

# Human Lysosome-Associated Membrane Glycoprotein 1, LAMP1 ELISA Kit | LAMP1 elisa kit

Human Lysosome-Associated Membrane Glycoprotein 1, LAMP1 Primacu ELISA Kit

CATALOG #  
**AAA124334**

REACTIVITY  
**Human**

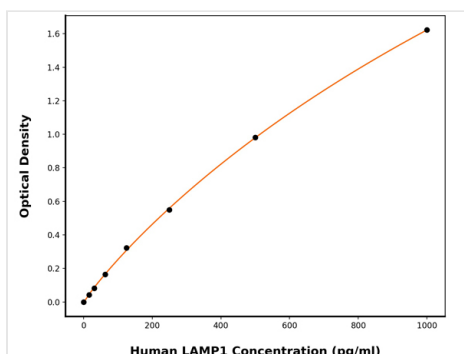
## PRODUCT SYNONYMS

Lysosome-Associated Membrane Glycoprotein 1; LAMP1; Human Lysosome-Associated Membrane Glycoprotein 1; LAMP1 Primacu ELISA Kit; Lysosome-associated membrane glycoprotein 1; LAMP1 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                        |
|-------------------------|----------------------------------------|
| Reactivity              | Human                                  |
| Assay Type              | Sandwich                               |
| Samples                 | Serum, plasma, cell culture supernates |
| Detection Range         | 15.63-1000pg/mL                        |
| Sensitivity             | 2.94pg/mL                              |
| Standard Solution       | 10ng/mL                                |
| Assay Time              | 3.5h                                   |
| Preparation and Storage | Store at 2-8 degree C                  |

## IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LAMP1 elisa kit | Lysosome-associated membrane glycoprotein 1, also known as CD107 antigen-like family member A, CD107a, and LAMP1, is a single-pass type I membrane protein that belongs to the LAMP family. CD107a is expressed largely in the endosome-lysosome membranes of cells but is also found on the plasma membrane (1-2% of total LAMP1). LAMP1 has been implicated in a variety of cellular functions, including cancer metastasis. It has been proposed LAMP1 serves as a therapeutic agent for some cancers, as well as a marker for lysosomal storage disorders and different cell types such as cytotoxic T cells. LAMP2, also known as CD107b, may also play a role in tumor cell metastasis and functions in the protection, maintenance, and adhesion of the lysosome. 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. LAMP-1 is a glycoprotein highly expressed in lysosomal membranes. The present study was initiated to test LAMP-1 mRNA and protein levels in post mortem frontal cortex (area 8) of Alzheimer's disease (AD) stages I-IIA/B and stages V-VIC of Braak and Braak, compared with age-matched controls. LAMP-1 occurred in microglia and multinucleated giant cells in one AD case in which amyloid burden was cleared following beta A-peptide immunization. Also, LAMP-1 has been suggested to be a cell surface receptor for a specific amelogenin isoform, leucine-rich amelogenin peptide, or LRAP. LAMP-1 can serve as a cell surface binding site for amelogenin on dental follicle cells and cementoblasts. |
| Product Categories/Family for LAMP1 elisa kit   | Primacu ELISA Kit; Immunology; Microbiology; Stem cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 112380628                                                                                                                       |
| NCBI GeneID                      | 3916                                                                                                                            |
| NCBI Accession #                 | NP_005552.3                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_005561.3                                                                                                                     |
| UniProt Accession #              | P11279; Q8WU33; Q96I40; Q9BRD2; Q9NP13                                                                                          |
| Molecular Weight                 | 44,882 Da                                                                                                                       |
| NCBI Official Full Name          | lysosome-associated membrane glycoprotein 1                                                                                     |
| NCBI Official Synonym Full Names | lysosomal-associated membrane protein 1                                                                                         |
| NCBI Official Symbol             | LAMP1                                                                                                                           |
| NCBI Official Synonym Symbols    | LAMPA; CD107a; LGP120                                                                                                           |
| NCBI Protein Information         | lysosome-associated membrane glycoprotein 1; LAMP-1; CD107 antigen-like family member A; lysosome-associated membrane protein 1 |
| UniProt Protein Name             | Lysosome-associated membrane glycoprotein 1                                                                                     |
| UniProt Gene Name                | LAMP1                                                                                                                           |
| UniProt Synonym Gene Names       | LAMP-1                                                                                                                          |
| UniProt Entry Name               | LAMP1_HUMAN                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lysosome-associated-membrane-glycoprotein-1-lamp1/124334>