

For Research Use Only

Anti-Human CD107a / LAMP1 Rabbit Recombinant Antibody

Catalog Number: 98266-1-RR



Basic Information

| | | | | | |
|---------------------------|-------------------|---------------------------|---|----------------------|------------------------|
| Catalog Number: | 98266-1-RR | GenBank Accession Number: | NM_005561.4 | Purification Method: | Protein A purification |
| Size: | 100ug, 1000 µg/ml | GeneID (NCBI): | 3916 | CloneNo.: | 242116F1 |
| Source: | Rabbit | ENSEMBL Gene ID: | ENSG00000185896 | | |
| Isotype: | IgG | UNIPROT ID: | P11279-1 | | |
| Immunogen Catalog Number: | EG2611 | Full Name: | lysosomal-associated membrane protein 1 | | |
| | | Calculated MW: | 45 kDa | | |

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).

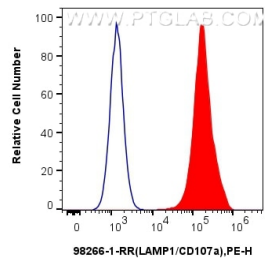
Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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)
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Selected Validation Data



1x10⁶ 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 IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).