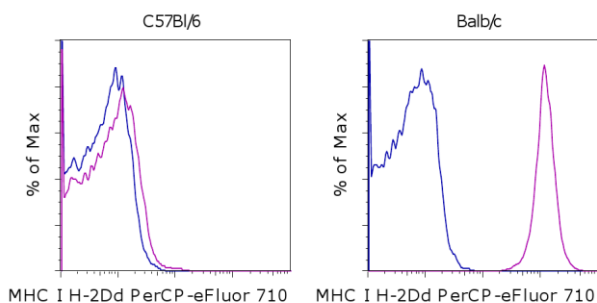


## Anti-Mouse MHC Class I H-2Dd PerCP-eFluor<sup>®</sup> 710

Catalog Number: 46-5947

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



Staining of C57BL/6 (left) or Balb/c (right) splenocytes with 0.06 ug of Mouse IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4724) (blue histogram) or 0.06 ug of Anti-Mouse MHC Class I (H-2Dd) PerCP-eFluor<sup>®</sup> 710 (purple histogram). Total viable cells were used for analysis.

### Product Information

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

**REF** **Catalog Number:** 46-5947

**Clone:** 34-2-12

**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 34-2-12 monoclonal antibody reacts with the alpha 3 domain of the mouse MHC Class I H-2 alloantigen. This antibody also recognizes the C3H.LF/Ckc mouse strain. However, reactivity to other haplotypes (e.g., b, f, k, p, q, r, and s) has not been observed.

The 34-2-12 antibody has been reported to have blocking activity.

### Applications Reported

This 34-2-12 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 34-2-12 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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 10<sup>5</sup> to 10<sup>8</sup> 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

Shimizu I, Kawahara T, Haspot F, Bardwell PD, Carroll MC, Sykes M. B-cell extrinsic CR1/CR2 promotes natural

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## Anti-Mouse MHC Class I H-2Dd PerCP-eFluor® 710

**Catalog Number:** 46-5947

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antibody production and tolerance induction of anti-alphaGAL-producing B-1 cells. *Blood*. 2007 Feb 15;109(4):1773-81. (34-2-12, FC)

S D'Costa and JL Hurwitz. Antibody and pre- plus post-transplant prednisone treatments support T cell-depleted stem cell engraftment without drug-induced morbidity. *Bone Marrow Transplant*. 2002 Apr;29(7):553-6. (34-2-12, FC)

Kane KP. Ly-49 mediates EL4 lymphoma adhesion to isolated class I major histocompatibility complex molecules. *J Exp Med*. 1994 Mar 1;179(3):1011-5. (34-2-12, FA (blocking))

Thor G, Sepulveda H, Chada S, Dutton RW. Monoclonal antibody that distinguishes between a phosphorylated, beta 2-microglobulin-associated, and a free, nonphosphorylated, chain of MHC class I. *J Immunol*. 1993 Jul 1;151(1):211-24. (34-2-12, IP)

Potter TA, Palladino MA, Wilson DB, Rajan TV. Epitopes on H-2Dd somatic cell mutants recognized by cytotoxic T cells. *J Exp Med*. 1983 Oct 1;158(4):1061-76. (34-2-12, FC)

### Related Products

48-4724 Mouse IgG2a K Isotype Control eFluor® 450

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