

# TER-119 Monoclonal Antibody (TER-119), Super Bright™ 702, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Super Bright™ 702, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TER-119
Conjugate	Super Bright™ 702
Excitation/Emission Max	413/702 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2735087

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	1.0 µg/test	15 Publications

## Product Specific Information

**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 glycoprotein A, but is not a typical glycoprotein.

**Applications Reported:** This TER-119 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This TER-119 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may be used at less than or equal to 1.0 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.

Super Bright 702 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 702 nm. We recommend using a 710/50 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

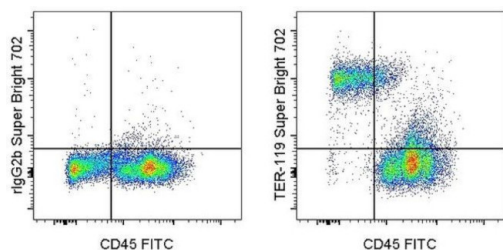
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100  $\mu$ L of cell sample + 100  $\mu$ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 702 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

## Product Images For TER-119 Monoclonal Antibody (TER-119), Super Bright™ 702, eBioscience™



### TER-119 Antibody (67-5921-80) in Flow

C57BL/6 mouse bone marrow cells were stained with CD45 Monoclonal Antibody, FITC (Product # 11-0451-82) and 1.0  $\mu$ g of Rat IgG2b kappa Isotype Control, Super Bright 702 (Product # 67-4031-82) (left) or 1.0  $\mu$ g of TER-119 Monoclonal Antibody, Super Bright 702 (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## 16 References

### Western Blot (1)

Life science alliance

#### SnRNA sequencing defines signaling by RBC-derived extracellular vesicles in the murine heart.

"Published figure using TER-119 monoclonal antibody (Product # 67-5921-82) in Western Blot"

Authors: Valkov N, Das A, Tucker NR, Li G, Salvador AM, Chaffin MD, Pereira De Oliveira Junior G, Kur I, Gokulnath P, Ziegler O, Yeri A, Lu S, Khamesra A, Xiao C, Rodosthenous R, Srinivasan S, Toxavidis V, Tigges J, Laurent LC, Momma S, Kitchen R, Ellinor P, Ghiran I, Das S

Year  
2021

### Flow Cytometry (15)

PloS one

#### Engineered red blood cells carrying PCSK9 inhibitors persistently lower LDL and prevent obesity.

"Published figure using TER-119 monoclonal antibody (Product # 67-5921-82) in Flow Cytometry"

Authors: Deshycka R, Sudaryo V, Huang NJ, Xie Y, Smeding LY, Choi MK, Ploegh HL, Lodish HF, Pishesha N

Year  
2021

Frontiers in immunology

#### Sex Matters: Physiological Abundance of Immuno-Regulatory CD71+ Erythroid Cells Impair Immunity in Females.

"Published figure using TER-119 monoclonal antibody (Product # 67-5921-82) in Flow Cytometry"

Authors: Mashhour S, Koleva P, Huynh M, Okoye I, Shahbaz S, Elahi S

Year  
2021

[View more Flow references on thermofisher.com](#)

### More applications with references on thermofisher.com

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