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Technical Data Sheet

Anti-Mouse TER-119 PE

Catalog Number :81212-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: TER-119

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

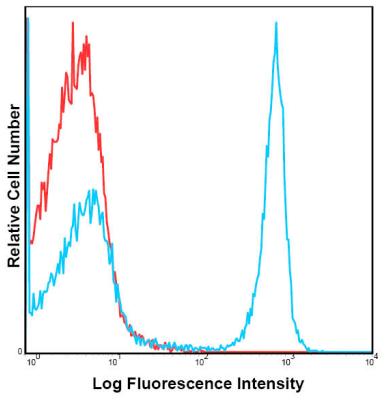
Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5



C57Bl/6 splenocytes were stained with FITC TER-119 with relevant isotype control in Red.

Isotype: Rat IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The TER-119 monoclonal antibody specifically binds to the mouse 52 kDa Glycophorin A expressed on the erythroid lineage cells, from the early proerythroblast to mature erythrocyte stages, in the fetal liver, adult bone marrow, newborn liver, yolk sac, and adult lymphoid organs.

The TER-119 antibody is used, together with other antibodies, as a marker for hematopoietic lineages cells.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. For flow cytometric staining, the suggested use of this reagent is ≤0.5 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Kina, T., Ikuta, K., Takayama, E., Wada, K., Majumdar, A. S., Weissman, I. L., Katsura, Y. (2000). The monoclonal antibody TER-119 recognizes a molecule associated with glycophorin A and specifically marks the late stages of murine erythroid lineage. British journal of haematology,;109(2), 280-287.

2. Maraskovsky, E., Brasel, K., Teepe, M., Roux, E. R., Lyman, S. D., Shortman, K., McKenna, H. J. (1996). Dramatic increase in the numbers of functionally mature dendritic cells in Flt3 ligand-treated mice: multiple dendritic cell subpopulations identified.;The Journal of experimental medicine,;184(5), 1953-1962.

3. Vannucchi, A. M., Paoletti, F., Linari, S., Cellai, C., Caporale, R., Ferrini, P. R., ... Migliaccio, A. R. (2000). Identification and characterization of a bipotent (erythroid and megakaryocytic) cell precursor from the spleen of phenylhydrazine-treated mice.;Blood,;95(8), 2559-2568.