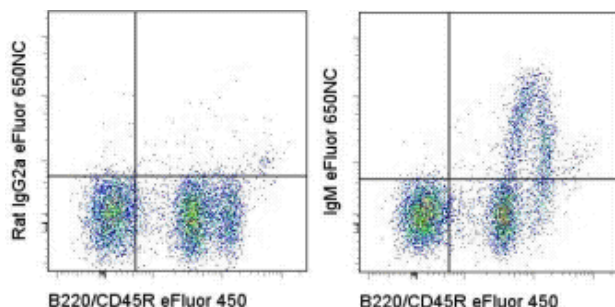


Anti-Mouse IgM eFluor® 650NC

Catalog Number: 95-5790

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) eFluor® 450 (cat. 48-0452) and Rat IgG2a K Isotype Control eFluor® 650NC ((cat. 95-4321) (left) or Anti-Mouse IgM eFluor® 650NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse IgM eFluor® 650NC

REF **Catalog Number:** 95-5790

Clone: II/41

Concentration: 5 uL

Host/Isotype: Rat IgG2a, kappa

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

Temperature Limitation: Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains 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 pre-titrated and tested by flow cytometric analysis of mouse bone marrow cells. This can be used at 5 μ L 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.

The isotype control eFluor® 650NC rat IgG2a (cat. 95-4321) should be used at 5 uL/test.

Laser/Filter Recommendation: When using eFluor 650NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 630 LP dichroic mirror with the 660/40 bandpass filter. The eFluor 650NC can be minimally excited off of the 633 nm laser, and because its peak emission is 650nm, it will require some compensation out of the APC detector.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 uL. (100 uL cells + 100 uL IC Fixation Buffer (cat. 00-8222)) and the exposure time at 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

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

00-4222 Flow Cytometry Staining Buffer

48-0452 Anti-Human/Mouse CD45R (B220) eFluor® 450 (RA3-6B2)

93-0193 Anti-Mouse CD19 eFluor® 605NC (eBio1D3 (1D3))

93-0452 Anti-Human/Mouse CD45R (B220) eFluor® 605NC (RA3-6B2)
95-4321 Rat IgG2a K Isotype Control eFluor® 650NC (eBR2a)

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

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