

For Research Use Only

Recombinant Mouse LAMP-1/CD107a protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3858

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse LAMP-1 protein Leu25-Asn370 (Accession# P11438) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
16783

Accession:
P11438

Predicted Molecular Mass:
64.1 kDa

SDS-PAGE:
90-100 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Lysosome-associated membrane protein-1 (LAMP1), which is also known as CD107a, is a heavily glycosylated molecule that forms a glycocalyx on the inner side of the lysosomal membrane to prevent damage to hydrolytic enzymes and degradation. Therefore, LAMP1 is normally expressed in endosomes and lysosomal substructures of cells and can also be found in the plasma membrane.

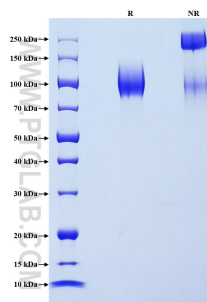
References

1. Saftig P, et al. Nat Rev Mol Cell Biol. 2009; 10:623-635
2. Peck R.F, et al. Mol Microbiol. 2008; 68:933-946
3. Fukuda M. J Biol Chem. 1991; 266:21327-21330
4. Parkinson-Lawrence E.J. Cell Immunol. 2005; 236:161-166

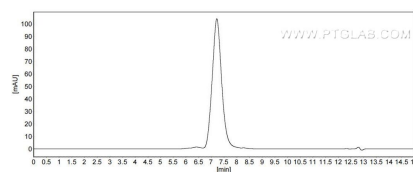
Synonyms

CD107a, Lamp1, Lamp 1

Selected Validation Data



Purity of Recombinant Mouse LAMP-1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse LAMP-1 was greater than 90% as determined by SEC-HPLC.

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

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