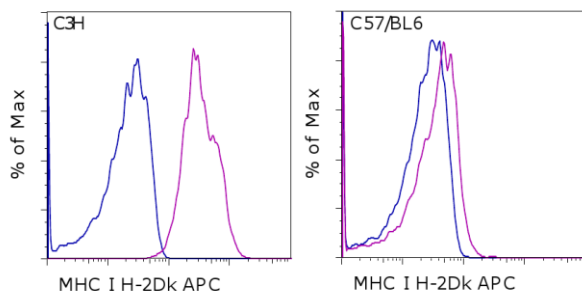


Anti-Mouse MHC Class I H-2Dk APC

Catalog Number: 17-5946

Also known as: MHC I, H2Dk, H2-Dk

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



Staining of C3H (left) and C57BL/6 (right) splenocytes with 0.5 μ g of Mouse IgG2a kappa Isotype Control APC (cat. 17-4724) (blue histogram) or 0.5 μ g of Anti-Mouse MHC Class I H-2Dk APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse MHC Class I H-2Dk APC

REF **Catalog Number:** 17-5946

Clone: 15-5-5

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



Description

This 15-5-5 monoclonal antibody reacts with mouse MHC Class I H-2Dk alloantigen. This cell surface molecule is involved in antigen presentation to T cells expressing CD3/TCR and CD4.

The 15-5-5 antibody crossreacts with the H-2Kd and H-2f haplotypes. However, reactivity to other haplotypes (i.e., a, b, p, q, r, and s) has not been observed. Moreover, this antibody has been reported to be cytotoxic to H-2Dk cells.

Applications Reported

This 15-5-5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 15-5-5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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.

References

Tsuji H, Kawaguchi S, Wada T, Nagoya S, Inobe M, Yagita H, Okumura K, Yamashita T, Uede T. Concurrent induction of T-cell activation and apoptosis of osteosarcoma cells by adenovirus-mediated B7-1/Fas chimeric gene transfer. *Cancer Gene Ther.* 2003 Sep;10(9):717-25. (**15-5-5**, FC)

Ward PL, Koeppen HK, Hurteau T, Rowley DA, Schreiber H. Major histocompatibility complex class I and unique antigen expression by murine tumors that escaped from CD8+ T-cell-dependent surveillance. *Cancer Res.* 1990 Jul 1;50(13):3851-8. (**15-5-5**, FC)

Ozato K, Mayer N, Sachs DH. Hybridoma cell lines secreting monoclonal antibodies to mouse H-2 and Ia antigens. *J Immunol.* 1980 Feb;124(2):533-40. (**15-5-5**, FA)

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Related Products

17-4724 Mouse IgG2a K Isotype Control APC

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