

Rabbit CD1D Polyclonal Antibody | anti-CD1D antibody

CD1D Antibody

CATALOG # AAA326362	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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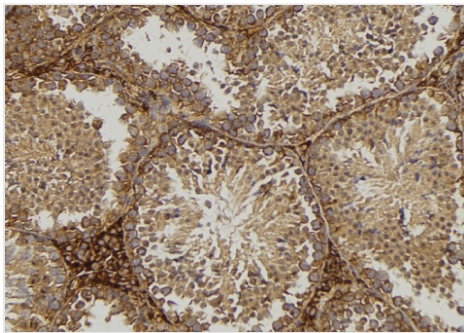
PRODUCT SYNONYMS

CD1D; Polyclonal Antibody; CD1D Antibody; Antigen-presenting glycoprotein CD1d; CD1.1; CD1A; CD1d; CD1D antigen; CD1D antigen d polypeptide; CD1d molecule; CD1D_HUMAN; Cd1d1; differentiation antigen CD1 alpha 3; HMC class I antigen like glycoprotein CD1D; Ly 38; MGC34622; R3; R3G1; T cell surface glycoprotein CD1d; Thymocyte antigen CD1D; anti-CD1D antibody

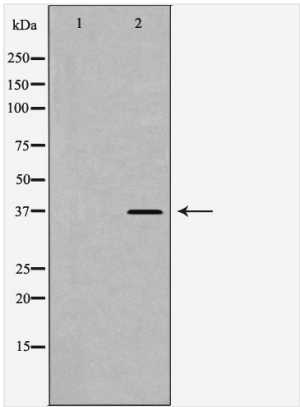
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD1D antibody detects endogenous levels of total CD1D
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	242
Applicable Applications for anti-CD1D antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD1D
Subcellular Location	Cell Membrane. Endosome Membrane. Lysosome Membrane. Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes.
Tissue Specificity	Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit
Similarity	Bovine (92%), Horse (100%), Sheep (92%), Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326362 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using CD1D Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CD1D antibody	Description: This gene encodes a divergent 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 late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail. [provided by RefSeq, Jul 2008] Function: Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells. Subunit Structure: Heterodimer with B2M (beta-2-microglobulin). Interacts with MHC II.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	982742445
NCBI GeneID	912
NCBI Accession #	NP_001306074.1
NCBI GenBank Nucleotide #	NM_001319145.1
UniProt Accession #	P15813; Q5W0J3; Q9UMM3; Q9Y5M4; D3DVD5
Molecular Weight	Observed: 38 kDa Predicted: 38 kDa
NCBI Official Full Name	antigen-presenting glycoprotein CD1d isoform 2
NCBI Official Synonym Full Names	CD1d molecule
NCBI Official Symbol	CD1D
NCBI Official Synonym Symbols	R3; CD1A; R3G1
NCBI Protein Information	antigen-presenting glycoprotein CD1d
UniProt Protein Name	Antigen-presenting glycoprotein CD1d
UniProt Gene Name	CD1D

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.

