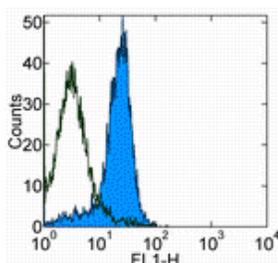


Anti-Mouse CD2 Functional Grade Purified

Catalog Number: 16-0021

Also Known As: LFA-2, Ly-37

RUO: For Research Use Only



Staining of C57Bl/6 splenocytes with 0.125 µg of Rat IgG2b κ Isotype Control Functional Grade Purified (cat. 16-4031) (open histogram) or 0.125 µg of Anti-Mouse CD2 Functional Grade Purified (filled histogram) followed by FITC anti-rat IgG (cat. 11-4811). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD2 Functional Grade Purified

REF **Catalog Number:** 16-0021

Clone: RM2-5

Concentration: 1 mg/ml

Host/Isotype: Rat IgG2b, λ

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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. RM2-5 has also been reported in *in vitro* blocking of mouse CD2 (LFA-2)

Applications Tested

The RM2-5 antibody has been tested by flow cytometric analysis of mouse splenocyte and bone marrow cell suspensions. This can be used at less than or equal to 0.25 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 10⁵ to 10⁸ 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)

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

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