LAMP1 / CD107a Antibody, Mouse MAb

Catalog Number: **11215-MM07**

GENERAL INFORMATION	
Immunogen:	Recombinant Human LAMP1 protein (Catalog#11215-H08H)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human LAMP1 extracellular domain (rh LAMP1; Catalog#11215-H08H; NP_005552.3; Met 1-Met 382). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	07
Specificity:	Human LAMP1 / CD107a
Formulation:	20mM HEPES, 150mM NaCl, 8% Sucrose, 0.02% Tween80, pH8.0
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	CD107a,LAMPA,LGP120
APPLICATIONS	
Applications:	ELISA,ELISA(Det),IHC-P,ICC/IF,IP
RECOMMENDED CONCENTRATION	
IHC-P	IHC-P: 1:50-1:200
ICC/IF	ICC/IF: 1:20-1:100
Immunoprecipitation	IP: 1-4 μL/mg of lysate
ELISA	ELISA: 1:1000-1:2000 This antibody can be used at 1:1000-1:2000 with the appropriate secondary reagents to detect Human LAMP1.
Sandwich ELISA (Detection Ab)	ELISA(Det): 1:1000-1:10000 This antibody will detect Human LAMP-1 / CD107a / LAMP1 in ELISA pair set (Catalog: # SEK11215). In a sandwich ELISA, it can be used as detection antibody when paired with (Catalog: # 11215-MM09).

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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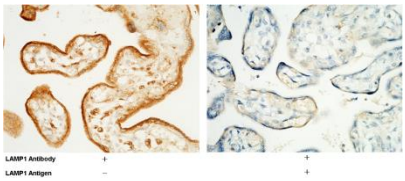
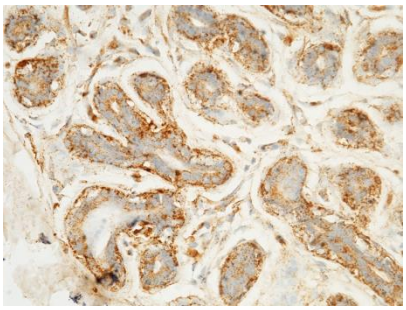
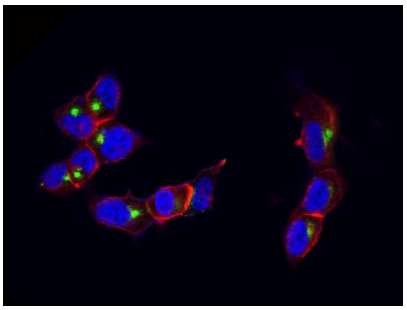


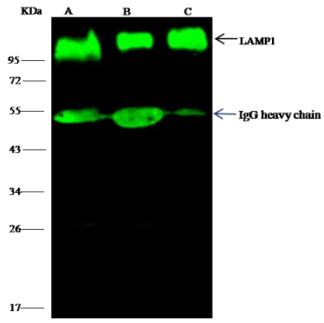
Immunochemical staining of human LAMP1 in human placenta with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



Immunochemical staining of human LAMP1 in human breast carcinoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



Confocal immunofluorescence analysis of Human LAMP1 in MCF7 cells. Cells were fixed with 4% PFA, permeabilzed with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human LAMP1 monoclonal antibody (1:60). Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody, countstained with Alexa Fluor® 546-conjugated phallotoxins (red) and DAPI (blue). Positive staining was localized to lysosome membrane.



LAMP1 was immunoprecipitated using:
Lane A:0.5 mg Hela Whole Cell Lysate
Lane B:0.5 mg Jurkat Whole Cell Lysate
Lane C:0.5 mg Daudi Whole Cell Lysate

4 µL anti-LAMP1 mouse monoclonal antibody and 15 µl of 50 % Protein G agarose.

Primary antibody:
Anti-LAMP1 mouse monoclonal antibody,at 1:100 dilution

Secondary antibody:
Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution

Developed using the odssey technique.
Performed under reducing conditions.

Predicted band size: 45 kDa
Observed band size: 113 kDa