

For Research Use Only

Recombinant Human LAMP2/ CD107b protein (rFc Tag)



Catalog Number: Eg4998

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human LAMP2 protein Leu29-Phe375 (Accession# P13473-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
3920

Accession:
P13473-1

Predicted Molecular Mass:
64.6 kDa

SDS-PAGE:
80-110 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

LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis. Although LAMP-2 is localized primarily in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane under certain circumstances, e.g., after platelet activation, during granulocytic differentiation and activation, and in some tumor cells. LAMP2 is involved in lysosomal stability and autophagy. This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may play a role in tumor cell metastasis.

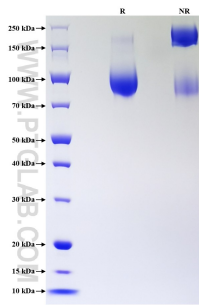
References

1. R Kundra, S Kornfeld. (1999) J Biol Chem. Oct 22;274(43):31039-46.
2. Eeva-Liisa Eskelinen, et al. (2002) Mol Biol Cell. Sep;13(9):3355-68.
3. V Sarafian, et al. (1998) Int J Cancer. Jan 5;75(1):105-11.

Synonyms

CD107b, LAMP2, CD107 antigen-like family member B, LAMP 2, LAMP-2

Selected Validation Data



Purity of Recombinant Human LAMP2 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.

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

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