

CD71 (Transferrin Receptor) Monoclonal Antibody (R17217 (RI7 217.1.4)), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	R17217 (RI7 217.1.4)
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465740

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	27 Publications

Product Specific Information

Description: The R17217 monoclonal antibody reacts with mouse CD71, a 170-180 kDa type II transmembrane protein. CD71, the transferrin receptor, exists as a homodimer on the cell surface and is essential for cellular growth. CD71 is expressed by immature proliferating cells and at low levels on resting mature lymphocytes. Antigen or mitogen stimulation of T and B cells upregulates the expression of CD71. Expression level differences have been observed in different mouse strains.

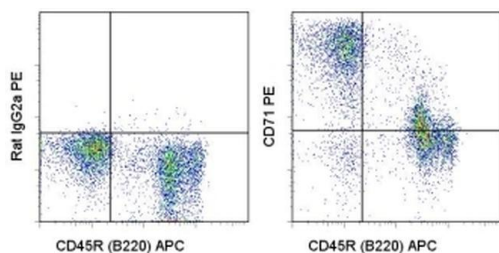
Applications Reported: The R17217 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The R17217 antibody has been tested by flow cytometric analysis of mouse splenocytes and bone marrow cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD71 (Transferrin Receptor) Monoclonal Antibody (R17217 (RI7 217.1.4)), PE, eBioscience™



CD71 (Transferrin Receptor) Antibody (12-0711-82) in Flow

Staining of C57Bl/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and 0.25 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (left) or 0.25 µg of Anti-Mouse CD71 (Transferrin Receptor) PE (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

27 References

Flow Cytometry (27)

Nature communications

Genetically engineered red cells expressing single domain camelid antibodies confer long-term protection against botulinum neurotoxin.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 12-0711-82) in Flow Cytometry"

Authors: Huang NJ, Pishesha N, Mukherjee J, Zhang S, Deshycka R, Sudaryo V, Dong M, Shoemaker CB, Lodish HF

Species

Mouse
Not Applicable

Dilution

1:100
Not Cited

Year

2017

Cell

Vitamin A-Retinoic Acid Signaling Regulates Hematopoietic Stem Cell Dormancy.

Authors: Cabezas-Wallscheid N, Buettner F, Sommerkamp P, Klimmeck D, Ladell L, Thalheimer FB, Pastor-Flores D, Roma LP, Renders S, Zeisberger P, Przybylla A, Schönberger K, Scognamiglio R, Altamura S, Florian CM, Fawaz M, Vonficht D, Tesio M, Collier P, Pavlinic D, Geiger H, Schroeder T, Benes V, Dick TP, Rieger MA, Stegle O, Trumpp A

Species

Mouse

Dilution

Not Cited

Year

2017

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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