

Mouse Myosin regulatory light polypeptide 9 (MYL9) ELISA Kit | MYL9 elisa kit

Mouse Myosin regulatory light polypeptide 9 (MYL9) ELISA Kit

CATALOG #
AAA27225

REACTIVITY
Mouse

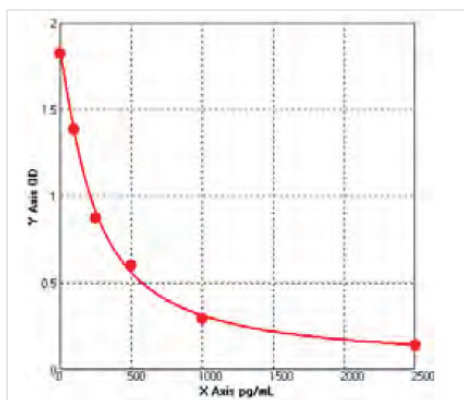
PRODUCT SYNONYMS

Myosin regulatory light polypeptide 9 (MYL9); Mouse Myosin regulatory light polypeptide 9 (MYL9) ELISA Kit; MYL9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MYL9. No significant cross-reactivity or interference between MYL9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYL9 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYL9 elisa kit	Intended Uses: This MYL9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MYL9. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MYL9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MYL9 antibody and an MYL9-HRP conjugate. The assay sample and buffer are incubated together with MYL9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MYL9 concentration since MYL9 from samples and MYL9-HRP conjugate compete for the anti-MYL9 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYL9 from the sample, fewer sites are left to bind MYL9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYL9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MYL9 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563524
NCBI GeneID	10398
NCBI Accession #	NP_852667.1
NCBI GenBank Nucleotide #	NM_181526.2
Molecular Weight	13,866 Da
NCBI Official Full Name	myosin regulatory light polypeptide 9 isoform b
NCBI Official Synonym Full Names	myosin, light chain 9, regulatory
NCBI Official Symbol	MYL9
NCBI Official Synonym Symbols	LC20; MLC2; MRLC1; MYRL2; MLC-2C
NCBI Protein Information	myosin regulatory light polypeptide 9; myosin RLC; 20 kDa myosin light chain; myosin regulatory light chain 1; myosin regulatory light chain 9; myosin regulatory light chain MRLC1; myosin, light polypeptide 9, regulatory; myosin regulatory light chain 2, smooth muscle isoform
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/myosin-regulatory-light-polypeptide-9-myl9/27225>