

Human Microtubule associated proteins 1A/1B light chain 3B ELISA Kit | LC3B elisa kit

Human Microtubule associated proteins 1A/1B light chain 3B ELISA Kit

CATALOG #
AAA27396

REACTIVITY
Human

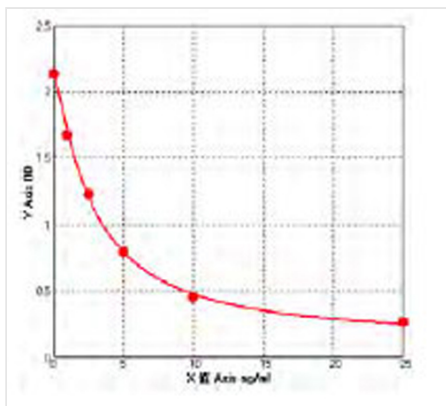
PRODUCT SYNONYMS

Microtubule associated proteins 1A/1B light chain 3B; Human Microtubule associated proteins 1A/1B light chain 3B ELISA Kit; LC3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAP1LC3B. No significant cross-reactivity or interference between MAP1LC3B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MAP1LC3B and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	125
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LC3B elisa kit	Intended Uses: This MAP1LC3B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MAP1LC3B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MAP1LC3B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MAP1LC3B antibody and an MAP1LC3B-HRP conjugate. The assay sample and buffer are incubated together with MAP1LC3B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MAP1LC3B concentration since MAP1LC3B from samples and MAP1LC3B-HRP conjugate compete for the anti-MAP1LC3B antibody binding site. Since the number of sites is limited, as more sites are occupied by MAP1LC3B from the sample, fewer sites are left to bind MAP1LC3B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAP1LC3B concentration in each sample is interpolated from this standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	12383056
NCBI GeneID	81631
NCBI Accession #	NP_073729.1
NCBI GenBank Nucleotide #	NM_022818.4
UniProt Accession #	Q9GZQ8; Q6NW02
Molecular Weight	14,688 Da
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3B
NCBI Official Synonym Full Names	microtubule associated protein 1 light chain 3 beta
NCBI Official Symbol	MAP1LC3B
NCBI Official Synonym Symbols	LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3B
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3B
UniProt Gene Name	MAP1LC3B
UniProt Synonym Gene Names	MAP1ALC3; MAP1A/MAP1B LC3 B

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.