

ABflo® 488 Mouse anti-Human CD1a mAb

Catalog No.: A26905

Basic Information

Observed MW

Calculated MW

37kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

AMC0708

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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 the plasma membrane and to recycling vesicles of the early endocytic system. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

909

Swiss Prot

P06126

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

R4; T6; CD1; FCB6; HTA1

Contact

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Product Information

Source

Mouse

Isotype

IgM

Purification

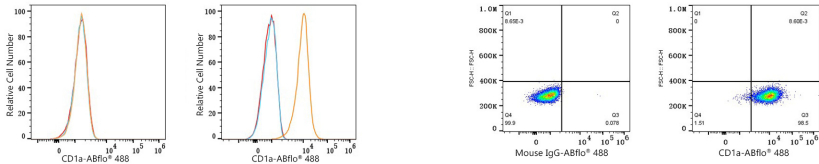
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ HeLa cells (negative control, left) and MOLT-4 cells (right) were surface-stained with ABflo® 488 Mouse anti-Human CD1a mAb (A26905, 5 µl/Test, orange line) or ABflo® 488 Mouse IgG isotype control (5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ MOLT-4 cells were surface-stained with ABflo® 488 Mouse IgG isotype control (5 µl/Test, left) or ABflo® 488 Mouse anti-Human CD1a mAb (A26905, 5 µl/Test, right).