

**CD1B**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2747a**

**Specification**

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**CD1B - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">P29016</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>37kDa KDa</b>

**Immunogen**

Purified recombinant fragment of human CD1B (AA: extra 18-303) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD1B - Additional Information**

**Gene ID** 910

**Other Names**

R1; CD1; CD1A

**Dilution**

E~~ 1/10000

WB~~ 1/500 - 1/2000

**Storage**

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.

**Precautions**

CD1B is for research use only and not for use in diagnostic or therapeutic procedures.

**CD1B - Protein Information**

**Name** CD1B

**Function**

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.

**Cellular Location**

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.

#### Tissue Location

Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues

#### CD1B - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CD1B - Images

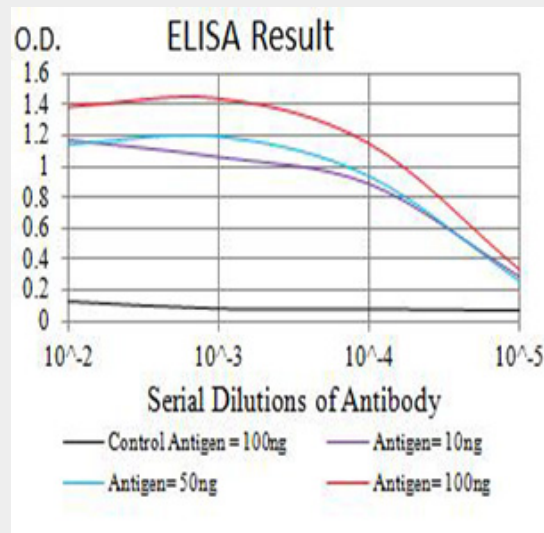


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

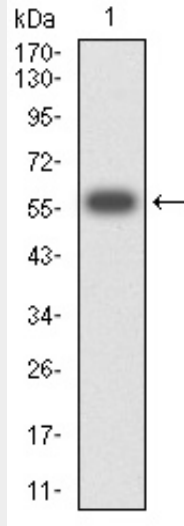


Figure 2:Western blot analysis using CD1B mAb against human CD1B (AA: extra 18-303) recombinant protein. (Expected MW is 57.1 kDa)

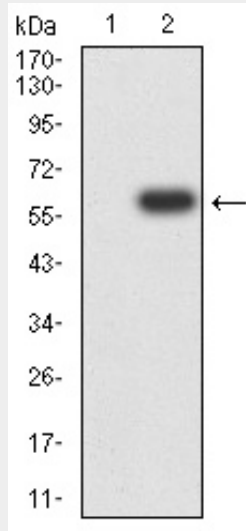


Figure 3:Western blot analysis using CD1B mAb against HEK293 (1) and CD1B (AA: extra 18-303)-hlgGfc transfected HEK293 (2) cell lysate.

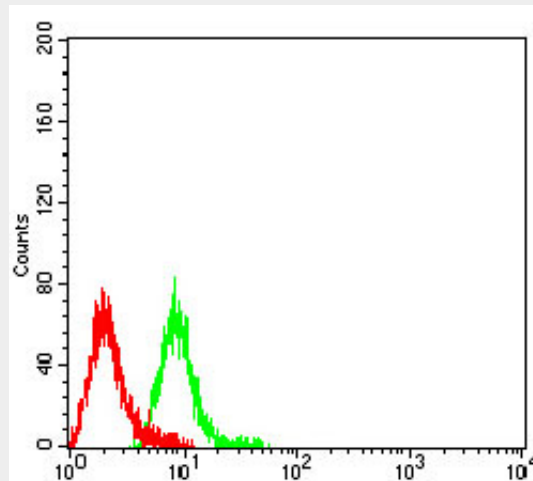


Figure 4:Flow cytometric analysis of Raji cells using CD1B mouse mAb (green) and negative

control (red).

**CD1B - 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.