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# PerCP/Cyanine5.5 Anti-Mouse CD1d Antibody[19G11]

Catalog Number: E-AB-F1032J

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

### Description

Reactivity Mouse Host Rat

**Isotype** Rat IgG2b, κ **Clone No.** 19G11

Isotype Control PerCP/Cyanine5.5 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842J]

**Conjugation** PerCP/Cyanine 5.5

**Conjugation Information** PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

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

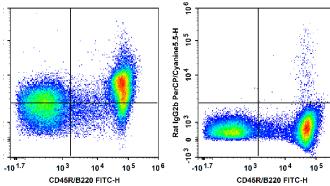
#### Applications

### 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 with FITC Anti-Mouse CD45R/B220 Antibody[RA3.3A 1/6.1] and PerCP/Cyanine5.5 Anti-Mouse CD1d Antibody[19G11] (left) or PerCP/Cyanine5.5 Rat IgG2b, κ Isotype Control (right). Total viable cells were used for analysis.

## **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping lce 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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# **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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