

CD1C Antibody (clone 4C7)
Mouse Monoclonal Antibody
Catalog # ALS16736

Specification

CD1C Antibody (clone 4C7) - Product Information

Application	IHC, IF, WB
Primary Accession	P29017
Other Accession	911
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37654

CD1C Antibody (clone 4C7) - Additional Information

Gene ID [911](#)

Other Names

CD1C, BDCA1, CD1, CD1c molecule, CD1C antigen, c polypeptide, CD1c antigen, R7

Target/Specificity

Human CD1C

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

CD1C Antibody (clone 4C7) is for research use only and not for use in diagnostic or therapeutic procedures.

CD1C Antibody (clone 4C7) - Protein Information

Name CD1C

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. Note=Subject to intracellular trafficking between the cell membrane and endosomes

Tissue Location

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

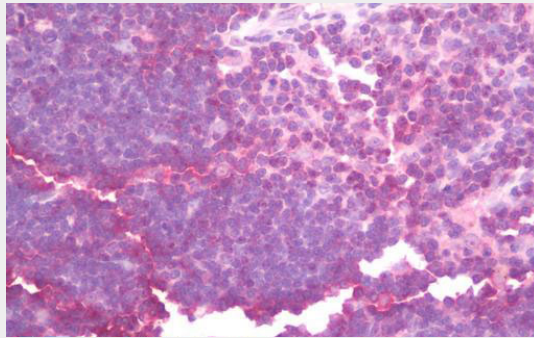
Volume
50 μ l

CD1C Antibody (clone 4C7) - Protocols

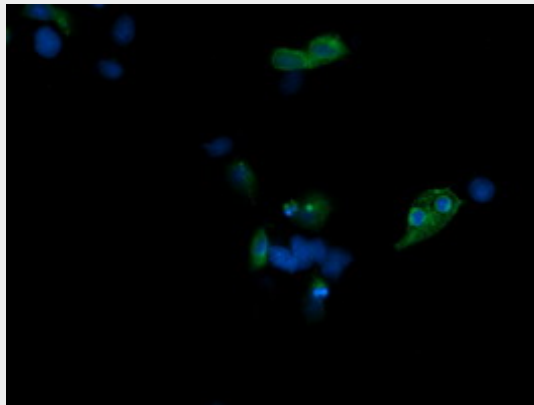
Provided below are standard protocols that you may find useful for product applications.

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

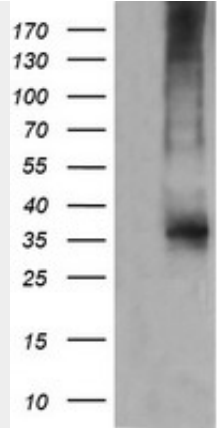
CD1C Antibody (clone 4C7) - Images



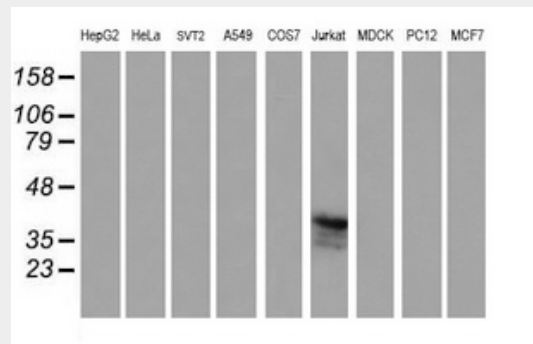
Anti-CD1C antibody IHC staining of human thymus.



Anti-CD1C mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD1C...



Western blot of extracts (35 ug) from 9 different cell lines by using g anti-CD1C monoclonal...

CD1C Antibody (clone 4C7) - Background

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.

CD1C Antibody (clone 4C7) - References

Martin L.H.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:9189-9193(1987).
 Aruffo A.,et al.J. Immunol. 143:1723-1730(1989).
 Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
 Gregory S.G.,et al.Nature 441:315-321(2006).
 Han M.,et al.Tissue Antigens 54:122-127(1999).