

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® 647 Anti-Mouse CD1d Antibody[19G11]

Catalog Number: E-AB-F1032UM

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

### **Description**

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ 19G11 Clone No.

**Isotype Control** Elab Fluor<sup>®</sup> 647 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843M]

Conjugation Elab Fluor®647

**Conjugation Information** Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

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

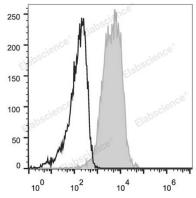
#### **Applications** Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10<sup>6</sup> cells in 100 µL volume].

#### Data

control.



C57BL/6 murine splenocytes are stained with Elab Fluor® 647 Anti-Mouse CD1d Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as

#### **Preparation & Storage**

Keep as concentrated solution. Storage

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

exposure to light and do not freeze.

**Shipping** Ice bag

#### **Antigen Information**

**Alternate Names** Antigen-presenting glycoprotein CD1d1;CD1d.1;Cd1.1;Cd1d1

**Uniprot ID** P11609 Gene ID 12479

#### For Research Use Only

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# Elabscience®

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#### **Background**

CD1d is a type I transmembrane protein and member of the MHC family, with a molecular weight ranging from 43-49 kD, depending on the glycosylation degree. CD1d is expressed by antigen presenting cells such as dendritic cells, monocytes, macrophages and B cells; also expressed by thymocytes and intestinal epithelial cells. CD1d present glycolipids to iNKT cells that recognize them by their  $V\alpha14i$  TCR.

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