

Product Name: CD1A Mouse Monoclonal Antibody
Catalog #: AMM82590



Summary

Production Name	CD1A Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC,ELISA
Reactivity	Human, Mouse, Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	CD1A
Alternative Names	R4; T6; CD1; FCB6; HTA1
Gene ID	909.0
SwissProt ID	P06126.Purified recombinant fragment of human CD1A (AA: 17-116) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	37kDa

Background

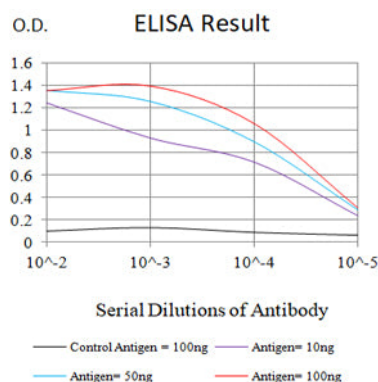
Product Name: CD1A Mouse Monoclonal Antibody
Catalog #: AMM82590



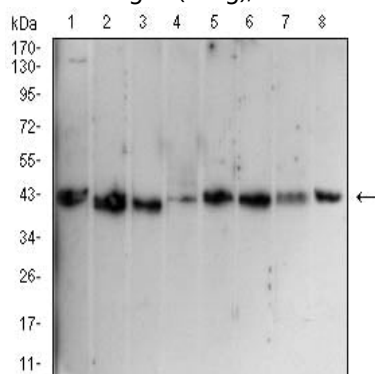
This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self 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]

Research Area

Image Data

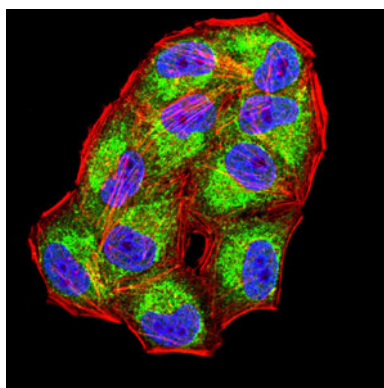


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

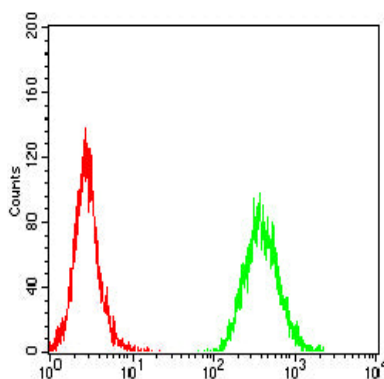


Western blot analysis using CD1A mouse mAb against Hela (1), HepG2 (2), HEK293 (3),MOLT4 (4),K562 (5),HEK293-6e (6),Cos-7 (7),and NIH/3T3 (8) cell lysate.

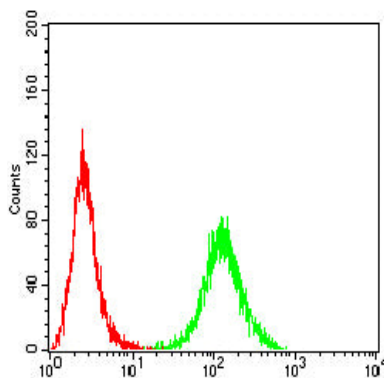
Product Name: CD1A Mouse Monoclonal Antibody
Catalog #: AMM82590



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)

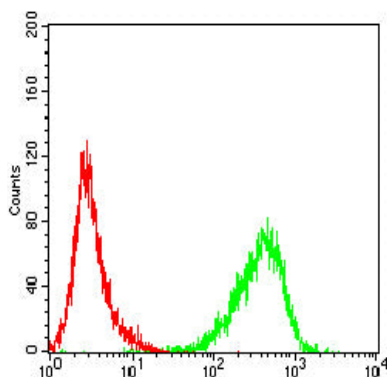


Flow cytometric analysis of MOLT4 cells using CD1A mouse mAb (green) and negative control (red).

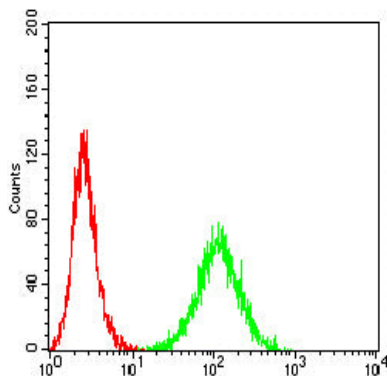


Flow cytometric analysis of HL-60 cells using CD1A mouse mAb (green) and negative control (red).

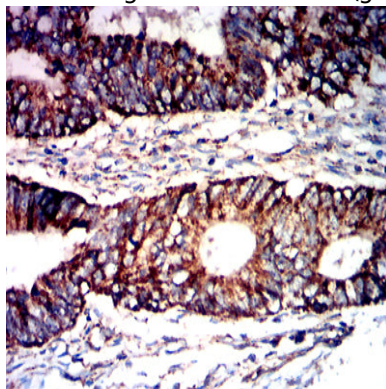
Product Name: CD1A Mouse Monoclonal Antibody
Catalog #: AMM82590



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

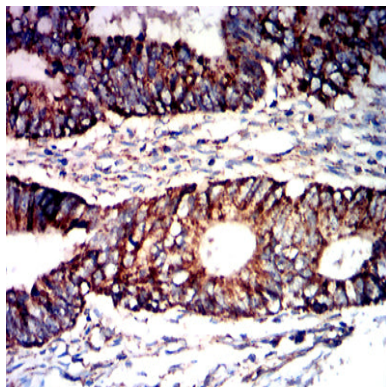


Flow cytometric analysis of K562 cells using CD1A mouse mAb (green) and negative control (red).



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

Product Name: CD1A Mouse Monoclonal Antibody
Catalog #: AMM82590



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

Note

For research use only.