

## Anti-Mouse TER119 Antibody, Clone TER-119, Biotin



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## Antibodies

Rat monoclonal IgG2b antibody  
against mouse TER119, biotin-  
conjugated

Catalog #60033BT.3  
#60033BT.2

500 µg 0.5 mg/mL  
50 µg 0.5 mg/mL

## Product Description

The TER-119 antibody reacts with murine TER119 (Ly-76), an ~52 kDa protein associated with glycophorin A on the surface of cells of the erythroid lineage in embryonic yolk sac, fetal and newborn liver, adult bone marrow, peripheral blood, and lymphoid organs. TER119 is an erythroid-specific marker expressed at all stages of differentiation from early proerythroblasts to mature erythrocytes, but not by erythroid colony-forming cells (BFU-E, blast-forming unit erythroid, or CFU-E, colony-forming unit erythroid). The TER-119 antibody is a component of the "lineage cocktail" used to detect, or deplete cells committed to hematopoietic lineages. In adult mice, TER119 is found on ~20 - 25% of bone marrow cells and ~2 - 3% of splenocytes.

Target Antigen Name:	TER119
Alternative Names:	Ly-76, TER-119
Gene ID:	104231
Species Reactivity:	Mouse
Host Species:	Rat (W1)
Clonality:	Monoclonal
Clone:	TER-119
Isotype:	IgG2b, kappa
Immunogen:	Mouse (C57BL/6) fetal liver cells
Conjugate:	Biotin

## Applications

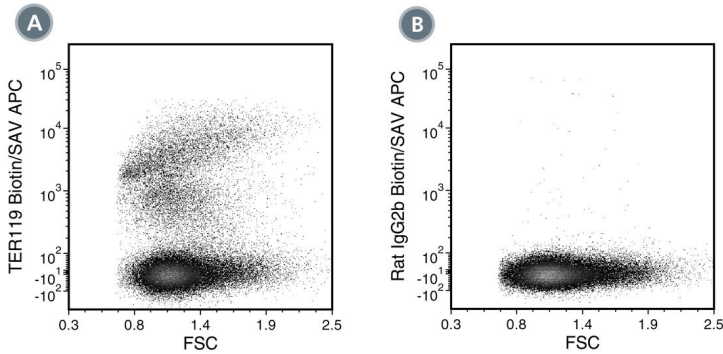
Verified:	CellSep, FC
Reported:	FC, IHC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse CD4+ T Cell Isolation Kit (Catalog #19852).

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

## Properties

Formulation:	Aqueous buffer containing 0.09% sodium azide, may contain carrier protein/stabilizer
Purification:	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use:	For flow cytometry the suggested use of this antibody is $\leq 0.5 \mu\text{g}$ per $1 \times 10^6$ cells in 100 µL volume in combination with fluorescently conjugated avidin or streptavidin. It is recommended that the antibody be titrated for optimal performance for each application.

## Data



(A) Flow cytometry analysis of C57BL/6 mouse bone marrow cells labeled with Anti-Mouse TER119 Antibody, Clone TER-119, Biotin, followed by streptavidin (SAV) APC.

(B) Flow cytometry analysis of C57BL/6 mouse bone marrow cells labeled with a biotinylated rat IgG2b, kappa isotype control antibody, followed by SAV APC.

## Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at [www.stemcell.com/antibodies](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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