

PE/Cyanine7 anti-human CD71

Catalog # / Size: 2270560 / 100 tests
2270555 / 25 tests

Clone: CY1G4

Isotype: Mouse IgG2a, κ

Immunogen: NALM-6 pre-B cell line

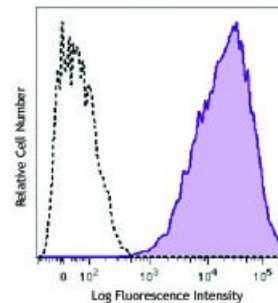
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

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

Workshop Number: A015

Concentration: Lot-specific

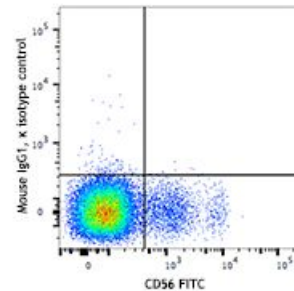


PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with CD71 (clone CY1G4) PE/Cy7 (filled histogram) or mouse IgG2a, κPE/Cy7 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application References: 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.

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