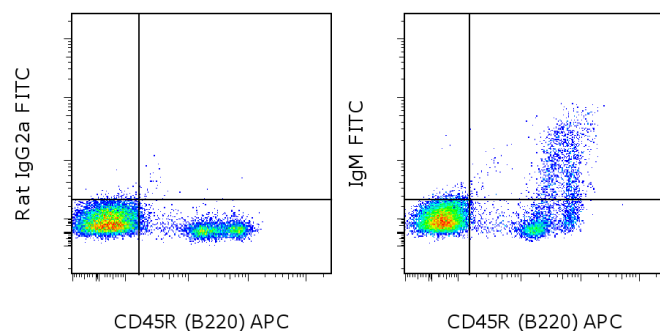


Anti-Mouse IgM FITC

Catalog Number: 11-5790

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) APC (cat. 17-0452) and 0.125 ug of Rat IgG2a K Isotype Control FITC (cat. 11-4321) (left) or 0.125 ug of Anti-Mouse IgM FITC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse IgM FITC

REF **Catalog Number:** 11-5790

Clone: II/41

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. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



LOT



Description

The II/41 monoclonal antibody reacts with the mu 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

The II/41 antibody has been reported for use in flow cytometric analysis, immunohistochemical staining, and immunocytochemistry.

Applications Tested

This II/41 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.25 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

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

00-4300 10X RBC Lysis Buffer (Multi-species)

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)

11-5890 Anti-Mouse IgM FITC (eB121-15F9)

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

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