotype: Rat IgG2b, kappa

Concentration: 0.2 mg/mL

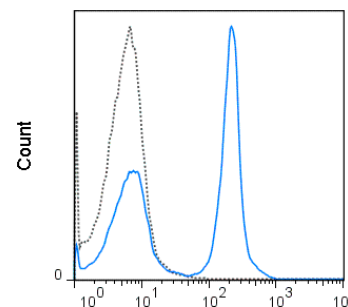
Clone: TER-119

Reactivity: Mouse

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% Na₃N, 0.1% gelatin, pH7.2



Mouse TER-119 (TER-119) redFluor™ 710

C57Bl/6 bone marrow cells were stained with 0.125 ug redFluor™ 710 Anti-Mouse TER-119 (80-5921) (solid line) or 0.125 ug redFluor™ 710 Rat IgG2b isotype control (dashed line).

DESCRIPTION

The TER-119 antibody is named for the antigen to which it binds, a 52 kDa surface protein that is associated with glycophorin-A. TER-119 is considered to be a lineage marker for later stages of erythroid cell development, as its expression begins at the pro-erythroblast stage. TER-119 antigen is not expressed at either BFU-E or CFU-E stages, i.e. prior to the pro-erythroblast stage.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

redFluor™ 710 dye is excited by the red (633-647 nm) laser and has a peak emission of 710 nm. The recommended band pass filter for this dye is 710/50. redFluor™ 710 can be used as an alternative for Alexa Fluor® 700. Confirm that your cytometer is configured to detect this fluorochrome.

REFERENCES

- Berent-Maoz B, Montecino-Rodriguez E, Signer RAJ, and Dorshkind K. 2012. *Blood*. 119: 5715-5721. (Flow cytometry)
- Kil LP, de Bruijn MJW, van Nimwegen M, Corneth OBJ, van Hamburg JP, Dingjan GM, Thaiss F, Rimmelzwaan GF, Elewaut D, Delsing D, van Loo PF, and Hendriks RW. 2012. *Blood*. 119: 3744-3756. (in vitro depletion)
- Hardy CL, LeMasurier JS, Belz GT, Scalzo-Inguanti K, Yao J, Xiang SD, Kanellakis P, Bobik A, Strickland DH, Rolland JM, O'Hehir RE, and Plebanski M. 2012. 188: 1431-1441. (in vitro depletion)
- Osada M, Inoue O, Ding G, Shirai T, Ichise H, Hirayama K, Takano K, Yatomi Y, Hirashima M, Fujii H, Suzuki-Inoue S, and Ozaki Y. 2012. *J. Biol. Chem.* 287: 22241-22252. (Immunofluorescence microscopy – paraffin embedded tissue)
- Maetens M, doumont G, De Clercq S, Francoz S, Froment P, Bellefroid E, Klingmuller U, Lozano G, and Marine J-C. 2007. *Blood*. 109: 2630-2633. (Immunofluorescence microscopy – OCT embedded frozen tissue)
- Kina T, Ikuta K, Takayama E, Wada K, Majumdar AS, Weissman IL, and Katsura Y. 2000. *Br. J. Haematol.* 109(2): 280-287. (Immunoprecipitation, Western blot)

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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