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PE/Cyanine 5 Anti-Mouse CD1d Antibody [19G11]

Catalog Number: E-AB-F1032UG

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 PE/Cyanine5 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843G]

Conjugation PE/Cyanine 5

Conjugation Information 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).

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. 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 $0.1-1 \mu g/10^6$ cells

in 100 µL volume].

Preparation & Storage

Storage Keep as concentrated solution.

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

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 Va14i TCR.