

## PE/Cyanine5 Anti-Mouse CD1d Antibody[19G11]

**Catalog Number:** E-AB-F1032G

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

### Description

|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG2b, $\kappa$  |
| <b>Clone No.</b>               | 19G11  |
| <b>Isotype Control</b>         | PE/Cyanine5 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842G]  |
| <b>Conjugation</b>             | PE/Cyanine 5   |
| <b>Conjugation Information</b> | PE/Cyanine5 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 670 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |

### Applications

#### Recommended usage

|            |  |
|------------|--|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|--|

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | Antigen-presenting glycoprotein CD1d1;CD1d.1;Cd1.1;Cd1d1  |
| <b>Uniprot ID</b>      | P11609  |
| <b>Gene ID</b>         | 12479   |
| <b>Background</b>      | 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 $\alpha$ 14i TCR. |

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