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FITC Anti-Mouse CD1d Antibody[20H2]

Catalog Number: AN00570C

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

Description

Reactivity Mouse Host Rat

Isotype Rat IgG1, κ
Clone No. 20H2

Isotype Control FITC Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

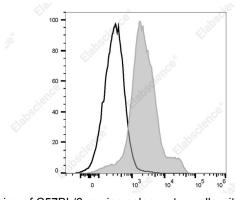
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 FITC Anti-Mouse CD1d Antibody[20H2] (filled gray histogram) or FITC Rat lgG1, κ 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

Rev. V1.6

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD1;CD1.1;Ly-38

 Uniprot ID
 P11609

 Gene ID
 12479

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com

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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.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web:www.elabscience.com