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## Anti-Mouse CD1d PE

Catalog Number: 12-0011


Also Known As: CD1.1, Ly-38

RUO: For Research Use Only

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### Product Information

Contents: Anti-Mouse CD1d PE


 Catalog Number: 12-0011

Clone: 1B1

Concentration: 0.2 mg/ml


Host/Isotype: Rat IgG2b,  $\kappa$

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

 Caution, contains Azide

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### 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  $\beta$ 2-m, functionally CD1d is similar to MHC Class II. 1B1 detects CD1d at varying levels on mouse leukocytes. 1B1 detects  $\beta$ 2-m associated CD1d.

### Applications Reported

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 0.125  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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

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### Related Products

12-4031 Rat IgG2b K Isotype Control PE

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