

## Anti-LAMP1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

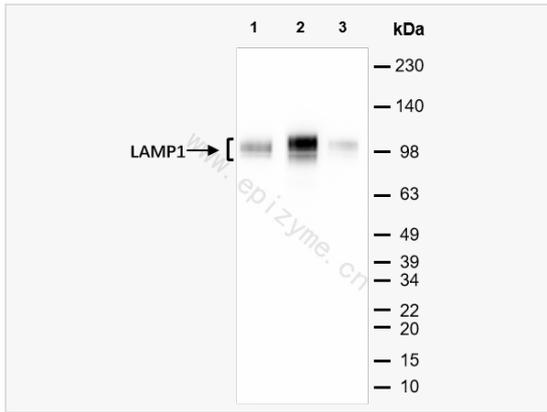
Catalog # M014451

### Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	61F18S79
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human LAMP1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LAMP1 Mouse mAb [15L61K71] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	CD107 antigen like family member A, CD107 antigen-like family member A, CD107a, CD107a antigen, LAMP 1, LAMP-1, LAMP1, LAMP1_HUMAN, LAMPA, LGP120, lgpA, Lysosomal membrane glycoprotein 120KD, Lysosomal Associated Membrane Protein 1, Lysosome associated membrane glycoprotein 1, Lysosome-associated membrane glycoprotein 1, Lysosome-associated membrane protein 1, OTTHUMP00000040663.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 90-120 kDa
Uniprot ID	P11279
Gene ID	3916
Background	Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation, autophagy and cholesterol homeostasis. Acts as an important regulator of lysosomal lumen pH regulation by acting as a direct inhibitor of the proton channel TMEM175, facilitating lysosomal acidification for optimal hydrolase activity.
Cellular Location	Cell membrane. Endosome membrane. Lysosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.



Western Blot - Anti-LAMP1 Mouse mAb [15L61K71]

All lanes: M014451 at 1:2,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 45 kDa

Observed band size: 90-120 kDa

Developed using the ECL technique (Cat. No. SQ201).