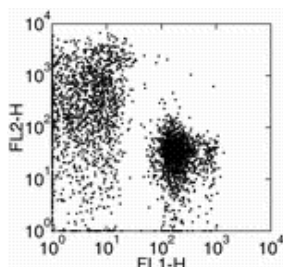


Anti-Mouse CD71 (Transferrin Receptor) Purified

Catalog Number: 14-0711

Also Known As: TFRC

RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining of mouse bone marrow with Anti-Mouse CD71 PE (cat. 12-0711) and Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452). Cells in the lymphoid population were used for analysis.

Product Information

Contents: Anti-Mouse CD71 (Transferrin Receptor) Purified

REF **Catalog Number:** 14-0711

Clone: R17217 (RI7 217.1.4)

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Contains sodium azide

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. R17217 has also been reported in functional studies. (Please use Functional Grade purified R17217, cat. 16-0711, in functional assays.)

Applications Tested

The R17217 antibody has been tested by flow cytometric analysis of mouse splenocyte and bone marrow suspensions. 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.

References

Lesley J, Hyman R, Schulte R, Trotter J. Expression of transferrin receptor on murine hematopoietic progenitors. *Cell Immunol.* 1984 Jan;83(1):14-25.

Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

17-4317 Streptavidin APC