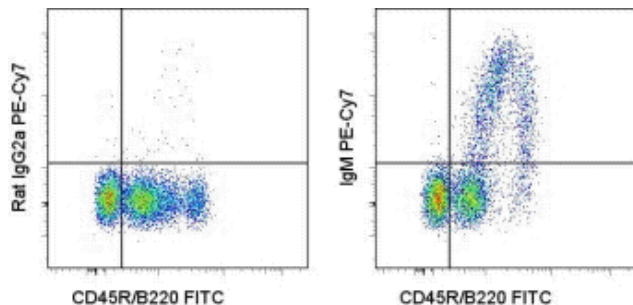


Anti-Mouse IgM PE-Cyanine7

Catalog Number: 25-5790

Also Known As: Immunoglobulin M

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



Staining of C57BL/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.06 μ g of Rat IgG2a K Isotype Control PE-Cyanine7 (cat. 25-4321) (left) or 0.06 μ g of Anti-Mouse IgM PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse IgM PE-Cyanine7

REF **Catalog Number:** 25-5790

Clone: II/41

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Contains sodium azide

Description

The II/41 monoclonal antibody reacts with the μ heavy chain of mouse IgM. It does not react with other classes of mouse immunoglobulin including IgD, IgG or IgA. IgM is expressed intracellularly, during early stages of B lymphopoiesis, and then on the surface of more mature B cells in the bone marrow and peripheral B cells. Fluorochrome conjugated II/41 can be used as a detection secondary for mouse IgM.

Applications Reported

This II/41 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This II/41 antibody has been tested by flow cytometric analysis of mouse spleen cell suspensions. This can be used at less than or equal to 0.125 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

Laszlo G, Hathcock KS, Dickler HB, Hodes RJ. 1993. Characterization of a novel cell-surface molecule expressed on subpopulations of activated T and B cells. J Immunol. 150(12):5252-62.

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

12-5890 Anti-Mouse IgM PE (eB121-15F9)

25-4321 Rat IgG2a K Isotype Control PE-Cyanine7 (eBR2a)

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