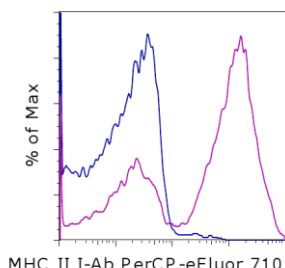


## Anti-Mouse MHC Class II I-Ab PerCP-eFluor<sup>®</sup> 710

**Catalog Number:** 46-5320


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



Staining of C57Bl/6 splenocytes with 0.25  $\mu$ g of Mouse IgG2a kappa Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4724) (blue histogram) or 0.25  $\mu$ g of Anti-Mouse MHC Class II I-Ab PerCP-eFluor<sup>®</sup> 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Mouse MHC Class II I-Ab PerCP-eFluor<sup>®</sup> 710

 **Catalog Number:** 46-5320

**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



 **LOT**



### 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 C57Bl/6 splenocytes. This can be used at less than or equal to 0.5  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 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<sup>®</sup> 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<sup>™</sup> Organic Dyes including PerCP-eFluor<sup>®</sup> 710.

### References

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) • [info@ebioscience.com](mailto:info@ebioscience.com)

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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

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