full spectrum cell analysis®
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Anti-Mouse MHC Class II (I-A) PE

Catalog Number: 12-5322

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

Product Information

Contents: Anti-Mouse MHC Class II (I-A) PE

REF **Catalog Number:** 12-5322

Clone: NIMR-4

Concentration: 0.1 mg/mL

Host/Isotype: Rat IgG2b

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.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The monoclonal antibody NIMR-4 reacts specifically with a non-polymorphic I-A-encoded epitope on MHC Class II antigens. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells and certain epithelial cells. MHC Class II molecules are important for the selection of the TCR repertoire during the processes of positive and negative selection. MHC Class II expression is required for the positive selection of CD4+ T cells.

Applications Reported

This NIMR-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This NIMR-4 antibody has been tested by flow cytometric analysis of mouse splenocytes. 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 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

Mielenz, D., C. Vetterman, M. Hampel, C. Lang, A. Avramidou, M. Karas, and H. Jack. 2005. Lipid rafts associate with intracellular B cell receptors and exhibit a B cell stage-specific protein composition. J. Immunol. 174: 3508-3517. (NIMR-4, FC, FA, PubMed)

Related Products

12-4031 Rat IgG2b K Isotype Control PE

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