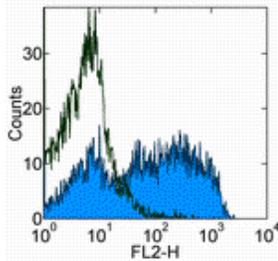


Anti-Mouse IgM Purified

Catalog Number: 14-5790

Also Known As: Immunoglobulin M

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



Staining of C57BL/6 splenocytes with 0.5 ug of Rat IgG2a kappa Isotype Control Purified (cat. 14-4321) (open histogram) or 0.5 ug of Anti-Mouse IgM Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse IgM Purified

REF **Catalog Number:** 14-5790

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.



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

The II/41 antibody has been reported for use in flow cytometric analysis, immunohistochemical staining of frozen tissue sections, and ELISA.

Applications Tested

The II/41 antibody has been tested by flow cytometric analysis of mouse spleen cell suspension. This can be used at less than or equal to 1 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.

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

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
11-5890 Anti-Mouse IgM FITC (eB121-15F9)
12-4317 Streptavidin PE
12-5890 Anti-Mouse IgM PE (eB121-15F9)
13-4813 Anti-Rat IgG Biotin (Polyclonal)
13-5890 Anti-Mouse IgM Biotin (eB121-15F9)
14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)
14-5890 Anti-Mouse IgM Purified (eB121-15F9)
17-4317 Streptavidin APC

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