

# PE Rabbit anti-Mouse CD1d mAb

Catalog No.: A27959

## Basic Information

### Observed MW

### Calculated MW

39kDa/38kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC74362

### Conjugate

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

## 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

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

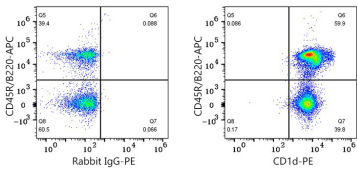
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# Validation Data



Flow cytometry: 1X10<sup>6</sup> 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).