

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

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CATALOG #
AAA244317

REACTIVITY
Rat

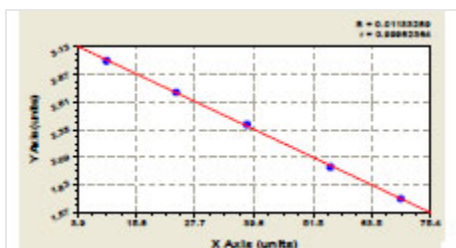
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



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 Rat MYL9. This ELISA kit for research use only!

Principle of the Assay||MYL9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/myosin-regulatory-light-polypeptide-9-myl9/244317>