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# PE Anti-Mouse CD1d Antibody[20H2]

20H2

Catalog Number: AN00570D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Clone No.

ReactivityMouseHostRatIsotypeRat IgG1, κ

Isotype Control PE Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822D]

Conjugation PE

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

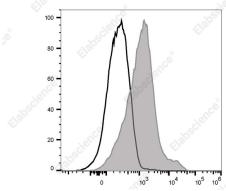
# Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

### **Data**



Staining of C57BL/6 murine splenocytes cells with PE Anti-Mouse CD1d Antibody[20H2] (filled gray histogram) or PE Rat IgG1,  $\kappa$  Isotype Control (empty black histogram). Total viable cells were used for analysis.

# **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping lce bag

# **Antigen Information**

Alternate Names CD1;CD1.1;Ly-38

 Uniprot ID
 P11609

 Gene ID
 12479

# For Research Use Only

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# Elabscience®

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# **Background**

CD1d, also known as CD1.1 and Ly-38, is a 48 kD type I membrane glycoprotein that is structurally similar to MHC class I and is non-covalently associated with \( \beta 2 - \) microglobulin. In humans, the CD1 family consists of group I (CD1a, CD1b, and CD1c), group II (CD1d), and group III (CD1e) proteins, but CD1d is the only CD1 molecule found in mice. Mouse CD1d has broad tissue distribution, and is found on leukocytes, dendritic cells, epithelial cells, and thymocytes. CD1d plays a role in presenting nonpeptide glycolipid antigens to CD1d-restricted T cells, and PKCδ has been identified as a critical regulator of CD1d-mediated antigen presentation.

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