

Recombinant Human LAMP1 Protein

Catalog #	Source	Reactivity	Applications
CRP1876	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human LAMP1 Protein is produced by our mammalian expression system and the target gene encoding Ala29-Met382 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol LAMP1

Alternative Names Lysosome-associated membrane glycoprotein 1; LAMP-1; Lysosome-associated membrane protein 1; CD107 antigen-like family member A; CD107a

Entrez Gene 3916 (Human)

SwissProt P11279 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure AMFMVKNNG TACIMANFSA AFSVNYDTKS GPKNMTFDLP SDATVVLNRS
 SCGKENTS DP SLVIAFGRGH TLTLNFTRNA TRYSVQLMSF VYNLS DTHLF PNAS SKEIKT
 VESITDIRAD IDKKYRCVSG TQVHMNNVTV TLHDATI QAY LSNSSFSRGE TRCEQDRPSP
 TTAPPAPPSP SPSVPKSPS VDKYNVSGTN GTCLLAS MGL QLNLT YERKD NTTVTRLLNI
 NPNKTSASGS CGAHLVTLEL HSEGTTVLLF QFGMNASSSR FFLQGIQLNT ILPDARDPAF
 KAANGSLRAL QATVGNSYKC NAEHVRVTK AFSVNIFKVV VQAFKVEGGQ FGSVEECLLD
 ENSMVDDIEG RMDEPKSCDK THTCPPCAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV
 VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSLTVLHQD WLNGKEYKCK
 VSNKALPAPI EKTISKAKGQ PREPQVYTL PPSREEMTKNQ VSLTCLVKGF YPSDIAVEWE
 SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL S
 LSPGK

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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