

**Product Name: CD1a Mouse Monoclonal Antibody****Catalog #: AMM22006**

For research use only.

**Summary**

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Description</b>  | Mouse Monoclonal Antibody                                                                            |
| <b>Host</b>         | Mouse                                                                                                |
| <b>Application</b>  | IHC,IF,ELISA                                                                                         |
| <b>Reactivity</b>   | Human                                                                                                |
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Unmodified                                                                                           |
| <b>Isotype</b>      | IgG2b,Kappa                                                                                          |
| <b>Clonality</b>    | Monoclonal                                                                                           |
| <b>Form</b>         | Liquid                                                                                               |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                          |
| <b>Shipping</b>     | Ice bags                                                                                             |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA                                                       |
| <b>Purification</b> | The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen. |

**Application**

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:200-400;IF 1:50-200;ELISA 1:500-5000 |
| <b>Molecular Weight</b> | Calculated MW:37kDa                        |

**Antigen Information**

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Gene Name</b>         | CD1A                                                          |
| <b>Alternative Names</b> |                                                               |
| <b>Gene ID</b>           | Human:909                                                     |
| <b>SwissProt ID</b>      | Human:P06126                                                  |
| <b>Immunogen</b>         | Synthesized peptide derived from human CD1a AA range: 200-327 |

**Background**

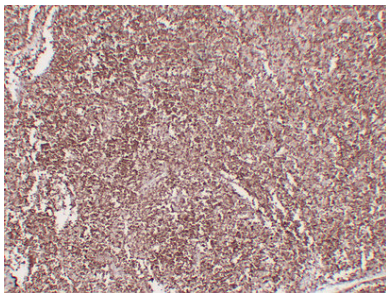
This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self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

## Research Area

Pathology

## Image Data



Immunohistochemical analysis of paraffin-embedded Thymoma. 1, Antibody was diluted at 1:200(4°,overnight). 2, Heat-induced epitope retrieval (HIER) was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min).