



A Reliable Research Partner in Life Science and Medicine

## Biotin Anti-Mouse CD1d Antibody[19G11]

Catalog Number: E-AB-F1032B

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 Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843B]

Conjugation Biotin

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. For flow

cytometric staining, the suggested use of this reagent is  $\leq$  1.0  $\mu$ g per 10<sup>6</sup> cells in 100  $\mu$ L volume or 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

**Preparation & Storage** 

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. 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

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,

 $macrophages\ and\ B\ cells; also\ expressed\ by\ thy mocytes\ and\ intestinal\ epithelial\ cells.$ 

CD1d present glycolipids to iNKT cells that recognize them by their Va14i TCR.