

Rabbit anti-Human CD1d Polyclonal Antibody | anti-CD1D antibody

Anti-CD1d antibody

CATALOG # AAA45427	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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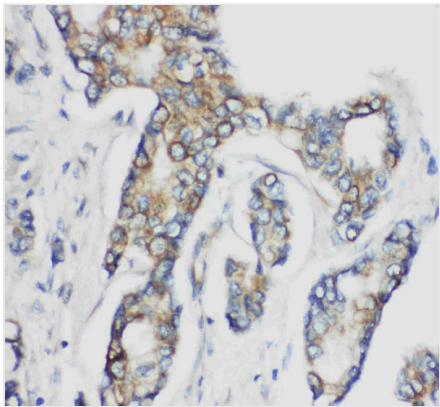
PRODUCT SYNONYMS

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

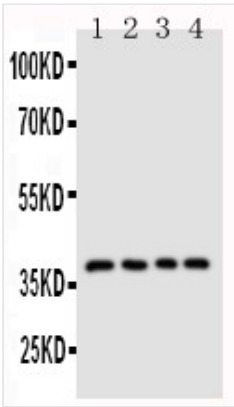
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	335
Applicable Applications for anti-CD1D antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD1d (76-92aa FSDQQWETLQHIFRVYR).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CD1d antibody, AAA45427, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-CD1d antibody, AAA45427, Western blottingLane 1: COLO320 Cell LysateLane 2: HELA Cell LysateLane 3: HT1080 Cell LysateLane 4: JURKAT Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CD1D antibody	Description: Rabbit IgG polyclonal antibody for Antigen-presenting glycoprotein CD1d(CD1D) detection. Tested with WB, IHC-P in Human. Background: CD1D(CD1d molecule) also known as R3G1, Antigen-presenting glycoprotein CD1d, R3G1, CD1D, is the sole group-2 member of the CD1 family of major histocompatibility(MHC)-like glycoproteins. Expressed on the surface of various human antigen-presenting cells. They are related to the class I MHC molecules, and are involved in the presentation of lipid antigens to T cells. It is the only member of the group 2 CD1 molecules. CD1d presented lipid antigens activate a special class of T cells, known as Natural Killer T(NKT) cells. When activated, NKT cells rapidly produce Th1 and Th2 cytokines, typically represented by interferon-gamma and IL-4 production. Jayawardena-Wolf et al. described 2 different pathways of Cd1d trafficking to endosomal compartments in mouse cells. A tyrosine-based motif governs recycling between the plasma membrane and the endosome, while Cd1d associates, like major histocompatibility complex class II antigens, with the invariant chain, or II, in the endoplasmic reticulum. Both pathways enhance antigen presentation to Cd1d-restricted natural killer T cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115964
NCBI GeneID	912
UniProt Accession #	P15813; Q5W0J3; Q9UMM3; Q9Y5M4; D3DVD5
Molecular Weight	37,717 Da
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; R3G1; thymocyte antigen CD1D; CD1D antigen, d polypeptide; T-cell surface glycoprotein CD1d; differentiation antigen CD1-alpha-3; HMC class I antigen-like 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.

