

Mouse MAP1LC3A (Microtubule-associated proteins 1A/1B light chain 3A) ELISA Kit | MAP1LC3A elisa kit

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CATALOG #
AAA102642

REACTIVITY
Mouse

PRODUCT SYNONYMS

MAP1LC3A (Microtubule-associated proteins 1A/1B light chain 3A); Mouse MAP1LC3A (Microtubule-associated proteins 1A/1B light chain 3A); MAP1LC3A/Apg8/APG8a/Apg8p3/ATG8E/MAP1ALC3/MLP3A/ATG8E/Autophagy-related protein LC3 A/Autophagy-related ubiquitin-like modifier LC3 A/LC3/LC3A/lc3-i; ii/MAP1A/1B light chain 3 A/MAP1ALC3MAP1A/MAP1B LC3 A/MAP1BLC3MAP1A/MAP1B light chain 3 A/microtubule-associated protein 1 light chain 3 alphaMAP1 light chain 3-like protein 1/microtubule-associated proteins 1A/1B light chain 3/microtubule-associated proteins 1A/1B light chain 3A; MAP1LC3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MAP1LC3A . No significant cross-reactivity or interference between MAP1LC3A and analogues was observed.
Sequence Length	125
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAP1LC3A were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAP1LC3A were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a MAP1LC3A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.004	0.178	0.327	0.659	1.018	1.644	1.827	2.297

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP1LC3A elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MAP1LC3A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MAP1LC3A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MAP1LC3A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MAP1LC3A can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31563518
NCBI GeneID	84557
NCBI Accession #	NP_852610.1
NCBI GenBank Nucleotide #	NM_181509.2
Molecular Weight	14,493 Da
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3A isoform b
NCBI Official Synonym Full Names	microtubule associated protein 1 light chain 3 alpha
NCBI Official Symbol	MAP1LC3A
NCBI Official Synonym Symbols	LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3A
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3A
UniProt Gene Name	MAP1LC3A
UniProt Synonym Gene Names	MAP1A/MAP1B LC3 A
UniProt Entry Name	MLP3A_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.