
Anti-Mouse MHC Class I (H-2Db) Purified

Catalog Number: 14-5999

Also Known As: MHCI, H2Db

RUO: For Research Use Only

Product Information

Contents: Anti-Mouse MHC Class I (H-2Db) Purified

REF **Catalog Number:** 14-5999

Clone: 28-14-8

Concentration: 0.5 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.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The 28-14-8 monoclonal antibody reacts with the mouse MHC class I, H-2D^b, and cross-reacts with H-2L^d, H-2D^a and/or H-2L^a. Binding of 28-14-8 to the alpha 3 domain of H-2L^d is not dependent on β_2 -microglobulin.

Applications Reported

28-14-8 has been reported for use in flow cytometric analysis, immunohistochemical staining of frozen mouse tissue sections, immunoprecipitation and complement-dependent cytotoxicity.

Applications Tested

The 28-14-8 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions and 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Ozato, K., T. H. Hansen, et al. (1980). Monoclonal antibodies to mouse MHC antigens. II. Antibodies to the H-2Ld antigen, the products of a third polymorphic locus of the mouse major histocompatibility complex. *J Immunol* 125(6): 2473-7.

Ozato, K., N. Mayer, et al. (1980). Hybridoma cell lines secreting monoclonal antibodies to mouse H-2 and Ia antigens. *J Immunol* 124 (2): 533-40.

Related Products

11-4011 Anti-Mouse IgG FITC

14-4724 Mouse IgG2a K Isotype Control Purified

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