

## Recombinant Mouse CD107a Protein

Catalog #	Source	Reactivity	Applications
CRP2863	Human cells	Mouse	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Mouse CD107a Protein is produced by mammalian expression system and the target gene encoding Leu25-Asn370 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
<b>Gene Symbol</b>	LAMP1		
<b>Alternative Names</b>	Lysosome-associated membrane glycoprotein 1; LAMP-1; Lysosome-associated membrane protein 1; CD107 antigen-like family member A; CD107a		
<b>Entrez Gene</b>	16783 (Mouse)		
<b>SwissProt</b>	P11438 (Mouse)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	LFEVKNGTTCIMASFSASF LTTYETANGS QIVNISLPAS AEVLKNGSSC GKENVSDPSL TITFGRGYLL TLNFTKNTR YSVQHMYFTY NLSDTEHFPN AISKEIYTMD STTDIKADIN KAYRCVSDIR VYMKNVTVVL RDATIQAYLS SGNFSKEETH CTQDGPSPTT GPPSPSPPLV PTNPTVSKYN VTGNNGTCLL ASMALQLNIT YLKKDNKTVT RAFNISPNDT SSGSCGINLV TLKVENKNRA LELQFGMNAS SSLFFLQGVR LNMTLPDALV PTFSISNHSL KALQATVGNS YKCNTTEHIF VSKMLSLNVF SVQVQAFKVD SDRFGSVEEC VQDGNNHHHH HH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**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

## 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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