

For Research Use Only

# CD1d Monoclonal antibody, PBS Only



Catalog Number: 66257-1-PBS

Featured Product

## Basic Information

Catalog Number:

66257-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11108

GenBank Accession Number:

BC027926

GeneID (NCBI):

912

UNIPROT ID:

P15813

Full Name:

CD1d molecule

Calculated MW:

335 aa, 38 kDa

Observed MW:

40 kDa, 50-55 kDa

Purification Method:

Protein G purification

CloneNo.:

1C12F1

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human

## Background Information

CD1d is a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. CD1d is an antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on NKT cells. When activated, NKT cells rapidly produce Th1 and Th2 cytokines. The molecular weight of unglycosylated CD1d is 38 kDa, while glycosylated form of CD1d is 48-55 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

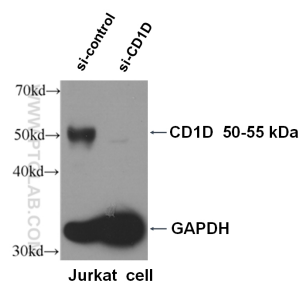
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

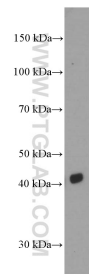
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

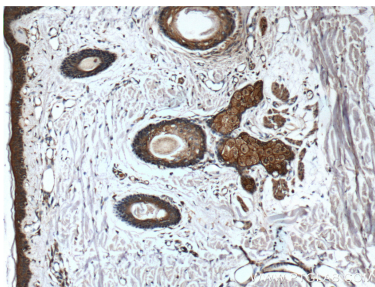
Selected Validation Data



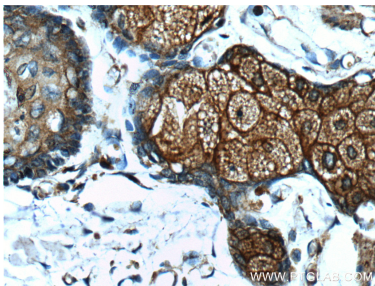
WB result of CD1D antibody (66257-1-Ig, 1:500) with si-Control and si-CD1D transfected Jurkat cells. This data was developed using the same antibody clone with 66257-1-PBS in a different storage buffer formulation.



human testis tissue were subjected to SDS PAGE followed by western blot with 66257-1-Ig (CD1D Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66257-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 66257-1-Ig (CD1d antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 66257-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 66257-1-Ig (CD1d antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 66257-1-PBS in a different storage buffer formulation.