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[KD Validated] LAMP1/CD107a Rabbit mAb

Catalog No.: A21194 Recombinant 5 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 protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
LAMPA; CD107a; LGP120

Contact

400-999-6126

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Product Information

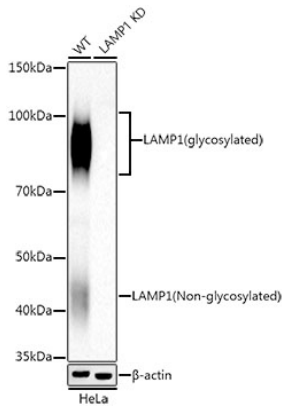
Source
Rabbit

Isotype
IgG

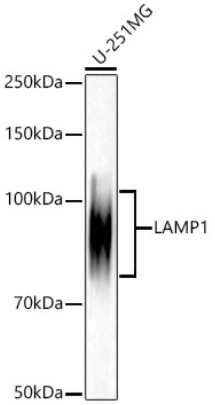
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

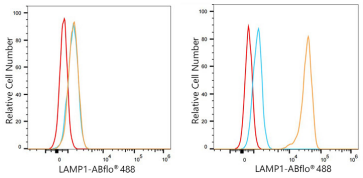
Validation Data



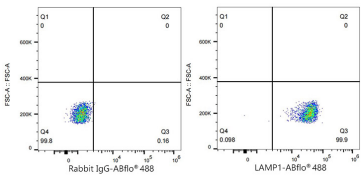
Western blot analysis of lysates from wild type (WT) and LAMP1 knockdown (KD) HeLa cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: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



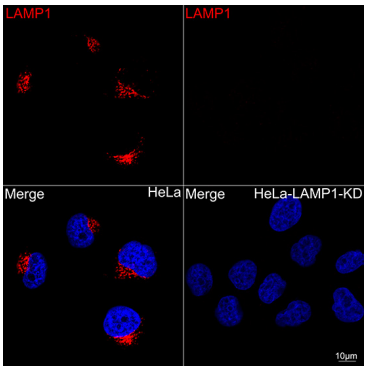
Western blot analysis of lysates from U-251MG cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



Flow cytometry: 1X10^6 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).

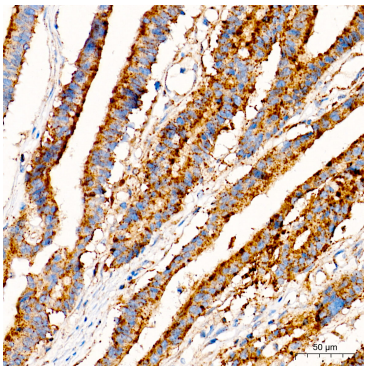


Flow cytometry: 1X10^6 HeLa cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or [KD Validated] LAMP1/CD107a Rabbit mAb (A21194,2.5 µg/mL,right).

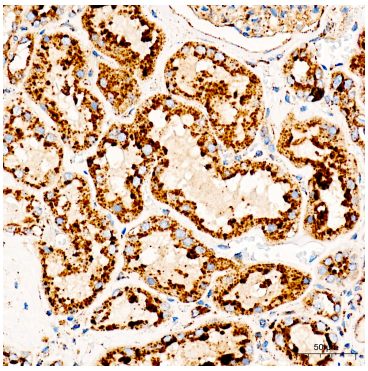


Confocal imaging of HeLa and HeLa-LAMP1-KD cells using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 100x.

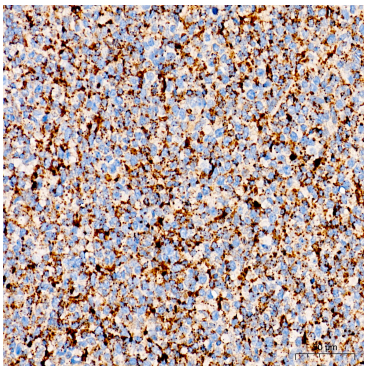
Validation Data



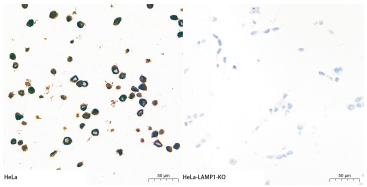
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



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.



Immunohistochemistry analysis of paraffin-embedded HeLa and HeLa-LAMP1-KO cells using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at a dilution of 1:2200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.