Datasheet for ABIN7520304

LAMP1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	LAMP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAMP1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human LAMP-1/CD107a Protein
Sequence:	AMFMVKNGNG TACIMANFSA AFSVNYDTKS GPKNMTFDLP SDATVVLNRS SCGKENTSDP SLVIAFGRGH TLTLNFTRNA TRYSVQLMSF VYNLSDTHLF PNASSKEIKT VESITDIRAD IDKKYRCVSG TQVHMNNVTV TLHDATIQAY LSNSSFSRGE TRCEQDRPSP TTAPPAPPSP SPSPVPKSPS VDKYNVSGTN GTCLLASMGL QLNLTYERKD NTTVTRLLNI NPNKTSASGS CGAHLVTLEL HSEGTTVLLF QFGMNASSSR FFLQGIQLNT ILPDARDPAF KAANGSLRAL QATVGNSYKC NAEEHVRVTK AFSVNIFKVW VQAFKVEGGQ FGSVEECLLD ENSM
Specificity:	Ala29-Met382
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human LAMP1 at 1 µg/mL

Product Details

	(100 µL/well) can bind LAMP1 Rabbit pAb with a linear range of 1-8.5 ng/mL.

Target Details

Target:	LAMP1
Alternative Name:	LAMP-1/CD107a (LAMP1 Products)
Background:	Description: Lysosomal associated membrane protein 1 (LAMP1), also known as CD107a, is a single-pass type I membrane protein which belongs to the LAMP family.LAMP-1 is a glycoprotein highly expressed in lysosomal membranes.This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis. LAMP-1 acts as a receptor for Lassa virus protein. LAMP1 is presented on the plasma membrane during the activation of NK cells, CD8+ T cells, mast cells, basophils, monocytes, and platelets. Name: LAMP1, CD107a, LAMPA, LGP120, lysosomal associated membrane protein 1,CD107a,LAMPA,LGP120
Gene ID:	3916
UniProt:	P11279-1
Pathways:	Autophagy

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.