

# [KD Validated] LAMP1/CD107a Rabbit mAb

Catalog No.: A21194 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

42kDa,90-120kDa

### Calculated MW

38kDa/45kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,FC (intra),ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC52154

## Background

The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis.

## Recommended Dilutions

**WB** 1:10000 - 1:40000

**IHC-P** 1:500 - 1:5000

**IF/ICC** 1:200 - 1:2000

**FC (intra)** 1:100 - 1:500

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

3916

### Swiss Prot

P11279

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 29-382 of human LAMP1/CD107a (NP\_005552.3).

### Synonyms

LAMPA; CD107a; LGP120

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

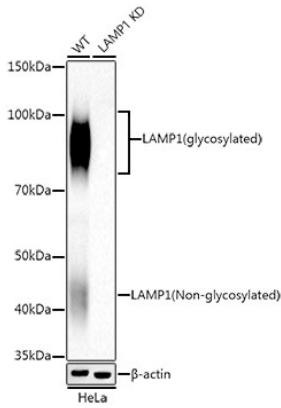
Affinity purification

### Storage

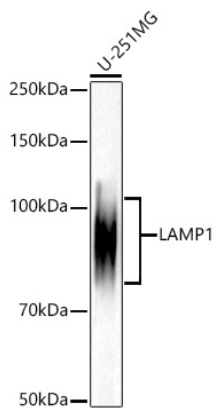
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

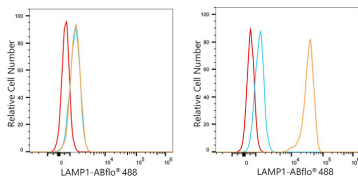
## Validation Data



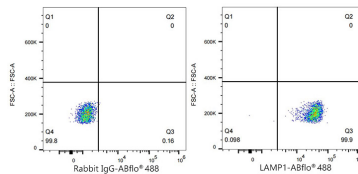
Western blot analysis of lysates from wild type (WT) and LAMP1 knockdown (KD) HeLa cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 20s.



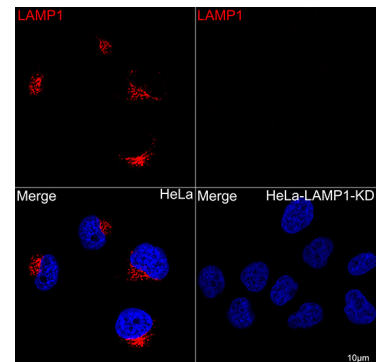
Western blot analysis of lysates from U-251MG cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 20s.



Flow cytometry:  $1 \times 10^6$  knockdown (KD) HeLa cells (negative control, left) and HeLa cells (right) were intracellularly-stained with [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, 2.5 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



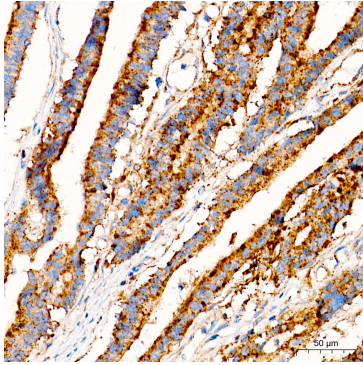
Flow cytometry:  $1 \times 10^6$  HeLa cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, 2.5 µg/mL, right).



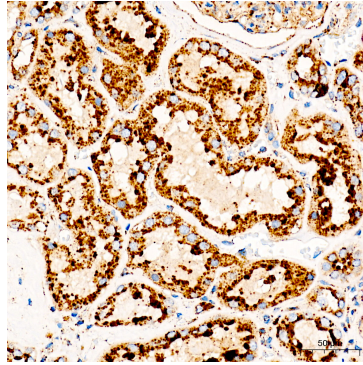
Confocal imaging of HeLa and HeLa-LAMP1-KD cells using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

## Validation Data

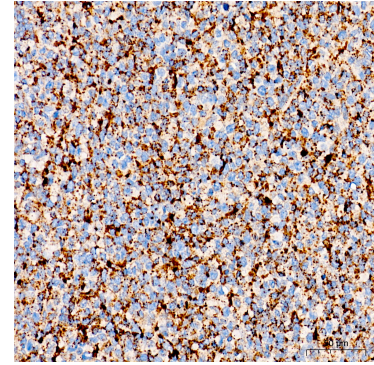
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Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.