

Anti-CD1d Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 36 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Positive control: mouse thymocyte (2% Paraformaldehyde-fixed) Isotype Control Antibody: Rabbit IgG; Dilution: 1 µg in 100 µl 1 X PBS containing 0.5% BSA Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1: 200 in 1 X PBS containing 0.5% BSA Primary Antibody: Rabbit Anti-CD1A antibody (TMAB-03895); Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA
	2. Blank control (mouse): mouse spleen cells (fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody: Rabbit Anti-CD1A antibody (TMAB-03895), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1: 200 in 1 X PBS containing 0.5% BSA.
Application:	FCM
Recommended	FCM: 1µg/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: mouse CD1d
Antigen Species:	Mouse
Gene ID:	912

Research Background

This gene encodes a divergent 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 late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

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