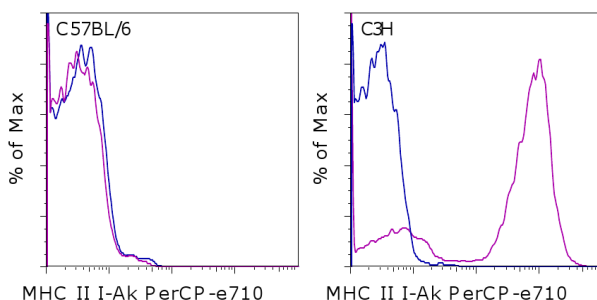


Anti-Mouse MHC Class II (I-Ak) PerCP-eFluor® 710

Catalog Number: 46-5933


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



Staining of C57BL/6 (left) and C3H (right) splenocytes with 0.06 ug of Mouse IgG2a K Isotype Control PerCP-eFluor® 710 (cat. 46-4724) (blue histogram) or 0.06 ug of Anti-Mouse MHC Class II (I-Ak) PerCP-eFluor® 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class II (I-Ak)
PerCP-eFluor® 710

 **Catalog Number:** 46-5933

Clone: 10-3.6

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



LOT



Description

This 10-3.6 monoclonal antibody reacts with the beta chain of the mouse MHC Class II I-Ak alloantigen. This antibody also recognizes mouse strains with H-2f, H-2r, and H-2s haplotypes. Reactivity to other haplotypes (e.g., b, d, p, and q) has not been observed.

The 10-3.6 antibody has been reported to be effective in preventing and treating experimental autoimmune encephalomyelitis (EAE).

Applications Reported

This 10-3.6 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 10-3.6 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.

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

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Tian C, Bagley J, Cretin N, Seth N, Wucherpfennig KW, Iacomini J. Prevention of type 1 diabetes by gene therapy. J Gene Med. 2003 May;5(5):359-65. (**10-3.6**, FC)

Youssef S, Stüve O, Patarroyo JC, Ruiz PJ, Radosevich JL, Hur EM, Bravo M, Mitchell DJ, Sobel RA, Steinman L, Zamvil SS. The HMG-CoA reductase inhibitor, atorvastatin, promotes a Th2 bias and reverses paralysis in central nervous system autoimmune disease. Nature. 2002 Nov 7;420(6911):78-84. (**10-3.6**, FC)

Sriram S, Carroll L. Haplotype-specific inhibition of homing of radiolabeled lymphocytes in experimental allergic encephalomyelitis following treatment with anti-IA antibodies. Cell Immunol. 1991 Jun;135(1):222-31. (**10-3.6**, FC, FA)

Related Products

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710

46-5324 Anti-Mouse MHC Class II I-Ak (alpha) PerCP-eFluor® 710 (11-5.2)

48-5320 Anti-Mouse MHC Class II I-Ab eFluor® 450 (AF6-120.1)