

Human Myosin Regulatory Light Polypeptide 9 (MYL9) ELISA Kit | MYL9 elisa kit

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CATALOG #
AAA331599

REACTIVITY
Human

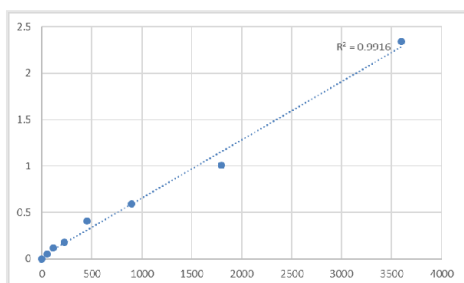
PRODUCT SYNONYMS

Myosin Regulatory Light Polypeptide 9 (MYL9); Human Myosin Regulatory Light Polypeptide 9 (MYL9) ELISA Kit; MYL9; LC20; MGC3505; MLC2; MRLC1; MYRL2; myosin RLC; myosin regulatory light chain 1; myosin regulatory light chain 2; smooth muscle isoform; myosin regulatory light chain 9; myosin; light polypeptide 9; regu; MYL9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin regulatory light polypeptide 9 (MYL9) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYL9. No significant cross-reactivity or interference between Human MYL9 and analogues was observed.
Sequence Length	118
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 polypeptide 9 (MYL9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYL9 elisa kit	Description: This Human Myosin regulatory light polypeptide 9 (MYL9) ELISA Kit employs a two-site sandwich ELISA to quantitate MYL9 in samples. An antibody specific for MYL9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYL9 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 MYL9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Myosin, a structural component of muscle, consists of two heavy chains and four light chains. Myosin regulatory light polypeptide 9 encoded by MYL9 is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. Myosin regulatory light polypeptide 9 binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for MYL9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31563524
NCBI GeneID	10398
NCBI Accession #	NP_852667.1
NCBI GenBank Nucleotide #	NP_852667.1
UniProt Accession #	P24844
NCBI Official Full Name	myosin regulatory light polypeptide 9 isoform b
NCBI Official Synonym Full Names	myosin light chain 9
NCBI Official Symbol	MYL9
NCBI Official Synonym Symbols	LC20; MLC2; MRLC1; MYRL2; MLC-2C
NCBI Protein Information	myosin regulatory light polypeptide 9
UniProt Protein Name	Myosin regulatory light polypeptide 9
UniProt Gene Name	MYL9
UniProt Synonym Gene Names	MLC2; MRLC1; MYRL2; LC20
UniProt Entry Name	MYL9_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://www.aaabiotech.com/human-elisa-kits/myosin-regulatory-light-polypeptide-9-myl9/331599>