

Human Myosin Light Chain 5 (MYL5) ELISA Kit | MYL5 elisa kit

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CATALOG #
AAA331602

REACTIVITY
Human

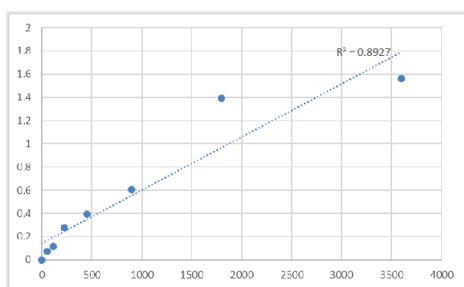
PRODUCT SYNONYMS

Myosin Light Chain 5 (MYL5); Human Myosin Light Chain 5 (MYL5) ELISA Kit; MYL5; myosin regulatory light chain 5; myosin; light polypeptide 5; regulatory; superfast myosin regulatory light chain 2; MYL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myosin light chain 5 (MYL5) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYL5. No significant cross-reactivity or interference between Human MYL5 and analogues was observed.
Sequence Length	173
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 light chain 5 (MYL5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYL5 elisa kit	Description: This Human Myosin light chain 5 (MYL5) ELISA Kit employs a two-site sandwich ELISA to quantitate MYL5 in samples. An antibody specific for MYL5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYL5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYL5 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 MYL5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYL5 encodes one of the myosin light chains, a component of the hexameric ATPase cellular motor protein myosin. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. Myosin light chain 5, one of the regulatory light chains, is expressed in fetal muscle and in adult retina, cerebellum, and basal ganglia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505305
NCBI GeneID	4636
NCBI Accession #	NP_002468.1
NCBI GenBank Nucleotide #	NP_002468.1
UniProt Accession #	Q02045
NCBI Official Full Name	myosin light chain 5 isoform 1
NCBI Official Synonym Full Names	myosin light chain 5
NCBI Official Symbol	MYL5
NCBI Official Synonym Symbols	MYLC2
NCBI Protein Information	myosin light chain 5
UniProt Protein Name	Myosin light chain 5
UniProt Gene Name	MYL5
UniProt Synonym Gene Names	MYLC2; MyLC-2
UniProt Entry Name	MYL5_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-light-chain-5-myl5/331602>