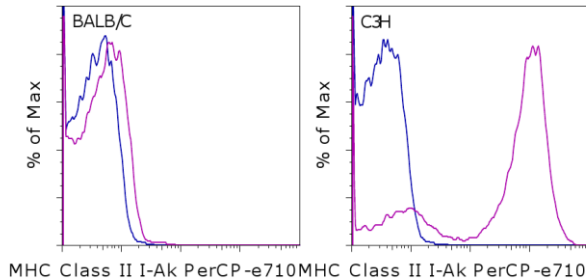


Anti-Mouse MHC Class II I-Ak (alpha) PerCP-eFluor[®] 710

Catalog Number: 46-5324

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



Staining of BALB/c (left) and C3H (right) splenocytes with 0.125 ug of Mouse IgG2b K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4732) (blue histogram) or 0.125 ug of Anti-Mouse MHC Class II I-Ak (alpha) PerCP-eFluor[®] 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class II I-Ak (alpha) PerCP-eFluor[®] 710
Catalog Number: 46-5324
Clone: 11-5.2
Concentration: 0.2 mg/mL
Host/Isotype: Mouse IgG2b, kappa

REF



LOT



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 11-5.2 monoclonal antibody reacts with the alpha chain of the mouse MHC Class II I-Ak alloantigen. This antibody also recognizes mouse strains with the H-2f haplotype. Reactivity to other haplotypes (e.g., b, d, f, p, q, and s) has not been observed.

Applications Reported

This 11-5.2 antibody has been reported for use in flow cytometric analysis and functional assays.

Applications Tested

This 11-5.2 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

Blander JM, Medzhitov R. Toll-dependent selection of microbial antigens for presentation by dendritic cells. Nature. 2006 Apr 6;440(7085):808-12. (11-5.2, ICC)

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info@ebioscience.com

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Li YS, Kanamoto N, Hataya Y, Moriyama K, Hiratani H, Nakao K, Akamizu T. Transgenic mice producing major histocompatibility complex class II molecules on thyroid cells do not develop apparent autoimmune thyroid diseases. *Endocrinology*. 2004 May;145(5):2524-30. (11-5.2, FC)

Sprent J, Lerner EA, Bruce J, Symington FW. Inhibition of T cell activation in vivo with mixtures of monoclonal antibodies specific for I-A and I-A/E molecules. *J Exp Med*. 1981 Jul 1;154(1):188-92. (11-5.2, FA)

Related Products

46-4732 Mouse IgG2b K Isotype Control PerCP-eFluor® 710

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