

Bovine Microtubule-Associated Proteins 1A/1B Light Chain 3A (MAP1LC3A) ELISA Kit-Sandwich

Cat. No.: EK11F777

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Microtubule-Associated Proteins 1A/1B Light Chain 3A (MAP1LC3A) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Microtubule-Associated Proteins 1A/1B Light Chain 3A (MAP1LC3A) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine MAP1LC3A.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Bovine Microtubule-Associated Proteins 1A/1B Light Chain 3A is encoded by the *MAP1LC3A* gene in cattle. It plays significant role in cellular processes, particularly autophagy. MAP1LC3A is one of the mammalian homologues of yeast ATG8, an important marker and effector of autophagy. Porcine MAP1LC3A is 100% identical to that of other mammals, with the exception of a residue variation at Cys-16, which is replaced by Arg in humans, mice, and cows.

Target/Biomarker	Bovine MAP1LC3A
Target Synonym	microtubule associated protein 1 light chain 3 alpha; microtubule-associated protein 1A/1B light chain 3A; MAP1 light chain 3-like protein 1; MAP1A/1B light chain 3 A; MAP1A/MAP1B LC3 A; MAP1A/MAP1B light chain 3 A; autophagy-related protein LC3 A; autophagy-related ubiquitin-like modifier LC3 A
Gene ID	514547

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

Reference

Kim, S. H. *et al.* Molecular cloning and expression analyses of porcine MAP1LC3A in the granulosa cells of normal and miniature pig. *Reproductive Biology and Endocrinology*. 2013, 11: 8.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.