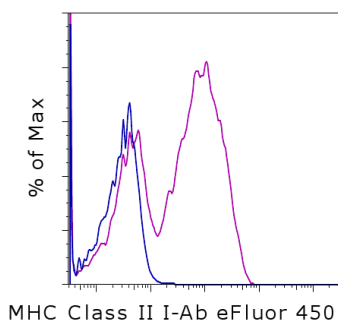


Anti-Mouse MHC Class II I-Ab eFluor® 450

Catalog Number: 48-5320

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



Staining of C57Bl/6 splenocytes with 0.5 ug of Mouse IgG2a K Isotype Control eFluor® 450 (cat. 48-4724) (blue histogram) or 0.5 ug of Anti-Mouse MHC Class II I-Ab eFluor® 450 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class II I-Ab eFluor® 450

Catalog Number: 48-5320

Clone: AF6-120.1

Concentration: 0.2 mg/mL

Host/Isotype: Mouse 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

Description

This AF6-120.1.2 monoclonal antibody reacts with the mouse MHC Class II I-Ab alloantigen of H-2b bearing mouse strains, including C57Bl/6 and 129. This cell surface molecule is involved in antigen presentation to T cells expressing CD3/TCR and CD4.

The AF6-120.1 antibody crossreacts with H-2k and H-2u haplotypes. However, reactivity to other haplotypes (i.e., d, f, g7, p, q, r, and s) has not been observed.

Applications Reported

This AF6-120.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AF6-120.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 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.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

References

Barber CL, Montecino-Rodriguez E, Dorshkind K. Reduced production of B-1-specified common lymphoid progenitors results in diminished potential of adult marrow to generate B-1 cells. Proc Natl Acad Sci U S A. 2011 Aug 16;108(33):13700-4. (**AF6-120.1**, FC, PubMed)

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. (**AF6-120.1**, FC)

Related Products

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48-4724 Mouse IgG2a K Isotype Control eFluor® 450

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