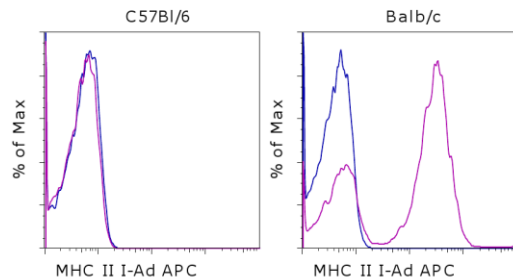


Anti-Mouse MHC Class II I-Ad APC

Catalog Number: 17-5323

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



Staining of C57Bl/6 (left) and Balb/c (right) splenocytes with 0.125 ug of Mouse IgG2b k Isotype Control APC (cat. 17-4732) (blue histogram) or 0.125 ug of Anti-Mouse MHC Class II I-Ad APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class II I-Ad APC

REF **Catalog Number:** 17-5323

Clone: AMS-32.1

Concentration: 0.2 mg/mL

Host/Isotype: Mouse 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



LOT



Description

This AMS-32.1 monoclonal antibody reacts with the mouse MHC Class II I-Ad alloantigen, which is present on mouse strains such as Balb/c and DBA/2. This antibody also recognizes the H-2f, H-2g7, H-2i, and H-2v haplotypes. However, reactivity to other haplotypes (e.g., b, k, p, q, r, s, and u) has not been observed.

Applications Reported

This AMS-32.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AMS-32.1 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Yi W, Seth NP, Martillotti T, Wucherpfennig KW, Sant'Angelo DB, Denzin LK. Targeted regulation of self-peptide presentation prevents type I diabetes in mice without disrupting general immunocompetence. *J Clin Invest.* 2010 Apr 1;120(4):1324-36. (**AMS-32.1**, FC)

Martinic MM, Rüllicke T, Althage A, Odermatt B, Höchli M, Lamarre A, Dumrese T, Speiser DE, Kyburz D, Hengartner H, Zinkernagel RM. Efficient T cell repertoire selection in tetraparental chimeric mice independent of thymic epithelial MHC. *Proc Natl Acad Sci U S A.* 2003 Feb 18;100(4):1861-6. (**AMS-32.1**, IHC-frozen)

Lorber MI, Loken MR, Stall AM, Fitch FW. I-A antigens on cloned alloreactive murine T lymphocytes are acquired passively. *J Immunol.* 1982 Jun;128(6):2798-803. (**AMS-32.1**, FC)

Related Products

17-4732 Mouse IgG2b K Isotype Control APC

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