Antibodies

Rat monoclonal IgG2b antibody against mouse TER119, PerCP-Cy5.5-conjugated

Catalog #60033PS #60033PS.1

| 100 µg  | 0.2 mg/mL |
| 25 µg  | 0.2 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 (WI)
Clonality: Monoclonal
Clone: TER-119
Isotype: IgG2b, kappa
Immunogen: Mouse (C57BL/6) fetal liver cells
Conjugate: PerCP-Cy5.5

Applications

Verified: FC
Reported: FC
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 PerCP-Cy5.5 under optimal conditions.
Stability and Storage: Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use: For flow cytometry the suggested use of this antibody is ≤ 0.5 µg per 1 x 10^6 cells in 100 µL volume. It is recommended that the antibody be titrated for optimal performance for each application.
Antibodies

Anti-Mouse TER119 Antibody, Clone TER-119, PerCP-Cy5.5

Data

Flow cytometry analysis of C57BL/6 mouse bone marrow cells labeled with Anti-Mouse TER119 Antibody, Clone TER-119, PerCP-Cy5.5 (filled histogram) or a rat IgG2b, kappa isotype control antibody, PerCP-Cy5.5 (solid line histogram).

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 or contact us at techsupport@stemcell.com.

References