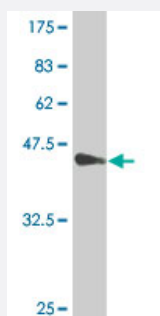


MYL4 monoclonal antibody (M01), clone 1A11-C8

Catalog # H00004635-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (47.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MYL4.
Immunogen	MYL4 (AAH30228, 1 a.a. ~ 197 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPKKPEPKKEAAKPAPAPAPAPAPAPAPAPEAPKEPAFDPKSVKIDFTADQIEEFKEAFSLFD RTPTGEMKITYGQCGLVLRALGQNPTNAEVLRLVLGKPKPEEMNVKMLDFETFLPILQHISRNKEQ GTYEDFVEGLRVFDKESNGTVMGAELRHVLATLGEKMTEAEVEQLLAGQEDANGCINYEAFVKHI MSG
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MYL4

Entrez GeneID	4635
GeneBank Accession#	BC030228
Protein Accession#	AAH30228
Gene Name	MYL4
Gene Alias	ALC1, AMLC, GT1, PRO1957
Gene Description	myosin, light chain 4, alkali; atrial, embryonic
Omim ID	160770
Gene Ontology	Hyperlink
Gene Summary	Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and a dult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	atrial/embryonic alkali myosin light chain myosin, atrial/fetal muscle, light chain myosin, light polypeptide 4, alkali; atrial, embryonic

Publication Reference

- [Myosin light-chain 4 gene-transfer attenuates atrial fibrosis while correcting autophagic flux dysregulation.](#)

Yuan Zhong, Kai Tang, Stanley Nattel, Ming Zhai, Shiyu Gong, Qing Yu, Yanxi Zeng, Guangxi E, Nuerbiyemu Maimaitaili, Jun Wang, Yawei Xu, Wenhui Peng, Hailing Li.

Redox Biology 2023 Jan; 60:102606.

Application: WB, Rat, Rat atrium, Rat primary neonatal atrial cardiomyocytes (NRAMs)

- [Embryonic Essential Myosin Light Chain Regulates Fetal Lung Development in Rats.](#)

Santos M, Moura RS, Gonzaga S, Nogueira-Silva C, Ohlmeier S, Correia-Pinto J.

American Journal of Respiratory Cell and Molecular Biology 2007 May; 37(3):330.

Application: IHC-P, WB, Rat, Rat lung

Pathway

- [Cardiac muscle contraction](#)