For Research Use Only

Anti-Human CD107a / LAMP1 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98266-1-PBS



Purification Method:

Protein A purfication

CloneNo.:

242116F1

Basic Information

Catalog Number:

98266-1-PBS

Size:

1mg, 2 mg/ml

Source: Rabbit Isotype:

Immunogen Catalog Number:

EG2611

Full Name: lysosomal-associated membrane

P11279-1

NM_005561.4

GeneID (NCBI):

ENSEMBL Gene ID:

ENSG00000185896 **UNIPROT ID:**

3916

protein 1 Calculated MW: 45 kDa

GenBank Accession Number:

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Background Information

LAMP1 (CD107a) is a heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP1 is expressed largely in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane (PMID: 16168398). Elevated LAMP1 expression at the cell surface has also been detected during platelet and granulocytic cell activation, as well as in some tumor cells (PMID: 29085473). 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 (PMID: 18835598; 29085473; 9426697).

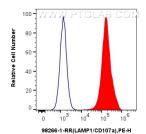
Storage

Storage: Store at -80°C. Storage Buffer: PBS only, pH7.3

> This product is exclusively available under Proteintech Group brand and is not available to purchase from any

other manufacturer.

Selected Validation Data



1x10^6 Jurkat cells were intracellularly stained with 0.25 ug Anti-Human CD107a/LAMP1 Rabbit Recombinant Antibody (98266-1-RR, Clone: 242116F1) (red) or 0.25 ug Rabbit 1gG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit 1gG(H+L). Cells were fixed with 49% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same



