

Human Myosin Regulatory Light Chain 2, Atrial Isoform (MYL7) ELISA Kit | MYL2A elisa kit

Human Myosin Regulatory Light Chain 2, Atrial Isoform (MYL7) ELISA Kit

CATALOG # AAA331600	REACTIVITY Human
-------------------------------	----------------------------

PRODUCT SYNONYMS

Myosin Regulatory Light Chain 2; Atrial Isoform (MYL7); Human Myosin Regulatory Light Chain 2; Atrial Isoform (MYL7) ELISA Kit; MYL7; MYLC2A; myosin light chain 2a; myosin; light polypeptide 7; regulatory; MYL2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin regulatory light chain 2, atrial isoform (MYL7) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYL7. No significant cross-reactivity or interference between Human MYL7 and analogues was observed.
Sequence Length	175
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Myosin regulatory light chain 2, atrial isoform (MYL7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYL2A elisa kit	Description: This Human Myosin regulatory light chain 2, atrial isoform (MYL7) ELISA Kit employs a two-site sandwich ELISA to quantitate MYL7 in samples. An antibody specific for MYL7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYL7 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 MYL7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYL7 (Myosin Light Chain 7) is a Protein Coding gene. Diseases associated with MYL7 include Fechtner Syndrome and Familial Atrial Fibrillation. Among its related pathways are Activation of cAMP-Dependent PKA and Tight junction. GO annotations related to this gene include calcium ion binding. An important paralog of this gene is MYL5. Myosins are a large family of motor proteins that share the common features of ATP hydrolysis (ATPase enzyme activity), actin binding and potential for kinetic energy transduction. Originally isolated from muscle cells, almost all eukaryotic cells are known to contain myosins.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	10864037
NCBI GeneID	58498
NCBI Accession #	NP_067046.1
NCBI GenBank Nucleotide #	NP_067046.1
UniProt Accession #	Q01449
NCBI Official Full Name	myosin regulatory light chain 2, atrial isoform
NCBI Official Synonym Full Names	myosin light chain 7
NCBI Official Symbol	MYL7
NCBI Official Synonym Symbols	MYL2A; MYLC2A
NCBI Protein Information	myosin regulatory light chain 2, atrial isoform
UniProt Protein Name	Myosin regulatory light chain 2, atrial isoform
UniProt Gene Name	MYL7
UniProt Synonym Gene Names	MYL2A; MYLC2A; MLC-2a; MLC2a
UniProt Entry Name	MLRA_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.