

CD107a / LAMP1 Monoclonal antibody

 Catalog Number: **67300-1-Ig** **7 Publications**

Basic Information

Catalog Number: 67300-1-Ig	GenBank Accession Number: BC021288	Purification Method: Protein A purification
Size: 1100 µg/ml	GeneID (NCBI): 3916	CloneNo.: 3B2E9
Source: Mouse	ENSEMBL Gene ID: ENSG00000185896	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2b	UNIPROT ID: P11279	
Immunogen Catalog Number: AG28869	Full Name: lysosomal-associated membrane protein 1	
	Calculated MW: 417 aa, 45 kDa	
	Observed MW: 90-120 kDa	

Applications

Tested Applications: IF-P, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : HT-1080 cells, HeLa cells, HepG2 cells, Jurkat cells, THP-1 cells, MDA-MB-231 cells, JAR cells, K-562 cells, U-937 cells
Species Specificity: Human	IHC : human liver cancer tissue, human lung cancer tissue
Cited Species: human	IF : human liver cancer tissue,

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0****

This antibody is not recommended for immunocytofluorescent assays.

Background Information

LAMP1 (also known as CD107a) is a 90-120 kDa heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 functions to provide selectins with carbohydrate ligands. This protein has also been shown to be a marker of degranulation on lymphocytes such as CD8+ and NK cells and may also play a role in tumor cell differentiation and metastasis.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhouyangfan Peng	36131930	Front Immunol	WB
Weiliang Zhuang	38139459	Int J Mol Sci	IF
Zhannan Wang	38093320	J Nanobiotechnology	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

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

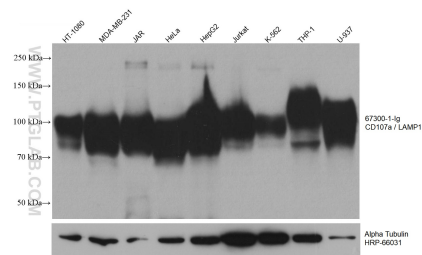
T: 4006900926

E: Proteintech-CN@ptglab.com

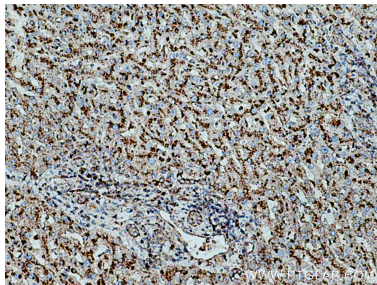
W: ptgcn.com

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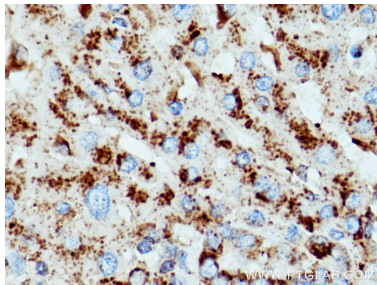
Selected Validation Data



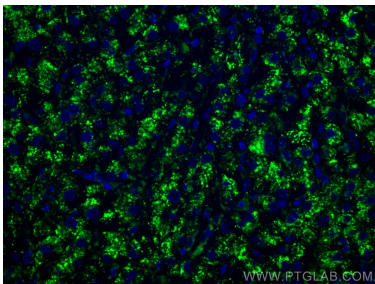
Various lysates were subjected to SDS PAGE followed by western blot with 67300-1-Ig (CD107a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



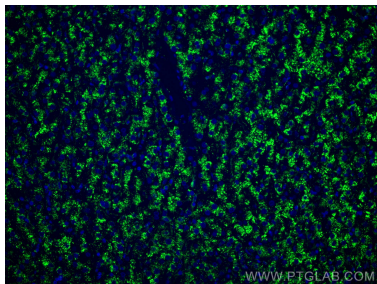
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67300-1-Ig (CD107a antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67300-1-Ig (CD107a antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CD107a antibody (67300-1-Ig, Clone: 3B2E9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CD107a antibody (67300-1-Ig, Clone: 3B2E9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).