

# CD1B

Purified Mouse Monoclonal Antibody  
Catalog # AO2748a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">P29016</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	1D6B7
<b>Isotype</b>	Mouse IgG2b
<b>Calculated MW</b>	36939
<b>Immunogen</b>	Purified recombinant fragment of human CD1B (AA: extra 18-303) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	910
<b>Other Names</b>	R1; CD1; CD1A
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CD1B is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CD1B
<b>Function</b>	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Note=Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes.
<b>Tissue Location</b>	Expressed on cortical thymocytes, on certain T-cell leukemias, and in various

## References

1. Proc Natl Acad Sci U S A. 2016 Jan 12;113(2):380-5. 2. J Exp Med. 2011 Aug 29;208(9):1741-7.

## Images

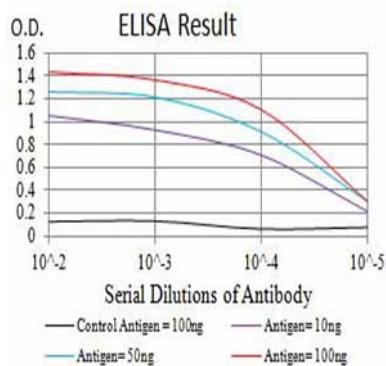


Figure 4: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

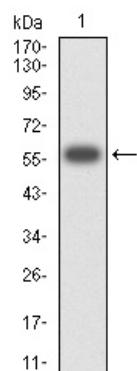


Figure 1: Western blot analysis using CD1B mAb against human CD1B (AA: extra 18-303) recombinant protein. (Expected MW is 57.1 kDa)

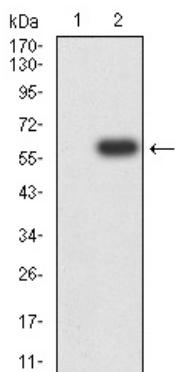
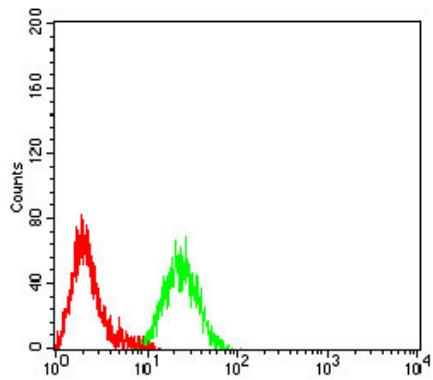


Figure 2: Western blot analysis using CD1B mAb against HEK293 (1) and CD1B (AA: extra 18-303)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 3: Flow cytometric analysis of Raji cells using CD1B mouse mAb (green) and negative control (red).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.