

Rabbit anti-Human CD1D Polyclonal Antibody | anti-CD1D antibody

CD1D Antibody (Center)

CATALOG # AAA284246	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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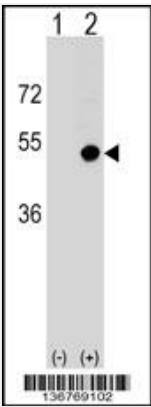
PRODUCT SYNONYMS

CD1D; Polyclonal Antibody; CD1D Antibody (Center); Antigen-presenting glycoprotein CD1d; R3G1; CD1d; anti-CD1D antibody

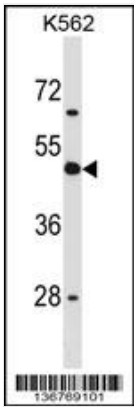
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 177-206 amino acids from the Central region of human CD1D.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	177-206
Sequence Length	335
Applicable Applications for anti-CD1D antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of CD1D (arrow) using rabbit polyclonal CD1D Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CD1D gene.



WB (Western Blot)
CD1D Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the CD1D antibody detected the CD1D protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CD1D antibody	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.
Product Categories/Family for anti-CD1D antibody	Immunology; Signal Transduction
References	Miura, S., et al. J. Virol. 84(22):11614-11623(2010) Moll, M., et al. Blood 116(11):1876-1884(2010) Liu, J., et al. J. Immunol. 184(9):4973-4981(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Brandl, C., et al. PLoS ONE 5 (5), E10800 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502649
NCBI GeneID	912
NCBI Accession #	NP_001757.1
NCBI GenBank Nucleotide #	NM_001766.3
UniProt Accession #	P15813; Q5W0J3; Q9UMM3; Q9Y5M4; D3DVD5
Molecular Weight	37717
NCBI Official Full Name	antigen-presenting glycoprotein CD1d
NCBI Official Synonym Full Names	CD1d molecule
NCBI Official Symbol	CD1D
NCBI Official Synonym Symbols	R3; CD1A

NCBI Protein Information	antigen-presenting glycoprotein CD1d
UniProt Protein Name	Antigen-presenting glycoprotein CD1d
UniProt Gene Name	CD1D
UniProt Entry Name	CD1D_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd1d-antibody-western-blot-elisa/284246>