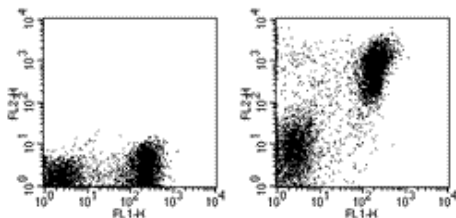


Anti-Mouse MHC Class II (I-A/I-E) PE

Catalog Number: 12-5321

Also Known As: MHC II, IA, IE, I-A/E, IA/IE

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and staining buffer (autofluorescence) (left) or 0.0075 ug of Anti-Mouse MHC Class II (I-A/I-E) PE (right). Total viable cells were used for analysis.

Product Information

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

REF **Catalog Number:** 12-5321

Clone: M5/114.15.2

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, 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 M5/114.15.2 monoclonal antibody reacts with the mouse major histocompatibility complex class II, both I-A and I-E subregion-encoded glycoproteins (I-A b, I-A d, I-A q, I-E d, I-E k, not I-A f, I-A k, or I-A s). It detects a polymorphic determinant present on B cells, monocytes, macrophages, dendritic cells, and activated T lymphocytes from mice carrying the H-2 b, H-2 d, H-2 q, H-2 p, H-2 r and H-2 u but not from mice carrying the H-2 s or H-2 f haplotypes. The M5/114 mAb is reported to inhibit I-A-restricted T cell responses of the H-2 b, H-2 d, H-2 q, H-2 u but not H-2 f, H-2 k, or H-2 s haplotypes.

Applications Reported

M5/114.15.2 has been reported for use in flow cytometric analysis.

Applications Tested

The M5/114.15.2 antibody has been tested by flow cytometric analysis of mouse splenocyte suspension and can be used at less than or equal to 0.02 µg per test. A test is defined as the amount (µg)/test 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

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Bhattacharya, A., M. E. Dorf, et al. 1981. A shared alloantigenic determinant on Ia antigens encoded by the I-A and I-E subregions: evidence for I region gene duplication. J Immunol 127(6): 2488-95.

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

12-4031 Rat IgG2b K Isotype Control PE

48-0031 Anti-Mouse CD3e eFluor® 450 (145-2C11)

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