

Chicken Cardiac Myosin-Light Chains 1, CMLC-1 ELISA Kit | CMLC-1 elisa kit

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CATALOG #
AAA247542

REACTIVITY
Chicken

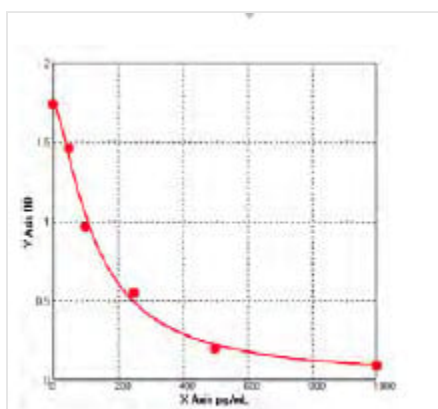
PRODUCT SYNONYMS

Cardiac Myosin-Light Chains 1; CMLC-1; Chicken Cardiac Myosin-Light Chains 1; CMLC-1 ELISA Kit; CMLC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of CMLC-1. No significant cross-reactivity or interference between CMLC-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CMLC-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	195
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMLC-1 elisa kit	Intended Uses: This CMLC-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CMLC-1. This ELISA kit for research use only! Principle of the Assay: CMLC-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CMLC-1 antibody and an CMLC-1-HRP conjugate. The assay sample and buffer are incubated together with CMLC-1-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 CMLC-1 concentration since CMLC-1 from samples and CMLC-1-HRP conjugate compete for the anti-CMLC-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CMLC-1 from the sample, fewer sites are left to bind CMLC-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CMLC-1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9651188
NCBI GeneID	4634
Molecular Weight	21,932 Da
NCBI Official Full Name	cardiac myosin light chain-1
NCBI Official Synonym Full Names	myosin light chain 3
NCBI Official Symbol	MYL3
NCBI Official Synonym Symbols	CMH8; VLC1; VLCL; MLC1V; MLC1SB; MLC-IV/sb
NCBI Protein Information	myosin light chain 3
UniProt Protein Name	Myosin light chain 3
UniProt Gene Name	MYL3
UniProt Synonym Gene Names	CMLC11 PublicationManual assertion based on opinion iniRef.5; MLC1SB; VLCL1 PublicationManual assertion based on opinion iniRef.2; MLC-IV/sb1 PublicationManual assertion based on opinion iniRef.4

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/chicken-elisa-kits/cardiac-myosin-light-chains-1-cmlc-1/247542>