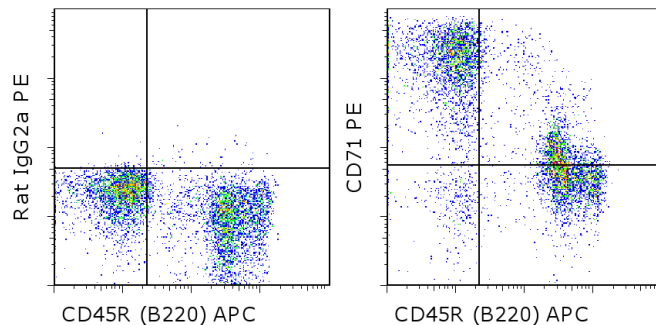


## Anti-Mouse CD71 (Transferrin Receptor) PE

**Catalog Number:** 12-0711

**Also known as:** TFRC

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



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

### Product Information

**Contents:** Anti-Mouse CD71 (Transferrin Receptor) PE

**REF** **Catalog Number:** 12-0711

**Clone:** R17217 (R17 217.1.4)

**Concentration:** 0.2 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. Do not freeze. Light sensitive material.

**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.

### 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  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  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

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

17-0452 Anti-Human/Mouse CD45R (B220) APC (RA3-6B2)

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