

# Bovine Microtubule-associated proteins 1A/1B light chain 3A (MAP1LC3A) ELISA Kit

Catalog No: #EK9938

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Package Size: #EK9938-1 48T #EK9938-2 96T

## Description

Product Name	Bovine Microtubule-associated proteins 1A/1B light chain 3A (MAP1LC3A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	RP11-346K17.1; LC3; LC3A; MAP1ALC3; MAP1BLC3; MAP1 light chain 3-like protein 1 MAP1A/1B light chain 3 A MAP1A/MAP1B LC3 A OTTHUMP00000030698 microtubule-associated proteins 1A/1B light chain 3
Accession No.	Q2HJ23
Uniprot	Q2HJ23
GeneID	514547;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate MAP1LC3A in samples. An antibody specific for MAP1LC3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAP1LC3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAP1LC3A 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 MAP1LC3A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene.The deduced 121-amino acid protein shares 81% identity with rat Map1lc3. Northern blot analysis detected a 1.1-kb transcript in most tissues examined, with highest expression in heart, brain, liver, skeletal muscle, and testis. No MAP1LC4A expression was detected in thymus and peripheral blood leukocytes.

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Note: This product is for in vitro research use only