LAMP1 antibody [GT25212]

Cat. No. GTX634336

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-Fr
Reactivity	Human

References (6)

Review (1)

Package
100 µl, 25 µl

PRODUCT

Summary

LAMP1 antibody detects lysosome-associated membrane protein 1 (LAMP-1, or CD107a), a transmembrane glycoprotein that generally migrates at ~120 kDa on western blot. LAMP1 and LAMP2 are major protein components of lysosomal membranes, though both proteins appear to have a more dynamic distribution that includes endosomes, autolysosomes, and multivesicular bodies. Nevertheless, LAMP1 is often used as an indicator of lysosomes in cells.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-Fr	Assay dependent

Not tested in other applications.

Calculated MW 45 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human LAMP1. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

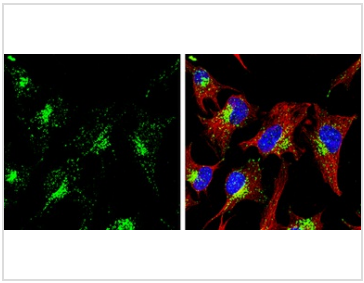
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

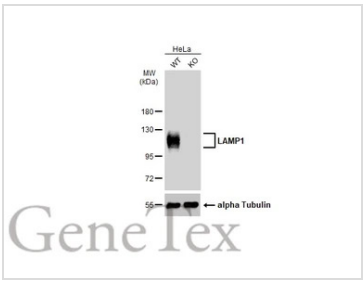
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



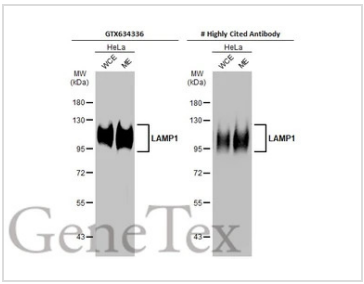
GTX634336 ICC/IF Image

LAMP1 antibody [GT25212] detects LAMP1 protein at lysosome by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: LAMP1 stained by LAMP1 antibody [GT25212] (GTX634336) diluted at 1:2000.
Red: alpha Tubulin 4a, a cytoskeleton marker, stained by alpha Tubulin 4a antibody (GTX112141) diluted at 1:500.
Blue: Hoechst 33342 staining.



GTX634336 WB Image

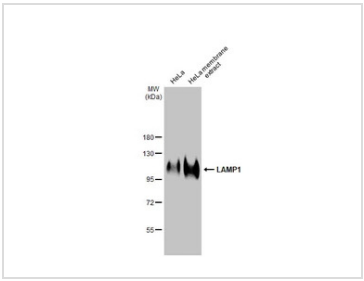
Wild-type (WT) and LAMP1 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with LAMP1 antibody [GT25212] (GTX634336) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX634336 WB Image

HeLa whole cell and membrane extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with LAMP1 antibody [GT25212] (GTX634336) diluted at 1:1000 and competitor's antibody diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody. (WCE: whole cell extract; ME: membrane extract)

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX634336 WB Image

HeLa whole cell and membrane extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with LAMP1 antibody [GT25212] (GTX634336) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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