

Mouse CD1 Monoclonal Antibody | anti-CD1 antibody

CD1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA173641	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

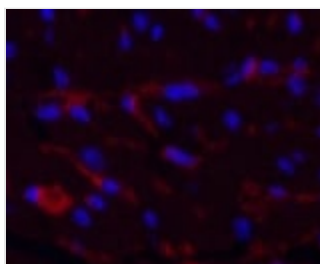
PRODUCT SYNONYMS

CD1; Monoclonal Antibody; CD1 Monoclonal Antibody; anti-CD1 antibody

PRODUCT SPECIFICATIONS

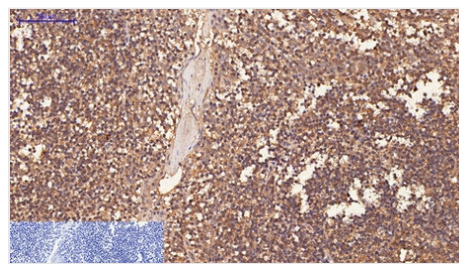
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	2A5
Purity/Purification	Protein A Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	316
Applicable Applications for anti-CD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Synthetic Peptide
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of Mouse heart tissue using CD1 Monoclonal Antibody at dilution of 1:200.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human tonsil tissue using CD1 Monoclonal Antibody at dilution of 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-CD1 antibody	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to the plasma membrane and to recycling vesicles of the early endocytic system. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1002167153
NCBI GeneID	909
NCBI Accession #	NP_001307581.1
NCBI GenBank Nucleotide #	NM_001320652.1
UniProt Accession #	P06126; Q13962; Q5TDJ8; Q9UMM4; Q9Y5M5; D3DVD7
Molecular Weight	37,077 Da
NCBI Official Full Name	T-cell surface glycoprotein CD1a isoform 2
NCBI Official Synonym Full Names	CD1a molecule
NCBI Official Symbol	CD1A
NCBI Official Synonym Symbols	R4; T6; CD1; FCB6; HTA1
NCBI Protein Information	T-cell surface glycoprotein CD1a
UniProt Protein Name	T-cell surface glycoprotein CD1a
UniProt Gene Name	CD1A
UniProt Synonym Gene Names	hTa1 thymocyte antigen

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.