

Anti-Microtubule-associated proteins 1A/1B light chain 3A (MAP1LC3A) Antibody



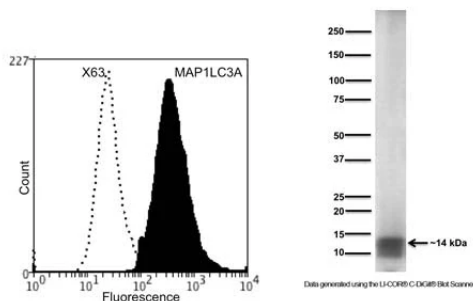
Product Details

Available Variants	100 µg (SKU:M-1725-100)
Conjugate	Unconjugated
Clone	BS405
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS, pH 7.4, containing 3% trehalose without preservatives.
Production Notes	Protein G purified mouse immunoglobulin
Applications	Flow, ICC, WB
Dilution Ranges	WB: 10 µg/mL ICC: 1-2 µg/mL
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide (C-RSFADRCKEVQQI) corresponding to amino acids 11-23 of human MAP1LC3 A protein was conjugated to a carrier protein and the complex used as the immunogen. This human sequence is homologous with mouse and rat MAP1LC3 A.
Specificity	WB confirmed binding of the antibody to a broad protein band with a Molecular Weight of ~14 kDa. Rat. The antibody is expected to react with mouse MAP1LC3A protein due to 100% sequence homology.
Molecular Weight	14 kDa
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives. After reconstitution divide into aliquots and store at -20°C for a higher stability. Antibody contains no preservatives. Store at 2-8°C with an

appropriate antibacterial agent. Use sterile methods. Highest purity Glycerol (1:1) may be added for an additional stability when stored at refrigerated or freezing temperatures. Avoid repetitive freeze/thaw cycles.

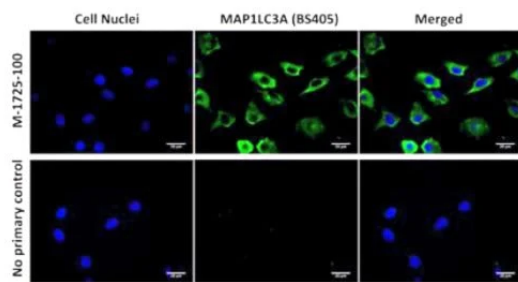
UniProt ID	Q9H492
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Flow cytometry analysis of human SHSY-5Y cells of MAP1LC3A with M-1725-100. Fixing and Permeabilization of cells: Absolute methanol and 0.1% Tween-20 in PBS, Primary antibody: Mouse Monoclonal antibody to MAP1LC3A (cat # M-1725-100, 2 µg per ~10⁶ cells) for 15 minutes at room temperature, Secondary antibody: Goat anti-mouse PE labelled secondary antibody (1:1000 fold dilution) with incubation for 15 minutes in dark at room temperature. Non-specific Control IgG, clone X63 (cat # M-1249-200) was used under same conditions as negative control (black dashed). Flow cytometry data and results were generated using Orflo Moxiflow instrument and protocols. The data demonstrates specific staining of MAP1LC3A expressed in human neuronal cell line SHSY-5Y using cat # M-1725-100.

Right: Detection of MAP1LC3A in human SHSY-5Y cell lysates (20 µg/lane) by Western Blotting. SDS-PAGE: 4-20% Bis-Tris denatured, reduced; Transfer: Tris-Glycine buffer; Membrane: nitrocellulose (0.2 µm); Blocking: 5% skim milk in TBST, 1 hour at RT; Primary antibody: overnight at 4°C (10 µg/mL); Secondary antibody: anti-mouse-HRP (1/10000) 2 hours at RT; Detection: Enhanced Chemiluminescence Substrate with LiCor C-DiGit Blot Scanner. The broad band seen on WB indicates binding of Cat # M-1725-100 to a broad protein band with a Molecular Weight of ~14 kDa. Predicted molecular weight of MAP1LC3A is ~14.5 kDa.



Immunofluorescence analysis of MAP1LC3A expression in rat C6 glioma cells. Fixed (4% formaldehyde), permeabilized, and blocked (10% normal horse serum, 0.1% Triton X100) C6 cells were incubated with MAP1LC3A antibody M-1725-100 (2 μ g/mL, green) for 1 hour. Primary antibody binding was visualized with a secondary donkey anti-mouse-CF488A antibody (4 μ g/mL, 1 hour incubation). Cell nuclei were stained with Hoechst dye (blue). MAP1LC3A-IR is observed throughout the cytoplasm. Magnification: 100x.

Product Page URL: www.antibodiesinc.com/products/anti-microtubule-associated-proteins-1a-1b-light-chain-3a-map1lc3a-antibody-m-1725-100



Created on 12. September 2026 | All information without guarantee