

PE Rabbit anti-Mouse CD1d mAb

Catalog NO.: A27959

Basic Information

Observed MW

Calculated MW

39kDa/38kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Mouse

Conjugation

PE. Ex:565nm. Em:574nm.

Clone number

ARC74362

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

FC ≤0.25 µg per million cells in 100 µl volume

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

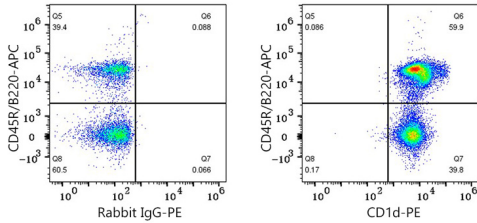
Contact

Product Information

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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10⁶ C57BL/6 mouse splenocytes were surface-stained with APC Rat anti-Mouse CD45R/B220 mAb (A27570,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse CD1d mAb (A27959,0.25 µg,right).

