abcam

ab325685

Anti-CD1d antibody [EPR28086-750]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR28086-750
Purification technique	Affinity purification Protein A
Specificity	This antibody does not cross-react with overexpressed mouse CD1d2.
Concentration	0.509 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Transfected cell line - Mouse
Dilution info	1/500
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Not recommended

Species	Transfected cell line - Mouse
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Transfected cell line - Mouse
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse, Transfected cell line - Mouse
Dilution info	-
Notes	-

Target data

See full target information Cd1d1

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

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

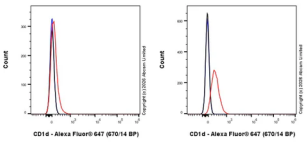
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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4 product images



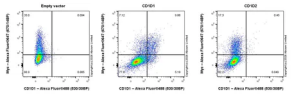
Flow Cytometry - Anti-CD1d antibody [EPR28086-750] (ab325685)

CD1d Flow Cytometry staining of WEHI-3 (mouse leukemia lymphoblast, Right) using rabbit Anti-CD1d antibody

Flow cytometric analysis of B16-F0 (mouse melanoma epithelial-like cell, Left) and WEHI-3 (mouse leukemia lymphoblast, Right) labelling CD1d with ab325685 at 1/500 dilution (0.1ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells.
Low expression: B16-F0.



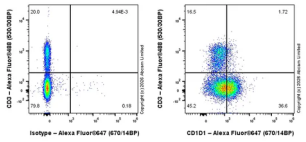
Flow Cytometry (Intracellular) - Anti-CD1d antibody [EPR28086-750] (ab325685)

CD1d Flow Cytometry (Intracellular) staining using rabbit Anti-CD1d antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 0.1% Tween-20 permeabilized
293T cells transfected with a mouse CD1D1 expression vector containing a myc-His-tag® (Middle)
293T cells transfected with a mouse CD1D2 expression vector containing a myc-His-tag® (Right)
293T cells transfected with an empty expression vector containing a myc-His-tag® (Left)
labelling CD1d with ab325685 at 1/500 dilution (0.1ug) compared with a isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Cells were surface stained with isotype control or our antibody. Then fixed with 4% PFA for 10min followed by intracellularly stained with anti-myc tag conjugated to Alexa Fluor® 647.



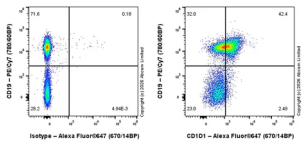
Flow Cytometry - Anti-CD1d antibody [EPR28086-750] (ab325685)

CD1d Flow Cytometry staining of Mouse PBMC (mouse primary peripheral blood mononuclear cell) using rabbit Anti-CD1d antibody

Flow cytometric analysis of Mouse PBMC (mouse primary peripheral blood mononuclear cell) labelling CD1d with ab325685 at 1/500 dilution (0.1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti mouse CD3 conjugated to Alexa Fluor®488.



Flow Cytometry - Anti-CD1d antibody [EPR28086-750] (ab325685)

CD1d Flow Cytometry staining of Mouse PBMC (mouse primary peripheral blood mononuclear cell) using rabbit Anti-CD1d antibody

Flow cytometric analysis of Mouse PBMC (mouse primary peripheral blood mononuclear cell) labelling CD1d with ab325685 at 1/500 dilution (0.1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti mouse CD19 conjugated to PE/CY7.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.