
Product Data Sheet

PerCP/Cy5.5 anti-human CD71

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| Catalog # / Size: | 2270565 / 25 tests 2270570 / 100 tests | □ PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with CD71 (clone CY1G4) PerCP/Cy5.5 (filled histogram) or mouse IgG2a, κ PerCP/Cy5.5 isotype control (open histogram). |
| 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 PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 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 | |

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.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application 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.

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.