Datasheet for ABIN7318713

LAMP1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	LAMP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAMP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LAMP1/CD107a Protein (His Tag)
Sequence:	Ala29-Met382
Characteristics:	Recombinant Human Lysosome-Associated Membrane Glycoprotein 1 is produced by our Mammalian expression system and the target gene encoding Ala29-Met382 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LAMP1
Alternative Name:	LAMP1/CD107a (LAMP1 Products)
Background:	Background: Lysosome-Associated Membrane Glycoprotein 1 (LAMP1) is a single-pass type I membrane protein belonging to the LAMP family. LAMP1 is expressed largely in the endosome-

Target Details

	lysosome membranes of cells.It shuttles between lysosomes, endosomes, and the plasma membrane. LAMP1 functions to present carbohydrate ligands to selectins and it has also been implicated in tumor cell metastasis. It has been proposed LAMP1 can be used as a therapeutic agent for certain cancers, as well as a marker for lysosomal storage disorders and degranulation on lymphocytes such as CD8+ and NK cells. Cell surface LAMP1 and LAMP2 have been shown to promote adhesion of human peripheral blood mononuclear cells(PBMC) to vascular endothelium, therefore they are possibly involved in the adhesion of PBMCs to the site of inflammation. Synonym: Lysosome-Associated Membrane Glycoprotein 1, LAMP-1, Lysosome-Associated Membrane Protein 1, CD107 Antigen-Like Family Member A, CD107a, LAMP1,CD107a,LAMPA,LGP120
Molecular Weight:	39.4 kDa
UniProt:	P11279
Pathways:	Autophagy

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.