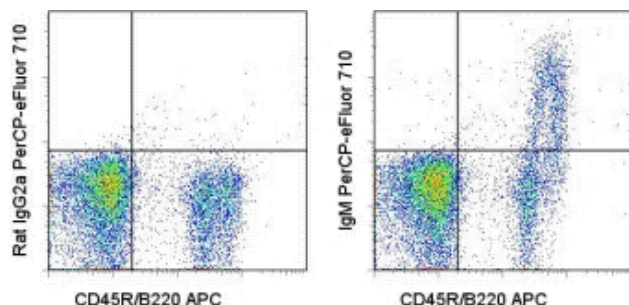


Anti-Mouse IgM PerCP-eFluor® 710

Catalog Number: 46-5790

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 0.25 ug of Rat IgG2a K Isotype Control PerCP-eFluor® 710 (cat. 46-4321) (left) or 0.25 ug of Anti-Mouse IgM PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse IgM PerCP-eFluor® 710

REF **Catalog Number:** 46-5790

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.



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 tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.5 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click [here](#) or contact eBioscience Technical Support for more information on eFluor® Organic Dyes including PerCP-eFluor® 710.

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

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

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor® 710 (eBR2a)

