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APC Rabbit anti-Human CD1c mAb

Catalog No.: A26839

Basic Information

Observed MW

Calculated MW
38kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC65906-APC

Conjugate
APC. Ex:650nm. Em:660nm.

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 is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known.

Recommended Dilutions

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

Immunogen Information

Gene ID
911

Swiss Prot
P29017

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 19-298 of human CD1c (NP_001756.2).

Synonyms
R7; CD1; CD1A; BDCA1

Contact

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Product Information

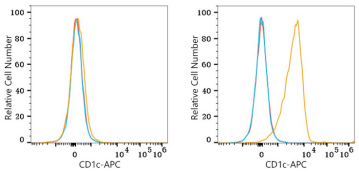
Source
Rabbit

Isotype
IgG

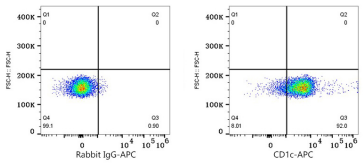
Purification
Affinity purification

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

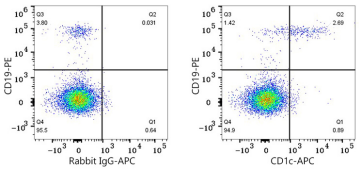
Validation Data



Flow cytometry: 1X10^6 K-562 cells (negative control,left) and MOLT-4 cells (right) were surface-stained with APC Rabbit anti-Human CD1c mAb (A26839,5 µl/Test,orange line) or APC Rabbit IgG isotype control (A24173,5 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 APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human CD1c mAb (A26839,5 µl/Test,right).



Flow cytometry:1X10^6 Human PBMC were surface-stained with PE Mouse anti-Human CD19 mAb (A22816,5 µl/Test) and APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human CD1c mAb (A26839,5 µl/Test,right).Cells in the lymphocytes gate were used for analysis.