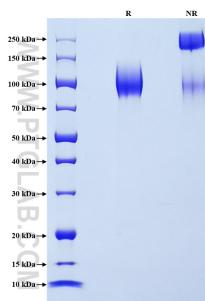


Recombinant Mouse LAMP-1/CD107a protein (rFc Tag) (HPLC verified)

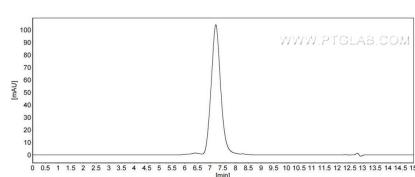
Catalog Number: Eg3858

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications			
	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC		
	Endotoxin Level: <0.1 EU/ µg 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 µm 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.		
	<ul style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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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