
Product Data Sheet

Product Name: LAMP3 Human
 Cat. No.: GP23795
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lysosomal-Associated Membrane Protein 3; DC-Lysosome-Associated Membrane Glycoprotein; DC LAMP; LAMP-3; DCLAMP; TSC403; Protein TSC403; CD208 Antigen; DC-LAMP; CD208; LAMP; Lysosome-associated membrane glycoprotein 3.		
Amino Acid Sequence	KAFPETRDYS QPTAAATVQD IKKPVQQPAK QAPHQTLAAR FMDGHITFQTAATVKIPTTT PATTKNTATT SPITYTLVTT QATPNNSHTA PPVTEVTVGP SLAPYSLPPT ITPPAHTTGTSSSTVSHTTG NTTQPSNQTT LPATLSIALH KSTTGQKPVQ PTHAPGTAA AHNTTRTAAPASTVPGPTLA PQPSSVKTGI YQVLNGSRLC IKAEMGIQLI VQDKESVFSRRYFNIDPNA TQASGNCGTR KSNLLNFQG GFVNLTFTKD EESYYISEVG AYLTVSDPET IYQGIKHAVVMFQTAVGHSF KCVSEQLQL SAHLQVKTTD VQLQAFDFED DHFGNVDECS SDYTLHHHHHHH.		
Formulation	LAMP3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Lysosomal-Associated Membrane Protein 3, also known as LAMP3 is part of the lysosome-associated membrane protein family. LAMP3 and CD68 share an extremely similar predicted structure. LAMP3 performs in dendritic cell function and in adaptive immunity as well. Furthermore, LAMP3 overexpression is actively involved in tumor invasion via increased migration into lymph-vascular spaces.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LAMP3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 362 amino acids (28-381 a.a.) and having a molecular mass of 38.8 kDa. (Molecular size on SDS-PAGE will appear at approximately 57-70 kDa). LAMP3 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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