For Research Use Only

CoraLite® Plus 488-conjugated CD1d Monoclonal antibody

Catalog Number:CL488-66257 Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66257

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Purification Method:
Protein G purification

CloneNo.:
1C12F1

Recommended Dilutions:
WB 1:500-1:1000

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
WB

Species Specificity:
human

Positive Controls:

WB : MOLT-4 cells, Jurkat cells

Background Information

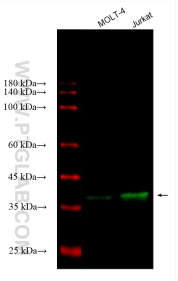
CD1d is a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. CD1d is an antigen-presenting protein that binds self and non-self glycolipids and presents them to 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66257 (CD1d antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.