

## Anti-CD1d Polyclonal Antibody 3

### Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat
Molecular Weight:	Theoretical: 36 kDa. Actual: 61 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Sample: Thymus (Rat) Lysate at 40 µg Spleen (Mouse) Lysate at 40 µg Primary: Anti-CD1d (TMAB-03896) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 61 kD</p> <p>2. Blank control: 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-03896), 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. Protocol. Primary antibody (TMAB-03896, 1 µg /1x10<sup>6</sup> cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA+1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.</p> <p>3. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-CD1d (TMAB-03896) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 61 kD</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; 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

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### 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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