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# Datasheet for ABIN5611269 anti-CD1b antibody (AA 18-303)

4 Images



#### Overview

Quantity:	0.1 mg
Target:	CD1b (CD1B)
Binding Specificity:	AA 18-303
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Neutralization (Neut)

### Product Details

Immunogen:	Purified recombinant fragment of human CD1B (AA: extra 18-303) expressed in E. coli.
Clone:	1D6B7
Isotype:	lgG2b
Purification:	purified

### Target Details

Target:	CD1b (CD1B)
Alternative Name:	CD1B (CD1B Products)
Background:	Description: 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

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# Target Details

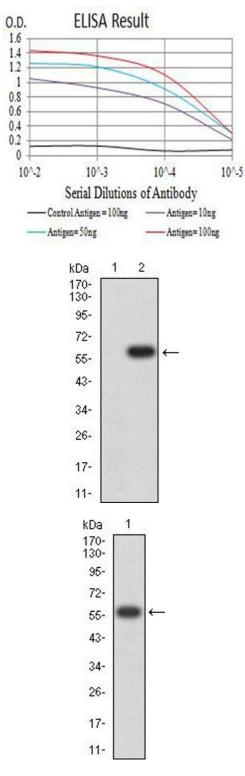
	lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains
	five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are
	thought to differ in their cellular localization and specificity for particular lipid ligands. The
	protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based
	motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens.
	Aliases: R1, CD1, CD1A
Molecular Weight:	37 kDa
Gene ID:	910
HGNC:	910

## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



## ELISA

**Image 1.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

#### Western Blotting

**Image 2.** Western blot analysis using CD1B mAb against HEK293 (1) and CD1B (AA: extra 18-303)-hlgGFc transfected HEK293 (2) cell lysate.

Western	Blottin	g				
Image 3. Western blot analysis using CD1B mAb against						
human	CD1B	(AA:	extra	18-303)	recombinant	protein.
(Expected MW is 57.1 kDa)						

Please check the product details page for more images. Overall 4 images are available for ABIN5611269.

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