

For Research Use Only

CoraLite® Plus 488-conjugated CD1d Monoclonal antibody



Catalog Number: CL488-66257

Featured Product

Basic Information

Catalog Number: CL488-66257	GenBank Accession Number: BC027926	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 912	CloneNo.: 1C12F1
Source: Mouse	Full Name: CD1d molecule	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Calculated MW: 335 aa, 38 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG11108	Observed MW: 40 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : MOLT-4 cells, Jurkat cells
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 -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

*** 20ul sizes contain 0.1% BSA

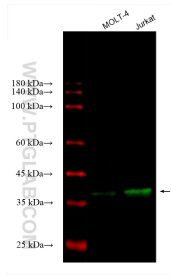
For technical support and original validation data for this product please contact:

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

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

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.