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PE Rabbit anti-Human CD1b mAb

Catalog No.: A26121

Basic Information

Observed MW

Calculated MW
37kDa/30kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC66962

Conjugate
PE. Ex:565nm. Em:574nm.

Background

This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
910

Swiss Prot
P29016

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
R1; CD1; CD1A

Contact

400-999-6126

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Product Information

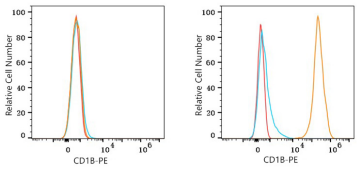
Source
Rabbit

Isotype
IgG

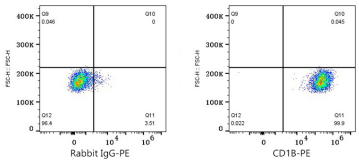
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 K-562 cells (negative control,left) and MOLT-4 cells (right) were surface-stained with PE Rabbit anti-Human CD1B mAb (A26121,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 MOLT-4 cells were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human CD45RB mAb (A26117,5 µl/Test,right).