Datasheet: MCA6044F

Description:	RAT ANTI MOUSE TER-119/ERYTHROID CELLS:FITC
Specificity:	TER-119/ERYTHROID CELLS
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	TER-119
Isotype:	IgG2b
Quantity:	0.5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/5

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

Immunogen

Day 14 fetal liver cells from a C57BL/6 mouse

Specificity	**Rat anti Mouse TER-119/erythroid cells antibody, clone TER-119** recognizes TER-119 also known as Ly-76. The TER-119 clone detects a 52 kDa protein that is associated with cell surface expressed glycophorin A. TER-119 is an erythroid-specific antigen expressed from the early proerythroblast through to the mature erythrocyte stage. This antigen is also expressed on 20-25% of bone marrow cells and 2-3% of spleen cells but not on thymocytes, lymph node cells or erythroid colony-forming cells (Kina *et al.* 2000).
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10^6 cells in 100ul
Further Reading	1. Kina, T. *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): 280-7.
Storage	Store at +4^{o}C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6044F 10040
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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