

CD1a Monoclonal Antibody (NA1/34-HLK), FITC

Catalog NumberMA5-16880

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	<div>Tested ApplicationsDilution * Flow Cytometry (Flow)Neat-1:10</div>	
Class	Monoclonal		
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Clone	NA1/34-HLK		
Immunogen	Human thymocytes		
Conjugate	FITC		
Form	Liquid		
Concentration	0.1 mg/mL		
Purification	Protein A		
Storage buffer	PBS with 1% BSA		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Store in the dark.		

Product specific information

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10^6 cells in 100 µL.

Background/Target Information

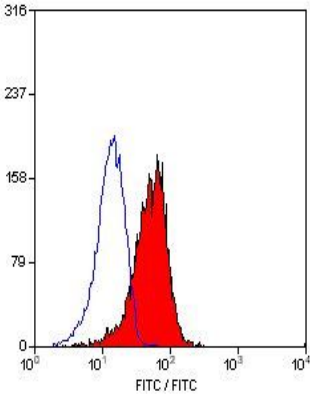
CD1a is a non-polymorphic MHC Class 1 related cell surface glycoprotein, expressed in association with Beta 2 microglobulin. CD1a is expressed by cortical thymocytes, Langerhan's cells and by interdigitating cells. CD1a is also expressed by some malignancies of T cell lineage and in histiocytosis X. CD1a is expressed on cortical thymocytes, epidermal Langerhans cells, dendritic cells, on certain T-cell leukemias, and in various other tissues. CD1a is 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. CD1a localizes to the plasma membrane and recycles vesicles of the early endocytic system. At least five CD1 genes (CD1a, b, c, d, and e) are identified. Alternatively spliced transcript variants of CD1a have been observed, but their biological validity have not been determined.

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CD1a Antibody (MA5-16880) in Flow

Flow cytometric analysis of MOLT 4 cells with Mouse anti Human CD1a conjugated to FITC (Product # MA5-16880).

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