

For Research Use Only

Anti-Human CD107a / LAMP1 Rabbit scFv Antibody

Catalog Number: SF98266-2-RR



Basic Information

Catalog Number: SF98266-2-RR	GenBank Accession Number: NM_005561.4	Purification Method: Affinity purification
Size: 100ug , Concentration: 1000 ug/ml by 3916 Nanodrop;	GeneID (NCBI): ENSEMBL Gene ID: ENSG00000185896	CloneNo.: 242116E8
Source: Rabbit	Full Name: lysosomal-associated membrane protein 1	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Type: scFv	Calculated MW: 45 kDa	
Immunogen Catalog Number: EG2611		

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : Jurkat cells,
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

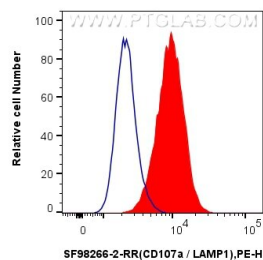
Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

*** 20ul sizes contain 0.1% BSA

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



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug Anti-Human CD107a / LAMP1 Rabbit scFv Antibody (SF98266-2-RR, Clone: 242116E8) (red) or Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6^{His}, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).