

LAMP2 Monoclonal Antibody (H4B4)

Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	H4B4
Conjugate	Unconjugated
Immunogen	adherent spleen cells of human origin
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2662613

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	3 Publications
Immunocytochemistry (ICC/IF)	2-10 µg/mL	3 Publications
Flow Cytometry (Flow)	5-10 µg/mL	1 Publication

Product Specific Information

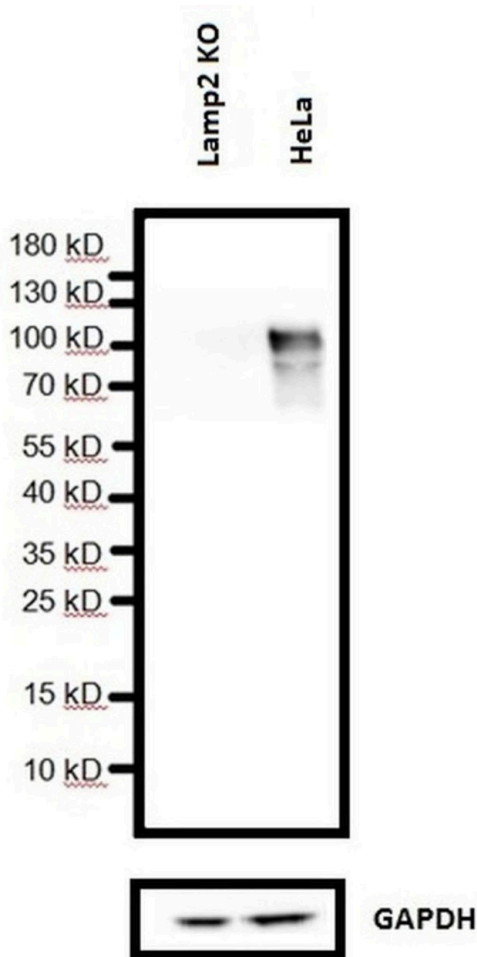
MA1-205 Lamp2 antibody detects Lamp2 by western blot, immunofluorescence and flow cytometry.

MA1-205 Lamp2 antibody detects Lamp2 by western blot at ~115kda which is larger than the protein itself due to heavy glycosylation.

Product Images For LAMP2 Monoclonal Antibody (H4B4)

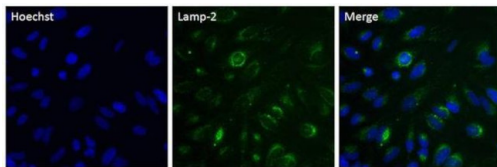
LAMP2 Antibody (MA1-205)

The specificity of anti-LAMP2 mouse monoclonal antibody (Product # MA1-205) was demonstrated by CRISPR targeted LAMP2 knockout in HeLa cells. Western blot analysis of whole cell lysates using this antibody showed no detection of LAMP2 protein expression in knockout cells (lane 1) compared to the glycosylated LAMP2 protein detected at ~110kDa in wildtype HeLa cells (lane 2). {KO}



