For Research Use Only

CD107a / LAMP1 Monoclonal antibody, PBS Only

Catalog Number:67300-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67300-1-PBS

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG28869

GenBank Accession Number:
BC021288

GeneID (NCBI):
3916

ENSEMBL Gene ID:
ENSG00000185896

UNIPROT ID:
P11279

Full Name:
lysosomal-associated membrane protein 1

Calculated MW:
45 kDa

Observed MW:
90-120 kDa

Purification Method:
Protein A purification

CloneNo.:
3B2E9

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human

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.

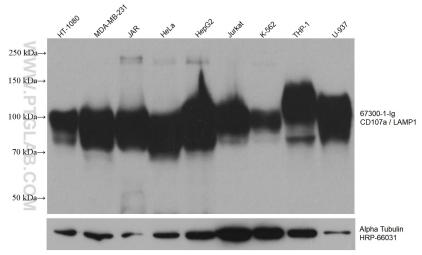
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

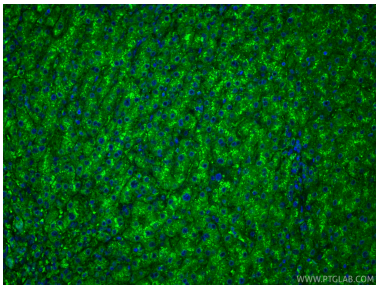
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

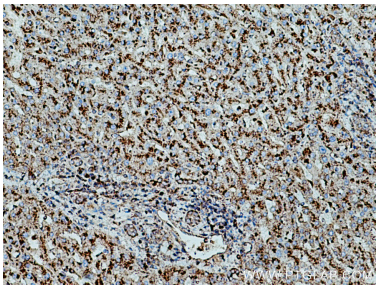
Selected Validation Data



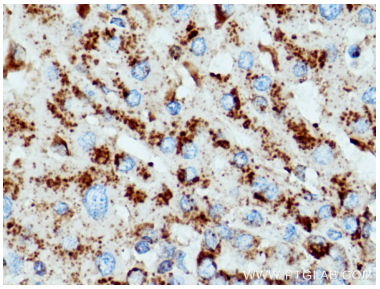
Various lysates were subjected to SDS PAGE followed by western blot with 67300-1-Ig (CD107a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.



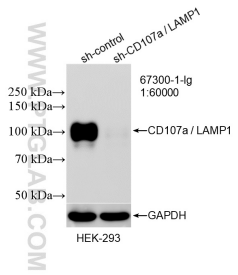
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human liver tissue using CD107a / LAMP1 antibody (67300-1-Ig, Clone: 3B2E9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.



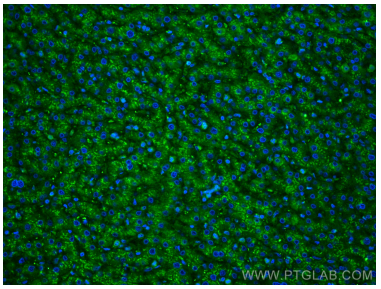
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67300-1-Ig (CD107a antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.



WB result of CD107a / LAMP1 antibody (67300-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD107a / LAMP1 transfected HEK-293 cells. This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human liver tissue using CD107a / LAMP1 antibody (67300-1-Ig, Clone: 3B2E9) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67300-1-PBS in a different storage buffer formulation.