Leader in Biomolecular Solutions for Life Science

www.abclonal.com

CD1B Rabbit mAb

Catalog No.: A26120 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
37kDa/30kDa

Category
Primary antibody

Applications
ELISA,IF/ICC,FC

Cross-Reactivity
Human

CloneNo number
ARC66962

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

IF/ICC	1:50 - 1:200
FC	1:500 - 1:1000

Immunogen Information

Gene ID
910

Swiss Prot
P29016

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 18-303 of human CD1B (NP_001755.1).

Synonyms
R1; CD1; CD1A

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

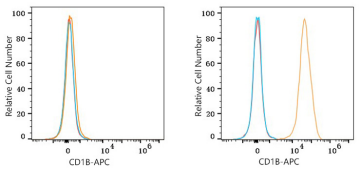
Source
Rabbit

Isotype
IgG

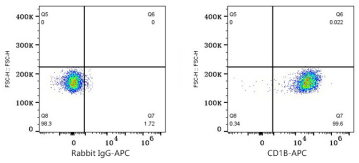
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

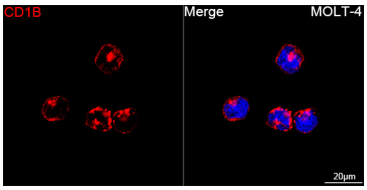
Validation Data



Flow cytometry: 1X10^6 K-562 cells (negative control,left) and MOLT-4 cells (right) were surface-stained with CD1B Rabbit mAb (A26120,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by APC conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 MOLT-4 cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or CD1B Rabbit mAb (A26120,2 µg/mL,right), followed by APC conjugated goat anti-rabbit pAb staining.



Confocal imaging of MOLT-4 cells using CD1B Rabbit mAb (A26120, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.