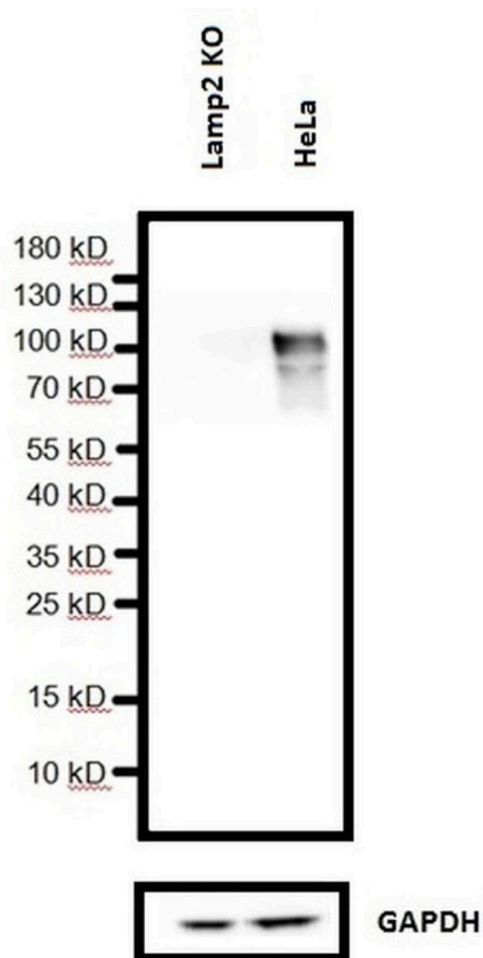
LAMP2 Antibody (MA1-205) in ICC/IF

Immunofluorescent analysis of LAMP-2 in HeLa cells. The cells were fixed with 4% paraformaldehyde in PBS for 15 minutes, permeabilized with 0.1% Triton X-100 for 15 minutes, and blocked with 3% BSA in PBS for 30 minutes at room temperature. Cells were stained with a LAMP-2 mouse monoclonal antibody (Product # MA1-205) at a dilution of 5 µg/mL in blocking buffer for 1 hour at room temperature, and then incubated with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:500 for at least 30 minutes at room temperature in the dark (green). Nuclei (blue) were stained with Hoechst 33342 (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



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Western Blot (3)

The Journal of biological chemistry

Exosome-mediated mRNA delivery in vivo is safe and can be used to induce SARS-CoV-2 immunity.

"MA1-205 was used in Western Blot to describe an alternative approach using exosomes, the only biologically normal nanovesicle."

Authors: Tsai SJ,Atai NA,Cacciottolo M,Nice J,Salehi A,Guo C,Sedgwick A,Kanagavelu S,Gould SJ

Year
2021

Species
Human

Autophagy

KIF5A-dependent axonal transport deficiency disrupts autophagic flux in trimethyltin chloride-induced neurotoxicity.

"MA1-205 was used in Western Blot to investigate the mechanism of induction of neurotoxicity by trimethyltin chloride."

Authors: Liu M,Pi H,Xi Y,Wang L,Tian L,Chen M,Xie J,Deng P,Zhang T,Zhou C,Liang Y,Zhang L,He M,Lu Y,Chen C,Yu Z,Zhou Z

Year
2021

Species
Mouse

[View more WB references on thermofisher.com](#)

Immunocytochemistry (3)

PLoS biology

A light-inducible protein clustering system for in vivo analysis of -synuclein aggregation in Parkinson disease.

"MA1-205 was used in Immunocytochemistry-immunofluorescence to provide a new tool for the generation, visualization, and dissection of the role of -syn aggregation in PD."

Authors: Bérard M,Sheta R,Malvaut S,Rodriguez-Aller R,Teixeira M,Idi W,Turmel R,Alpaugh M,Dubois M,Dahmene M,Salesse C,Lamontagne-Proulx J,St-Pierre MK,Tavassoly O,Luo W,Del Cid-Pellitero E,Qazi R,Jeong JW,Durcan TM,Vallières L,Tremblay ME,Soulet D,Lévesque M,Cicchetti F,Fon EA,Saghatelian A,Oueslati A

Year
2022

Species
Human

Dilution
1:200

ACS nano

Efficient Protein Transfection by Swarms of Chemically Powered Plasmonic Virus-Sized Nanorobots.

"MA1-205 was used in Immunocytochemistry-immunofluorescence to show that protein transfection mediated by such nanorobots is an important step forward, challenging the field of nanomedicine and having potential in future translational medical research."

Authors: Ressnerova A,Novotny F,Michalkova H,Pumera M,Adam V,Heger Z

Year
2021

Species
Human

[View more ICC/IF references on thermofisher.com](#)

More applications with references on thermofisher.com

Flow (1)

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