CD1d Rabbit mAb

Catalog NO.: A26678 Recombinant 1 Publications

Basic Information

Observed MW
38 kDa (unglycosylation)/55 kDa (glycosylation)

Calculated MW
39 kDa/38 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-P, ELISA

Cross-Reactivity
Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC68856

Background

Enables T cell receptor binding activity and endogenous lipid antigen binding activity. Involved in NK T cell differentiation and regulation of immature T cell proliferation in thymus. Acts upstream of or within several processes, including antigen processing and presentation, exogenous lipid antigen via MHC class Ib; positive regulation of cytokine production; and positive regulation of leukocyte activation. Located in endosome; external side of plasma membrane; and lysosome. Is expressed in forebrain; intestine; jaw bone; and liver. Human ortholog(s) of this gene implicated in pulmonary tuberculosis. Orthologous to human CD1D (CD1d molecule).

Recommended Dilutions

WB	1:5000 - 1:25000
IF-P	1:150 - 1:1500

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
12479/12480

Swiss Prot
P11609/P11610

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Cd1a; Cd1d; CD1.1; Ly-38

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

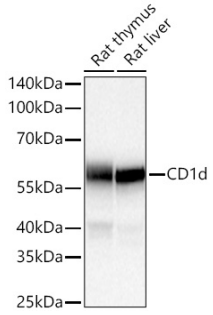
Source
Rabbit

Isotype
IgG

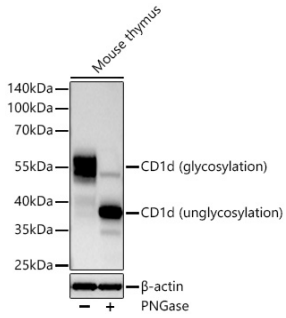
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

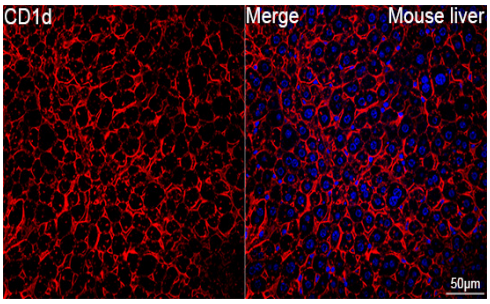
Validation Data



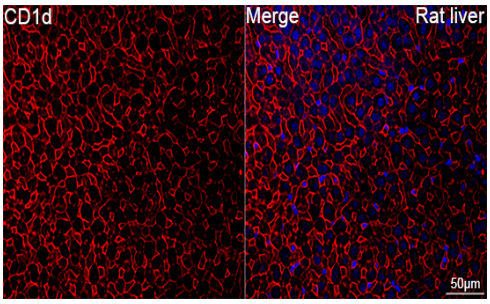
Western blot analysis of various lysates using CD1d Rabbit mAb (A26678) at 1:25000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



Western blot analysis of lysates from Mouse thymus using CD1d Rabbit mAb (A26678) at 1:5000 dilution incubated overnight at 4°C. Mouse thymus treated with PNGase F (6 U/ul) at 37°C for 1 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Confocal imaging of paraffin-embedded Mouse liver tissue using CD1d Rabbit mAb (A26678, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-



Confocal imaging of paraffin-embedded Rat liver tissue using CD1d Rabbit mAb (A26678, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG

Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

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