

For Research Use Only

CD1d Monoclonal antibody

Catalog Number: 66257-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66257-1-Ig	GenBank Accession Number: BC027926	Purification Method: Protein G purification
Size: 150ul , Concentration: 2000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 912	CloneNo.: 1C12F1
Source: Mouse	UNIPROT ID: P15813	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Isotype: IgG1	Full Name: CD1d molecule	
Immunogen Catalog Number: AG11108	Calculated MW: 335 aa, 38 kDa	
	Observed MW: 40 kDa, 50-55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : human testis tissue, Jurkat IHC : human skin tissue, human small intestine tissue
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Qingyuan Liu	38868316	Open Med (Wars)	WB,IF

Storage

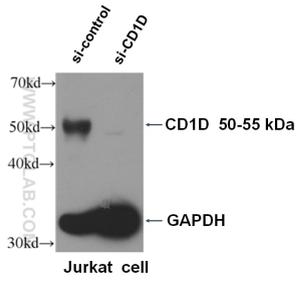
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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.

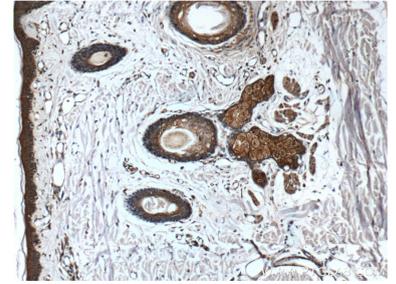
Selected Validation Data



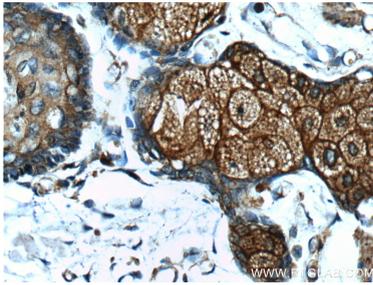
WB result of CD1D antibody (66257-1-Ig, 1:500) with si-Control and si-CD1D transfected Jurkat cells.



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.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 66257-1-Ig (CD1d antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 66257-1-Ig (CD1d antibody) at dilution of 1:100 (under 40x lens).