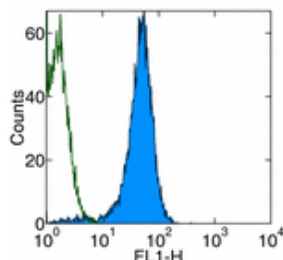


Anti-Mouse CD2 Purified

Catalog Number: 14-0021

Also Known As: LFA-2, Ly-37

RUO: For Research Use Only



Staining of mouse splenocytes with Anti-Mouse CD2 FITC. Autofluorescence is indicated by open histogram. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD2 Purified

REF Catalog Number: 14-0021

Clone: RM2-5

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2b, λ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The RM2-5 monoclonal antibody reacts with the mouse CD2 molecule, an approximately 50-55 kDa cell surface receptor expressed by all mouse lymphocytes. Expression of the CD2 antigen in the mouse differs from that of the human in that B lineage cells in the mouse from the pre-B cell stage to mature B cells express CD2. CD2 is a ligand for CD48 in the mouse and is involved in adhesion and activation of T cells.

Applications Reported

The RM2-5 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections. RM2-5 has also been reported in blocking of CD2 activity in *in vitro* functional assays. (Please use Functional Grade purified RM2-5, cat. 16-0021, in functional assays.)

Applications Tested

The RM2-5 antibody has been tested by flow cytometric analysis of mouse spleen and bone marrow cell suspensions. This can be used at less than or equal to 0.25 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

Nakamura, T., K. Takahashi, et al. (1990). "Relative contribution of CD2 and LFA-1 to murine T and natural killer cell functions." *J Immunol* 145 (11): 3628-34.

Yagita, H., T. Nakamura, et al. (1989). "CD2 expression in murine B cell lineage." *Int Immunol* 1(1): 94-8.

Yagita, H., T. Nakamura, et al. (1989). "Monoclonal antibodies specific for murine CD2 reveal its presence on B as well as T cells." *Proc Natl Acad Sci U S A* 86(2): 645-9.

Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4031 Rat IgG2b K Isotype Control Purified

17-4317 Streptavidin APC

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com