

Human Myosin Regulatory Light Chain 12A (MYL12A) ELISA Kit | MYL12A elisa kit

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CATALOG #
AAA331607

REACTIVITY
Human

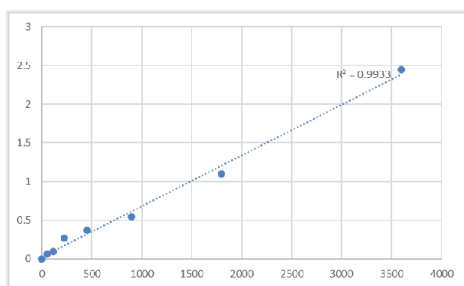
PRODUCT SYNONYMS

Myosin Regulatory Light Chain 12A (MYL12A); Human Myosin Regulatory Light Chain 12A (MYL12A) ELISA Kit; MYL12A; MLCB; MRCL3; MRLC3; MYL2B; myosin regulatory light chain 3; myosin regulatory light chain MRCL3; myosin regulatory light chain MRLC3; myosin; light polypeptide; regulatory; non-sarcomeric (20kD); MYL12A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin regulatory light chain 12A (MYL12A) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYL12A. No significant cross-reactivity or interference between Human MYL12A and analogues was observed.
Sequence Length	171
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 12A (MYL12A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYL12A elisa kit	Description: This Human Myosin regulatory light chain 12A (MYL12A) ELISA Kit employs a two-site sandwich ELISA to quantitate MYL12A in samples. An antibody specific for MYL12A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL12A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYL12A 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 MYL12A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYL12A encodes a nonsarcomeric myosin regulatory light chain. Myosin regulatory light chain 12A is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. Myosin regulatory light chain 12A may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	127169
NCBI GeneID	10627
UniProt Accession #	P19105
NCBI Official Full Name	Myosin regulatory light chain 12A
NCBI Official Synonym Full Names	myosin light chain 12A
NCBI Official Symbol	MYL12A
NCBI Official Synonym Symbols	MLCB; MRCL3; MRLC3; MYL2B; MLC-2B; HEL-S-24
NCBI Protein Information	myosin regulatory light chain 12A
UniProt Protein Name	Myosin regulatory light chain 12A
UniProt Gene Name	MYL12A
UniProt Synonym Gene Names	MLCB; MRLC3; RLC; HEL-S-24
UniProt Entry Name	ML12A_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myosin-regulatory-light-chain-12a-myl12a/331607>