CD1a Rabbit mAb

Catalog No: #49610

Package Size: #49610-1 50ul #49610-2 100ul

Signalway Antibody
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Support: tech@signalwayantibody.com

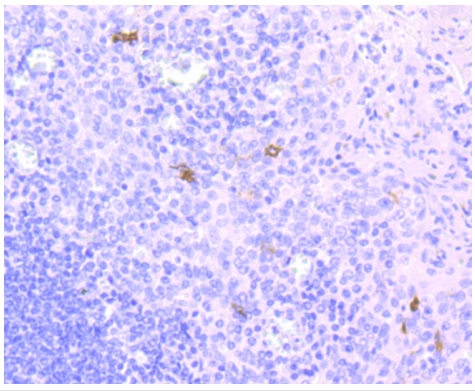
Description

Product Name	CD1a Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JM21-33
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	CD 1a antibody CD1 antibody CD1a antibody CD1A Antigen antibody CD1A antigen, a polypeptide antibody CD1a molecule antibody CD1A_HUMAN antibody cluster of differentiation 1 A antibody cortical thymocyte antigen CD1A antibody differentiation antigen CD1 alpha 3 antibody epidermal dendritic cell marker CD1a antibody FCB 6 antibody FCB6 antibody HTA 1 antibody HTA1 antibody hTa1 thymocyte antigen antibody OTTHUMP00000018907 antibody R 4 antibody R4 antibody T 6 antibody T-cell surface antigen T6/Leu-6 antibody T-cell surface glycoprotein CD1a antibody T6 antibody
Accession No.	Swiss-Prot#:P06126
Calculated MW	37 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

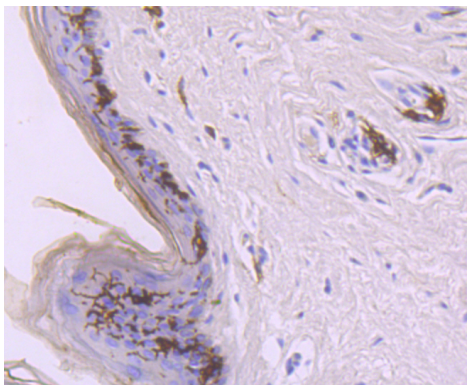
Application Details

WB: 1:500 IHC: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD1a antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-CD1a antibody. Counter stained with hematoxylin.

Background

The CD1 multigene family encodes five forms of the CD1 T-cell surface glycoprotein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 membrane protein, has structural similarity to the MHC class I antigen and has been shown to present lipid antigens for recognition by T lymphocytes. CD1 antigens are associated with β-2-Microglobulin and expressed on cortical thymocytes, Langerhans cells, a B cell subset and some dendritic cells. Specifically, CD1A is a marker for Langerhans cell histiocytosis (LCH) and is found on interdigitating cells. Adaptor-protein complexes and CD1-associated chaperones control CD1 trafficking, and the development and activation of CD1-restricted T cells. Constitutive endocytosis of CD1B molecules and the differential sorting of MHC class II from lysosomes separate peptide- and lipid antigen-presenting molecules during dendritic cell maturation. CD1B is also expressed in interdigitating cells. The human CD1 genes are all closely linked in a cluster mapping at chromosome 1q23.1.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.