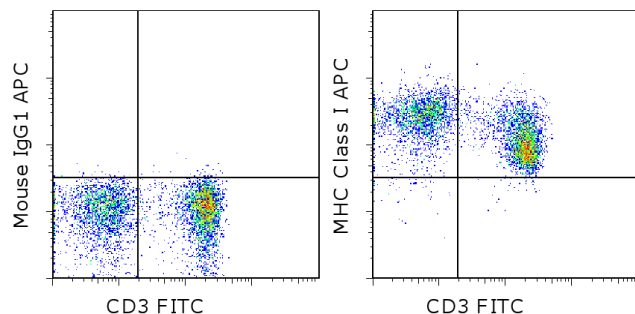


Anti-Rat MHC Class I (RT1-A) APC

Catalog Number: 17-0921

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



Staining of rat splenocytes with Anti-Rat CD3 FITC (cat. 11-0030) and 0.25 ug of Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or 0.25 ug of Anti-Rat MHC Class I (RT1-A) APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Rat MHC Class I (RT1-A) APC



Catalog Number: 17-0921

Clone: OX18

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1, 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 OX18 monoclonal antibody recognizes a non-polymorphic determinant of rat MHC Class I, which is also known as RT1-A. Rat MHC Class I is expressed on all nucleated cells and erythrocytes.

The OX18 antibody has been reported to have functional activity.

Applications Reported

This OX18 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OX18 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.5 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. 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

Günther E, Walter L. The major histocompatibility complex of the rat (*Rattus norvegicus*). *Immunogenetics*. 2001 Sep;53(7):520-42.

Smits KM, Kuppen PJ, Eggermont AM, Fleuren GJ. Preincubation of tumor cells with the anti-(MHC) class I antibody OX18 enhances tumor cell lysis by interleukin-2-activated NK cells. *Transplant Proc*. 1993 Oct;25(5):2806-7. (**OX18**, FA)

Fukumoto T, McMaster WR, Williams AF. e monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and class I antigens in rat thymus. *Eur J Immunol*. 1982 Mar;12(3):237-43. (**OX18**)

Hart DN, Fabre JW. Problems in the use of erythrocytes for RT1.A typing studies, probably due to quantitative differences in RT1.A antigen expression in different strains. *Transplant Proc*. 1981 Jun;13(2):1329-32.

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Related Products

11-0030 Anti-Rat CD3 FITC (eBioG4.18 (G4.18))

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)