

CD1D (PT1703R) PT™ Rabbit mAb

CatalogNo: YM9545 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IF,IP,ELISA

MW

- 38kD (Calculated)
- 50kD (Observed)

Isotype

- IgG,Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT1703R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CD1D

Protein Name Antigen-presenting glycoprotein CD1d

Organism	Gene ID	UniProt ID
Human	912 ;	P15813 ;

Cellular Localization

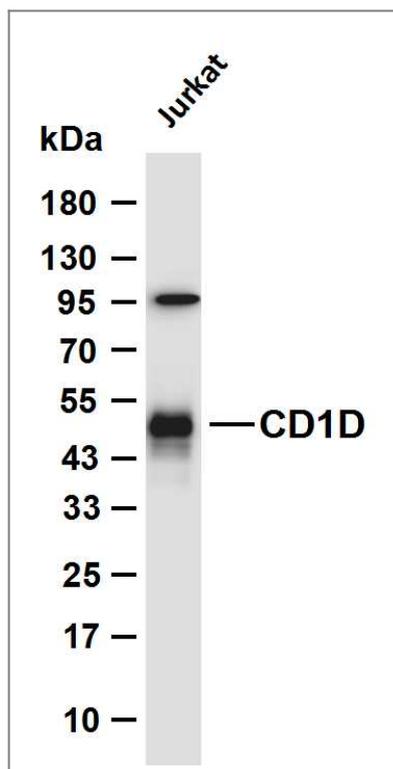
Cell membrane ; Single-pass type I membrane protein . Basolateral cell membrane ; Single-pass type I membrane protein . Endosome membrane ; Single-pass type I membrane protein . Lysosome membrane ; Single-pass type I membrane protein . Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes. .

Tissue specificity Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.

Function

Function:Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells.,miscellaneous:During protein synthesis and maturation, CD1 family members bind endogenous lipids that are replaced by lipid or glycolipid antigens when the proteins are internalized and pass through endosomes, before trafficking back to the cell surface.,similarity:Contains 1 Ig-like (immunoglobulin-like) domain.,subcellular location:Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes.,subunit:Heterodimer with B2M (beta-2-microglobulin). Interacts with MHC II.,tissue specificity:Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD1D (PT1703R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Jurkat Predicted band size: 38kDa Observed band size: 50kDa

| Contact information

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