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CD1B

Purified Mouse Monoclonal Antibody
Catalog # AO2747a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P29016
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	5G3D4
Isotype	Mouse IgG1
Calculated MW	36939
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

Additional Information

Gene ID	910
Other Names	R1; CD1; CD1A
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
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.

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

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

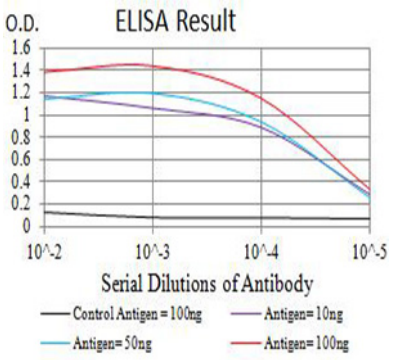


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

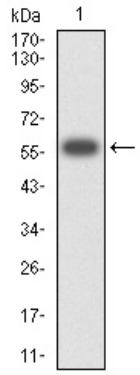


Figure 2:Western blot analysis using CD1B mAb against human CD1B (AA: extra 18-303) recombinant protein. (Expected MW is 57.1 kDa)

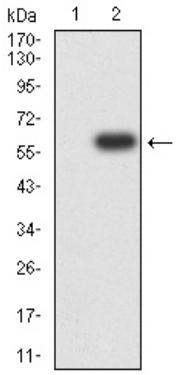
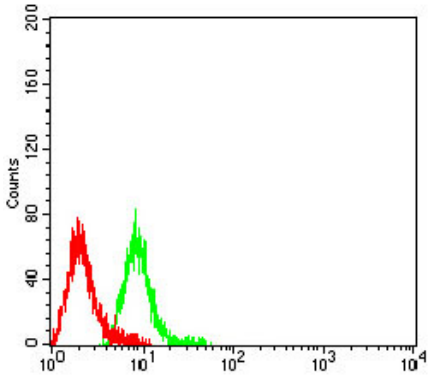


Figure 3:Western blot analysis using CD1B mAb against HEK293 (1) and CD1B (AA: extra 18-303)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4: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'.