10320 Camino Santa Fe, Suite G
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CD1D Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17240

Specification

CD1D Antibody - Product Information

Application	**IHC-P, WB**
Primary Accession	P15813
Other Accession	912
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**37717**

CD1D Antibody - Additional Information

Gene ID 912

Other Names
CD1D, CD1D antigen, d polypeptide, R3, R3G1, CD1d antigen, CD1d molecule, Thymocyte antigen CD1D

Target/Specificity
Human CD1D

Reconstitution & Storage
PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions
CD1D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD1D Antibody - Protein Information

Name CD1D

Function
Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T- cells.

Cellular Location
Cell membrane; Single-pass type I membrane protein. Basolateral cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes.

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

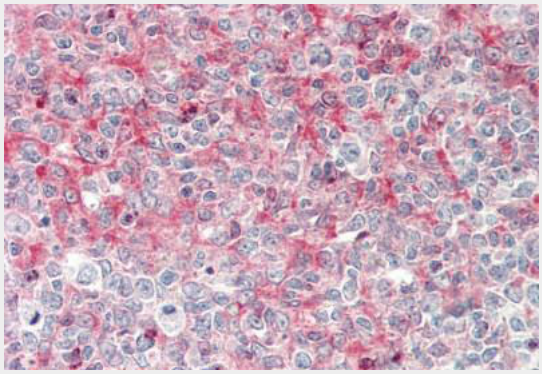
Volume
50 µl

CD1D Antibody - Protocols

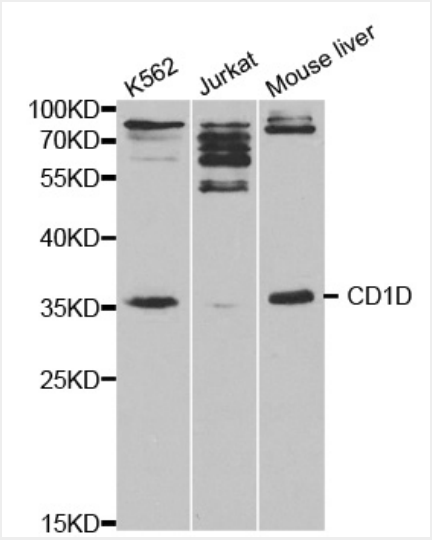
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD1D Antibody - Images



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis of extracts of various cell lines, using CD1D antibody.

CD1D Antibody - Background

Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells.

CD1D Antibody - References

Calabi F.,et al.Eur. J. Immunol. 19:285-292(1989).
Balk S.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:252-256(1989).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Han M.,et al.Tissue Antigens 54:122-127(1999).