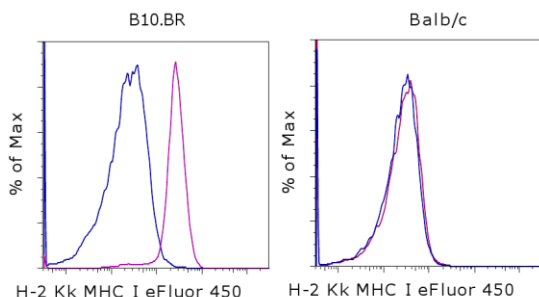


Anti-Mouse MHC Class I (H-2Kk) eFluor[®] 450

Catalog Number: 48-5940

Also known as: MHC I, H2Kk, H2-Kk, H2K-k

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



Staining of splenocytes from B10.BR (left) and Balb/c (right) mice with 0.5 ug of Mouse IgG1 kappa Isotype Control eFluor[®] 450 (cat. 48-4714) (blue histogram) or 0.5 ug of Anti-Mouse MHC Class I H-2Kk eFluor[®] 450 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class I (H-2Kk) eFluor[®] 450

REF **Catalog Number:** 48-5940

Clone: AF3-12.1.3

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1

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.

LOT **Batch Code:** Refer to vial

Use By: Refer to vial

Description

This AF3-12.1.3 monoclonal antibody reacts with the H-2Kk MHC class I alloantigen, which is involved in antigen presentation to T cells expressing CD3/TCR and CD8. Reactivity to other haplotypes (e.g. b, f, j, k, p, q, r, s, u, and v) has not been observed.

Applications Reported

This AF3-12.1.3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AF3-12.1.3 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 fluorochrome.

References

Burrows GG, Ariail K, Celnik B, Gambée JE, Bebo BF Jr, Offner H, Vandenbark AA. Variation in H-2K(k) peptide motif revealed by sequencing naturally processed peptides from T-cell hybridoma class I molecules. *J Neurosci Res.* 1996 Sep 15;45(6):803-11. (AF3-12.1.3, FC)

Related Products

48-4714 Mouse IgG1 K Isotype Control eFluor[®] 450 (P3.6.2.8.1)

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