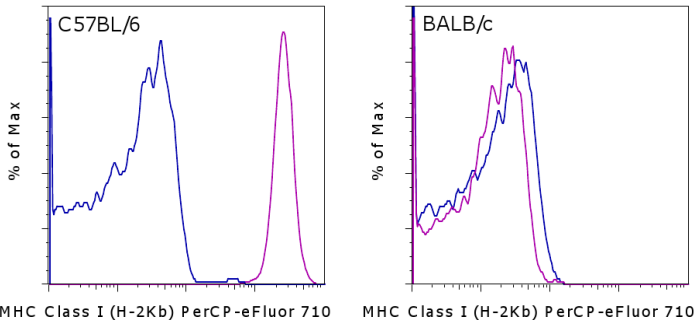


## Anti-Mouse MHC Class I (H-2Kb) PerCP-eFluor<sup>®</sup> 710

Catalog Number: 46-5958

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



Staining of C57BL/6 (left) or BALB/c (right) splenocytes with 0.25  $\mu$ g of Mouse IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4724) (blue histogram) or 0.25  $\mu$ g of Anti-Mouse MHC Class I (H-2Kb) PerCP-eFluor<sup>®</sup> 710 (purple histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse MHC Class I (H-2Kb) PerCP-eFluor<sup>®</sup> 710

**REF** **Catalog Number:** 46-5958

**Clone:** AF6-88.5.5.3

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Mouse IgG2a

**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 AF6-88.5.5.3 monoclonal antibody reacts with the H-2Kb MHC class I alloantigen. H-2Kb is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. d, f, j, k, p, q, r, s, u, and v) has not been observed.

### Applications Reported

This AF6-88.5.5.3 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This AF6-88.5.5.3 antibody has been tested by flow cytometric analysis of mouse 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

Wall KA, Lorber MI, Loken MR, McClatchey S, Fitch FW. Inhibition of proliferation of MIs- and Ia-reactive cloned T cells by a monoclonal antibody against a determinant shared by I-A and I-E. J Immunol. 1983 Sep;131(3):1056-64. (AF6-88.5.5.3, FC, Pubmed)

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**Related Products**

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710

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