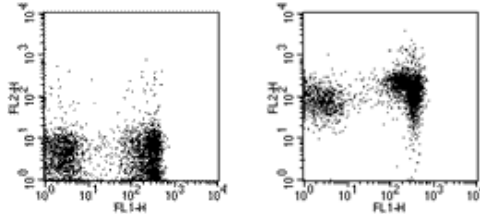


Product Information

Contents: Biotin anti-mouse CD1d (CD1.1, Ly-38)
Catalog Number: 13-0011
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
Clone: 1B1
Isotype: Rat IgG2b, κ



Staining of BALB/c splenocytes with FITC anti-CD45R/B220 (cat. 11-0452) and 0.5 µg of biotin rat IgG2b isotype control (cat. 13-4331) (left) or 0.5 µg of biotin anti-mouse CD1d (1B1) (right) followed by SAV-PE (cat. 12-4312). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0011	FITC anti-mouse CD1d (CD1.1, Ly-38)	488	518	FC
12-0011	PE anti-mouse CD1d (CD1.1, Ly-38)	488	575	FC
13-0011	Biotin anti-mouse CD1d (CD1.1, Ly-38)	N/A	N/A	FC
14-0011	Affinity Purified anti-mouse CD1d (CD1.1, Ly-38)	N/A	N/A	FA FC IHC IP
16-0011	Functional Grade* Purified anti-mouse CD1d (CD1.1, Ly-38)	N/A	N/A	FA FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. The 1B1 antibody has been reported for use in flow cytometric analysis.

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 million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0011 FITC anti-mouse CD1d (CD1.1, Ly-38) (clone 1B1)
Cat. 12-0011 PE anti-mouse CD1d (CD1.1, Ly-38) (clone 1B1)
Cat. 14-0011 Affinity Purified anti-mouse CD1d (CD1.1, Ly-38) (clone 1B1)
Cat. 16-0011 Functional Grade Purified anti-mouse CD1d (CD1.1, Ly-38) (clone 1B1)
Cat. 13-4031 Biotin Rat IgG2b Isotype Control (clone eB149/10H5)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)

References

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