

PE anti-human CD71

Catalog # / Size: 2270530 / 100 tests
2270525 / 25 tests

Clone: CY1G4

Isotype: Mouse IgG2a, κ

Immunogen: NALM-6 pre-B cell line

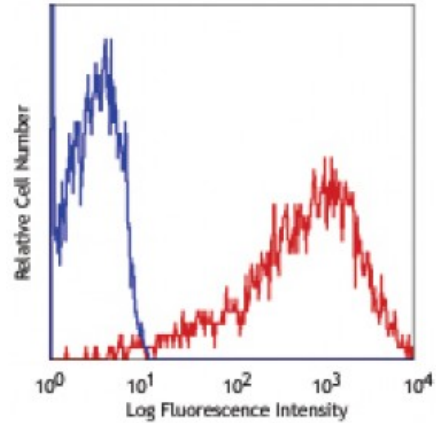
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: A015

Concentration: Lot-specific



PHA-stimulated (3 days) human peripheral blood lymphocytes stained with CY1G4 PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Perez-Quintero LA, *et al.* 2014. *J Exp Med.* 211:727. [PubMed](#)
- Ochi K, 2014. *Stem Cells Transl Med.* 3:792. [PubMed](#)
- Hollevoet K, *et al.* 2014. *Mol Cancer Ther.* 13:2040. [PubMed](#)
- Hollevoet K, *et al.* 2015. *PLoS One.* 10:122462. [PubMed](#)

Description: CD71 is a 95 kD type II homodimeric transmembrane glycoprotein also known as T9 and transferrin receptor. It is expressed on proliferating cells, reticulocytes, and erythroid precursors. CD71 plays a role in the control of cellular proliferation by facilitating the uptake of iron via ferrotransferrin binding and the recycling of apotransferrin to the cell surface.

Antigen References:

- Hentze M, *et al.* 1996. *P. Natl. Acad. Sci. USA* 93:8175.
- Trowbridge I, *et al.* 1993. *Annu. Rev. Cell Biol.* 9:129.