

Human Microtubule-Associated Proteins 1A/1B Light Chain 3C (MAP1LC3C) ELISA Kit | MAP1LC3C elisa kit

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CATALOG # AAA331888	REACTIVITY Human
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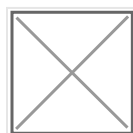
PRODUCT SYNONYMS

Microtubule-Associated Proteins 1A/1B Light Chain 3C (MAP1LC3C); Human Microtubule-Associated Proteins 1A/1B Light Chain 3C (MAP1LC3C) ELISA Kit; MAP1LC3C; LC3C; LC3-like protein 2; MAP1 light chain 3-like protein 2; MAP1LC3C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated proteins 1A/1B light chain 3C (MAP1LC3C) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAP1LC3C. No significant cross-reactivity or interference between Human MAP1LC3C and analogues was observed.
Sequence Length	147
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Microtubule-associated proteins 1A/1B light chain 3C (MAP1LC3C) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAP1LC3C elisa kit	Description: This Human Microtubule-associated proteins 1A/1B light chain 3C (MAP1LC3C) ELISA Kit employs a two-site sandwich ELISA to quantitate MAP1LC3C in samples. An antibody specific for MAP1LC3C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAP1LC3C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAP1LC3C is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAP1LC3C bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Autophagy is a highly regulated bulk degradation process that plays an important role in cellular maintenance and development. MAP1LC3C is 1 of 3 orthologs of the yeast autophagosome protein Atg8. The deduced 147-amino acid protein shares 55% identity with rat Map1lc3. Northern blot analysis detected a 1.9-kb transcript expressed predominantly in placenta, lung, and ovary, with little to no expression in other tissues examined. Western blot analysis of transfected human embryonic kidney cells detected MAP1LC3C proteins of about 16 and 15.5 kD. MAP1LC3C underwent C-terminal cleavage after the conserved residue gly120. Gly120 was required for posttranslational modification of the MAP1LC3C protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51972260
NCBI GeneID	440738
NCBI Accession #	NP_001004343
NCBI GenBank Nucleotide #	NP_001004343.1
UniProt Accession #	Q9BXW4
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3C
NCBI Official Synonym Full Names	microtubule associated protein 1 light chain 3 gamma
NCBI Official Symbol	MAP1LC3C
NCBI Official Synonym Symbols	LC3C; ATG8J
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3C
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3C
UniProt Gene Name	MAP1LC3C
UniProt Synonym Gene Names	MAP1A/MAP1B LC3 C
UniProt Entry Name	MLP3C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/microtubule-associated-proteins-1a-1b-light-chain-3c-map1lc3c/331888>