

A27959

Leader in Biomolecular Solutions for Life Science



PE Rabbit anti-Mouse CD1d mAb

Catalog No.: A27959

Basic Information

Observed MW

Calculated MW

39kDa/38kDa

Category

Monoclonal Antibody

Applications

FC

Cross-Reactivity

Mouse

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 $\leq 0.25 \mu\text{g}$ 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

 www.abclonal.com

Product Information

Source
Rabbit

Isotype
IgG

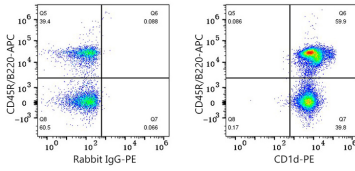
Purification
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH 7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with APC Rat anti-Mouse CD45R/B220 mAb (A27570,5 μ l/Test) and PE Rabbit IgG isotype control (A24172,5 μ l/Test,left) or PE Rabbit anti-Mouse CD1d mAb (A27959,0.25 μ g,right).