

Product datasheet

Anti-CD1d antibody [EPR22526-72] αb229903

Recombinant RabMAb

3 Images

Overview

Product name	Anti-CD1d antibody [EPR22526-72]
Description	Rabbit monoclonal [EPR22526-72] to CD1d
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human lymph node and thymus lysates; Jurkat and MOLT-4 whole cell lysates. IP: Jurkat whole cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22526-72

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab229903 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 48 kDa (predicted molecular weight: 38 kDa).
IP		1/30.

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

Function

Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells.

Tissue specificity

Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.

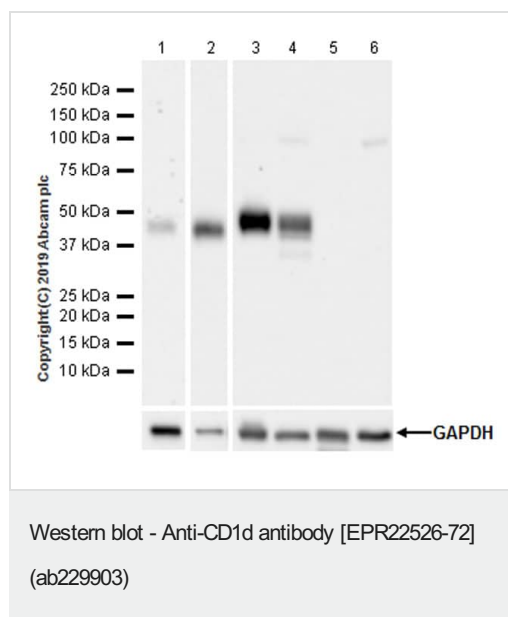
Sequence similarities

Contains 1 Ig-like (immunoglobulin-like) domain.

Cellular localization

Cell membrane. Endosome membrane. Lysosome membrane. Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes.

Images



All lanes : Anti-CD1d antibody [EPR22526-72] (ab229903) at 1/1000 dilution

Lane 1 : Human lymph node lysate

Lane 2 : Human thymus lysate

Lane 3 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : MOLT-4 (human lymphoblastic leukemia cell line) whole cell lysate

Lane 5 : SH-SY5Y (human neuroblastoma cell line from bone marrow) whole cell lysate

Lane 6 : K562 (human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 38 kDa

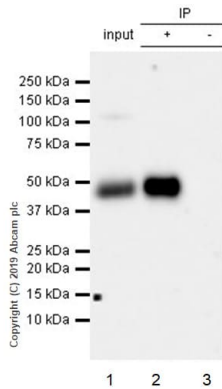
Observed band size: 48 kDa

Exposure time: Lane 1: 3 minutes; Lanes 2-6: 48 seconds.

Blocking/Dilution buffer: 5% NFDM/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID: 10809957).

Negative control: SH-SY5Y (PMID: 26749374), K562 (PMID: 21037579).



Immunoprecipitation - Anti-CD1d antibody
[EPR22526-72] (ab229903)

CD1d was immunoprecipitated from 0.35 mg of Jurkat (human T cell leukemia cell line from peripheral blood) whole lysate with ab229903 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab229903 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used as secondary antibody at 1/5000 dilution.

Lane 1: Jurkat whole cell lysate 10 µg (Input).

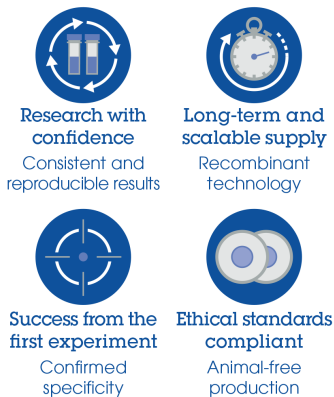
Lane 2: ab229903 IP in Jurkat whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab229903 in Jurkat whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.

Why choose a
recombinant antibody?



Anti-CD1d antibody [EPR22526-72] (ab229903)

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