

PE/Dazzle™ 594 anti-mouse CD71

Catalog # / Size: 1169085 / 25 µg
1169090 / 100 µg

Clone: R17217

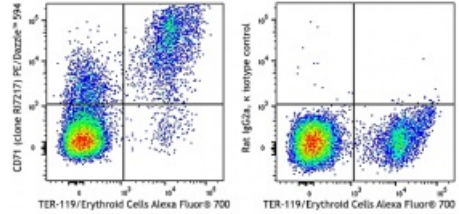
Isotype: Rat IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml



C57BL/6 mouse bone marrow cells were stained with Ter-119 Alexa Fluor® 700 and CD71 (clone R17217) PE/Dazzle™ 594 (left) or Rat IgG2a, κ (clone RTK2758) PE/Dazzle™ 594 isotype control (right).

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 ≤0.125 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

Application Notes: Additional reported applications (for the relevant formats) include: blocking of cellular proliferation.

This clone may also be known as R17217 or R17 217.

- Application References:**
1. Hentze MW, *et al.* 1996. *P. Natl. Acad. Sci. USA* 93:8175.
 2. Trowbridge IS, *et al.* 1993. *Annu. Rev. Cell Biol.* 9:129.
 3. Trowbridge I, *et al.* 1982. *J. Cell Physiol.* 112:403.
 4. K

Description: CD71 is a 95 kD type II heterodimeric transmembrane glycoprotein that is also known as T9 and transferrin receptor. CD71 is expressed on proliferating cells, reticulocytes, and erythroid precursors. Its expression is very low on resting leukocytes. 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 MW, *et al.* 1996. *P. Natl. Acad. Sci. USA* 93:8175.
 2. Trowbridge IS, *et al.* 1993. *Annu. Rev. Cell Biol.* 9:129.
 3. Trowbridge I, *et al.* 1982. *J. Cell Physiol.* 112:403.
 4. Kuhn LC, *et al.* 1984. *Cell* 37:95.

