

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

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	R17217 (RI7 217.1.4)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466501

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	19 Publications

Product Specific Information

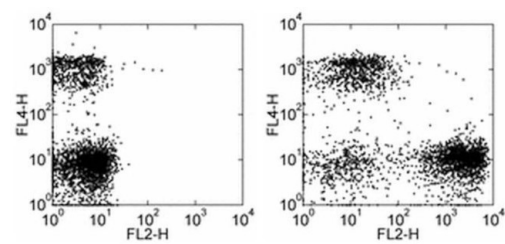
Description: The R17217 monoclonal antibody reacts with mouse CD71, a 170-180 kDa type II transmembrane protein. CD71, the transferrin receptor, exists as a homodimer on the cell surface and is essential for cellular growth. CD71 is expressed by immature proliferating cells and at low levels on resting 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: This R17217 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 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 0.25 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD71 (Transferrin Receptor) Antibody (13-0711-82) in Flow
Staining of C57BL/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and 0.125 µg of Rat IgG2a K Isotype Control Biotin (Product # 13-4321-82) (left) or 0.125 µg of Anti-Mouse CD71 (Transferrin Receptor) Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.com

20 References

Western Blot (1)

Life science alliance

A high-content endogenous GLUT4 trafficking assay reveals new aspects of adipocyte biology.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 13-0711-82) in Western Blot"

Authors: Diaz-Vegas A,Norris DM,Jall-Rogg S,Cooke KC,Conway OJ,Shun-Shion AS,Duan X,Potter M,van Gerwen J, Baird HJ,Humphrey SJ,James DE,Fazakerley DJ,Burchfield JG

Year
2023

Flow Cytometry (19)

PloS one

Engineered red blood cells carrying PCSK9 inhibitors persistently lower LDL and prevent obesity.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 13-0711-82) in Flow Cytometry"

Authors: Deshycka R,Sudaryo V,Huang NJ,Xie Y,Smeding LY,Choi MK,Ploegh HL,Lodish HF,Pishesha N

Year
2021

Nucleic acids research

NSMF promotes the replication stress-induced DNA damage response for genome maintenance.

"Published figure using CD71 (Transferrin Receptor) monoclonal antibody (Product # 13-0711-82) in Flow Cytometry"

Authors: Ju MK,Shin KJ,Lee JR,Khim KW,A Lee E,Ra JS,Kim BG,Jo HS,Yoon JH,Kim TM,Myung K,Choi JH,Kim H, Chae YC

Year
2021

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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