

Anti-human CD1a Antibody (3D229)

Product Details

Ig Type:	Mouse IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 34 kDa. Actual: 49 kDa.
Clone:	3D229
Purification:	Protein G purified

Applications

Verified Activity:	The JurkaT (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.). Primary Antibody (green): Mouse Anti-CD1a antibody: 1 $\mu\text{g}/10^6$ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC: 1 $\mu\text{g}/\text{test}$. Isotype Control (orange): Mouse IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
Application:	FCM
Recommended	FCM: 1 $\mu\text{g}/\text{Test}$

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CD1a
Antigen Species:	Human
Gene ID:	909
Uniprot ID:	P06126

Research 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]

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