

32-13289: LAMP1 Human

Alternative Name : Lysosome-associated membrane glycoprotein 1, LAMP1, CD107a, LAMPA, LGP120, LAMP-1, CD107 antigen-like family member A.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Lysosomal-Associated Membrane Protein 1 (LAMP1) is a part of the LAMP family. LAMP1 is a membrane protein which is expressed in the endosome-lysosome membranes of cells and is implicated in tumor cell metastasis. A glycoform of LAMP1 is expressed on the surface of activated macrophages and promotes T cell costimulation and a Th1 biased immune response.

LAMP1 is also found on the plasma membrane during the activation of NK cells, CD8 & T cells, monocytes, basophils, and platelets.

LAMP1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 363 amino acids (29-382a.a.) and having a molecular mass of 39.4kDa. (Molecular size on SDS-PAGE will appear at approximately 57-70kDa). LAMP1 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : LAMP1 protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPAMFMVKN GNGTACIMAN FSAAFSVNYD TKSGPKNMTF DLPSDATVVL NRSSCGKENT
SDPSLVIAFG RGHTLTNLFT RNATRYSVQL MSFVYNLSDT HLPFNASSKE IKTVESITDI
RADIDKKYRC VSGTQVHMNN VTVTLHDATI QAYLSNSSFS RGETRCEQDR
PSPTTAPPAPPSPSPSPV PK SPSVDKYNVS GTNGTCLLAS MGLQLNLTYE RKDNTTVTRL
LNINPNKTS A SGSCGAHLVT LELHSEGTTV LLFQFGMNAS SSRFFLQGIQ LNTILPDARD
PAFKAANGSL RALQATVGNS YKCNAAEEHVR VTKAFSVNIF KVWVQAFKVE GGQFGSVEEC
LLDENSMHHHHHH