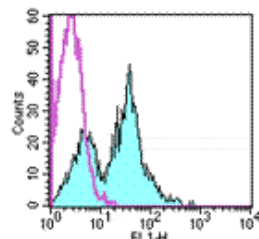


Anti-Mouse CD1d Functional Grade Purified

Catalog Number: 16-0011

Also Known As: CD1.1, Ly-38

RUO: For Research Use Only



Staining of BALB/c splenocytes with 1.0 µg of Rat IgG2b κ Isotype Control Functional Grade Purified (cat.16-4031) (open histogram), or 1.0 µg of Anti-Mouse CD1d Functional Grade Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD1d Functional Grade Purified

REF **Catalog Number:** 16-0011

Clone: 1B1

Concentration: 1 mg/ml

Host/Isotype: Rat IgG2b, κ

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.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The 1B1 monoclonal antibody reacts with mouse CD1d, a 48 kDa glycoprotein with structural homology to MHC class I molecules. While similar to MHC Class I, CD1d associates with β2-m, functionally CD1d is similar to MHC Class II. 1B1 detects CD1d at varying levels on mouse leukocytes. 1B1 detects β2-m associated CD1d.

Applications Reported

The 1B1 antibody has been reported for use in flow cytometric analysis. 1B1 has also been reported in *in vivo* and *in vitro* studies.

Applications Tested

The 1B1 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 1 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

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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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