

CD1A monoclonal antibody, clone HI149

Catalog # MAB0941

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD1A.
Immunogen	Native purified CD1A from human thymocytes.
Host	Mouse
Theoretical MW (kDa)	49
Reactivity	Human
Specificity	<p>This antibody reacts with CD1a (T6), a 49 KDa polypeptide associated with beta2-microglobulin expressed on cortical thymocytes (strongly), Langerhans cells, dendritic cells and some T cell leukemias and lymphomas.</p> <p>This antibody does not react with peripheral blood T and B lymphocytes, monocytes, granulocytes, platelets and erythrocytes.</p>
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	<p>Store at 4°C. Do not freeze.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

Gene Info — CD1A

Entrez GeneID [909](#)

Gene Name CD1A

Gene Alias CD1, FCB6, HTA1, R4, T6

Gene Description CD1a molecule

Omim ID [188370](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq]

Other Designations CD1A antigen|CD1A antigen, a polypeptide|OTTHUMP00000018907|T-cell surface antigen T6/Leu-6|T-cell surface glycoprotein CD1a|cluster of differentiation 1 A|cortical thymocyte antigen CD1A|differentiation antigen CD1-alpha-3|epidermal dendritic cell marker

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Campylobacter Infections](#)
- [Genetic Predisposition to Disease](#)
- [Guillain-Barre Syndrome](#)
- [Lung Diseases](#)
- [Mycobacterium Infections](#)
- [Polyradiculoneuropathy](#)