

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

Anti-CD1D Antibody IHC-plus

CATALOG # AAA162163	HOST Rabbit	REACTIVITY Mouse, Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

CD1D; Polyclonal Antibody; Anti-CD1D Antibody IHC-plus; Rabbit Polyclonal (IgG) to Human CD1D; Human CD1D; CD1D antigen; d polypeptide; R3; R3G1; CD1d antigen; CD1d molecule; Thymocyte antigen CD1D; anti-CD1D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human CD1D
Purity/Purification	Affinity purified
Form/Format	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Concentration	1.87 mg/ml (varies by lot)
Sequence	EVPQRLFPLR CLQISSFANS SWTRTDGLAW LGELQTHSWS NDSDTVRSK PWSQGTFSQD QWETLQHIFR VYRSSFTRDV KEFAKMLRLS YPLELQVSAG CEVHPGNASN NFFHVAFAQGK DILSFQGTSW EPTQEAPLWV NLAIQVLNQD KWTRETVQWL LNGTCPQFVS G
Sequence Length	335
Applicable Applications for anti-CD1D antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-190 of human CD1D (NP_001757.1).
Immunogen Type	Recombinant protein
Immunogen Species	CD1D antibody was raised against Human
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol

The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:

Tissue Preparation:
Formalin fixation and embedding in paraffin wax.

Tissue Sectioning:
Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.

Deparaffinization:
Wash dry slides in 3 changes of xylene - 5 minutes each @ RT

Rehydration:
Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT
Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT
Wash slides in 1 change of 80% alcohol - 3 minutes @ RT
Rinse slides in gentle running distilled water - 5 minutes @ RT

Antigen retrieval:
Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes
Remove from heat and let stand at room temperature in buffer - 20 minutes
Rinse in 1X TBS with Tween (TBST) -1 minute @ RT

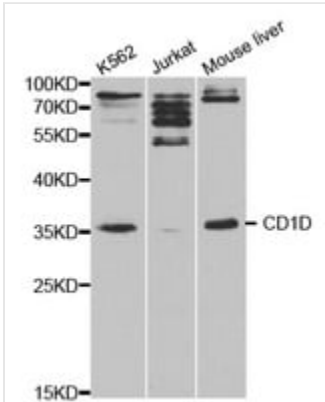
Immunostaining:
(Do not allow tissues to dry at any time during the staining procedure)
Apply a universal protein block - 20 minutes @ RT
Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT
Rinse slides in 1 X TBST - 1 minute @ RT
Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT
Rinse slides in 1X TBST -1 minute @ RT
Apply alkaline phosphatase streptavidin - 30 minutes @ RT
Rinse slides in 1X TBST -1 minute @ RT
Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT
Wash slides in distilled water - 1 minute @ RT

Dehydrate:
(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB))
Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT
Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT
Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT
Wash slides in 3 changes of xylene - 1 minute each @ RT
Apply coverslip

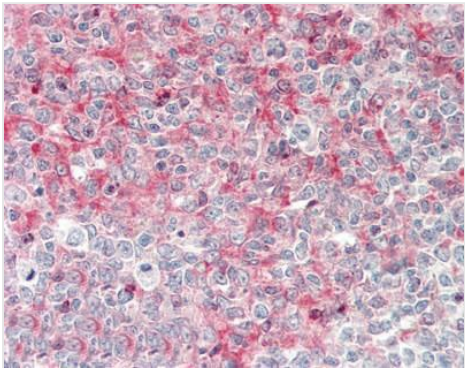
Preparation and Storage

Store at -20°C. Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CD1D antibody.



IHC (Immunohistochemistry)
Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

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
NCBI Official Full Name	antigen-presenting glycoprotein CD1d isoform 1
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
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-immunohistochemistry-elisa/162163>