

# Product Data Sheet

## FITC anti-human CD71

**Catalog # / Size:** 334103 / 25 tests  
334104 / 100 tests

**Clone:** CY1G4

**Isotype:** Mouse IgG2a,  $\kappa$

**Workshop Number:** A015

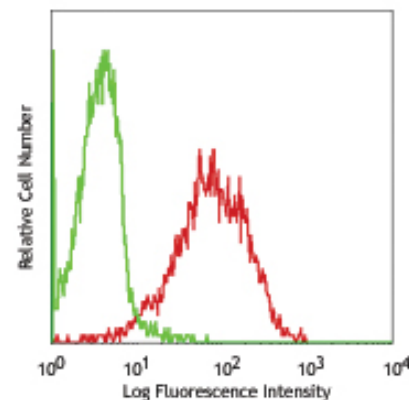
**Immunogen:** NALM-6 pre-B cell line

**Reactivity:** Human

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

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.5% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



PHA-stimulated (3 day) human peripheral blood lymphocytes stained with CY1G4 FITC

## Applications:

**Applications:** FC - Quality tested

**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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**Application References:** 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.  
2. Park YS, *et al.* 2012. *Biochem Biophys Res Commun.* 423:19. 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:** 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.

### Related Products:

FITC Rat IgG2a,  $\kappa$  Isotype Ctrl

Cell Staining Buffer

FITC Mouse IgG2a,  $\kappa$  Isotype Ctrl

Human TruStain FcX™ (Fc Receptor Blocking Solution)

### Clone

RTK2758

MOPC-173

### Application

FC, ICFC

FC, ICC, ICFC

FC, ICFC

FC, ICC, ICFC



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