SONY

# Product Data Sheet

## 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

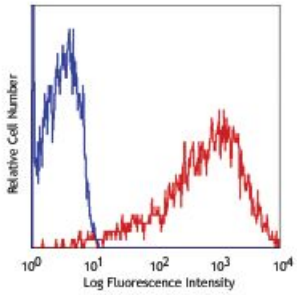
**Reactivity:** Human

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

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

**Workshop Number:** A015

**Concentration:** Lot-specific

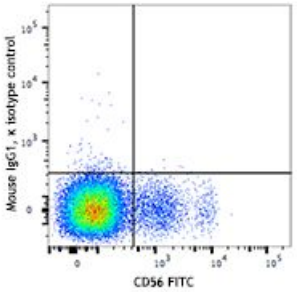



PHA-stimulated (3 days) human peripheral blood lymphocytes stained with CY1G4 PE

## 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 µl to 5 µl per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or 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.

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