

## CD1A monoclonal antibody

Catalog: MB23065

Host: Mouse

Reactivity: Human, Mouse, Monkey

### 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. [provided by RefSeq, Mar 2016]

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

37kDa

### Swiss-Prot:

P06126

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000  
FC:1/200 - 1/400

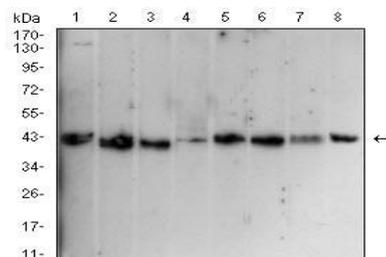
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

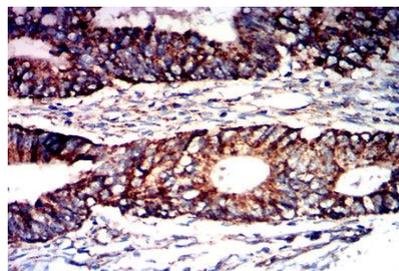
### Isotype:

Mouse IgG2a

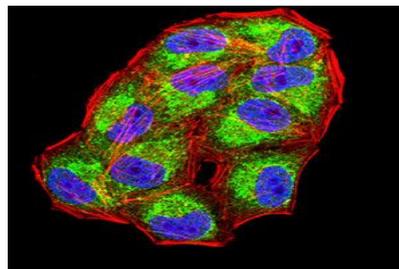
### DATA:



Western blot analysis using CD1A mouse mAb against HeLa (1), HepG2 (2), HEK293 (3), MOLT4 (4), K562 (5), HEK293-6e (6), Cos-7 (7), and NIH/3T3 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CD1A mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using CD1A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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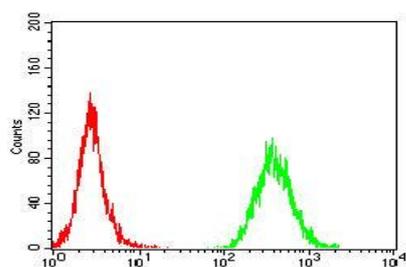
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Flow cytometric analysis of MOLT4 cells using CD1A mouse mAb (green) and negative control (red).

**Note:**

For research use only, not for use in diagnostic procedure.

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