

Product Information

Contents: Phycoerythrin (PE) anti-mouse CD71 (Transferrin Receptor)

Catalog Number: 12-0711

Sizes: 50 ug, 100 ug, 200 ug

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

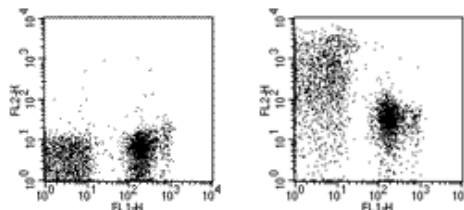
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: R17217

Isotype: Rat IgG2a, κ



Staining of C57Bl/6 bone marrow cells with FITC anti-CD45R/B220 (cat. 11-0452) and 0.25 µg of PE rat IgG2a isotype control (cat. 12-4321) (left) or 0.25 µg of PE R17217 (right). Cells in the small scatter population were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0711	FITC anti-mouse CD71 (Transferrin Receptor)	488	518	FC
12-0711	PE anti-mouse CD71 (Transferrin Receptor)	488	575	FC
13-0711	Coming Soon! - Biotin anti-mouse CD71 (Transferrin Receptor)	N/A	N/A	FC
14-0711	Affinity Purified anti-mouse CD71 (Transferrin Receptor)	N/A	N/A	FA FC
16-0711	Functional Grade* Purified anti-mouse CD71 (Transferrin Receptor)	N/A	N/A	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.

Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. 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 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

- Cat. 11-0711 FITC anti-mouse CD71 (Transferrin Receptor) (clone R17217)
- Cat. 14-0711 Affinity Purified anti-mouse CD71 (Transferrin Receptor) (clone R17217)
- Cat. 16-0711 Functional Grade Purified anti-mouse CD71 (Transferrin Receptor) (clone R17217)
- Cat. 12-4321 PE Rat IgG2a Isotype Control

References

Lesley, J., R. Hyman, et al. (1984). "Expression of transferrin receptor on murine hematopoietic progenitors." Cell Immunol 83(1): 14-25.

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