TER-119 Monoclonal Antibody (TER-119), eFluor™ 450, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TER-119
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1518809

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	6 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	77 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 glycophorin A, but is not a typical glycophorin.

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

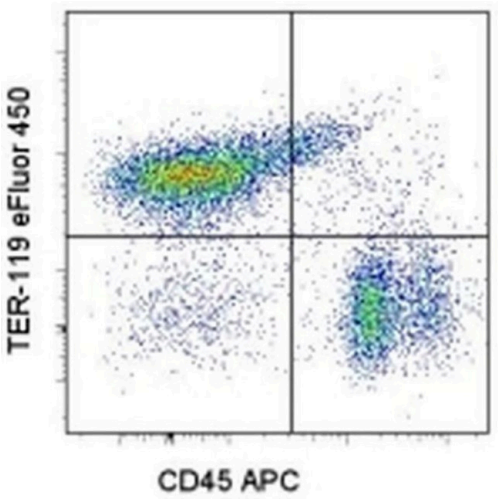
Applications Tested: This TER-119 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochome.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For TER-119 Monoclonal Antibody (TER-119), eFluor™ 450, eBioscience™



TER-119 Antibody (48-5921-80) in Flow
Staining of C57BL/6 bone marrow cells with Anti-Mouse CD45 APC (Product # 17-0451-82) and 0.25 µg of Anti-Mouse TER-119 eFluor® 450. Total viable cells were used for analysis.

View more figures on thermofisher.com

84 References

Immunohistochemistry (6)

The Journal of clinical investigation

Year
2018

Ribonuclease inhibitor 1 regulates erythropoiesis by controlling GATA1 translation.

"Published figure using TER-119 monoclonal antibody (Product # 48-5921-82) in Immunocytochemistry"

Authors: Chennupati V,Veiga DF,Maslowski KM,Andina N,Tardivel A,Yu EC,Stilinovic M,Simillion C,Duchosal MA, Quadroni M,Roberts I,Sankaran VG,MacDonald HR,Fasel N,Angelillo-Scherrer A,Schneider P,Hoang T,Allam R

Development (Cambridge, England)

Year
2018

Transient loss of venous integrity during developmental vascular remodeling leads to red blood cell extravasation and clearance by lymphatic vessels.

"Published figure using TER-119 monoclonal antibody (Product # 48-5921-82) in Immunofluorescence"

Authors: Zhang Y,Daubel N,Stritt S,Mäkinen T

View more IHC references on thermofisher.com

Immunocytochemistry (1)

The Journal of clinical investigation

Year
2018

Ribonuclease inhibitor 1 regulates erythropoiesis by controlling GATA1 translation.

"Published figure using TER-119 monoclonal antibody (Product # 48-5921-82) in Immunocytochemistry"

Authors: Chennupati V,Veiga DF,Maslowski KM,Andina N,Tardivel A,Yu EC,Stilinovic M,Simillion C,Duchosal MA, Quadroni M,Roberts I,Sankaran VG,MacDonald HR,Fasel N,Angelillo-Scherrer A,Schneider P,Hoang T,Allam R

Flow Cytometry (77)

PloS one

Year
2021

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

"Published figure using TER-119 monoclonal antibody (Product # 48-5921-82) in Flow Cytometry"

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

View more Flow references on thermofisher.com

More applications with references on thermofisher.com