

Human CMLC-1 ELISA Kit | CMLC-1 elisa kit

Human CMLC-1 (Cardiac Myosin Light Chains 1) ELISA Kit

CATALOG #
AAA21634

REACTIVITY
Human

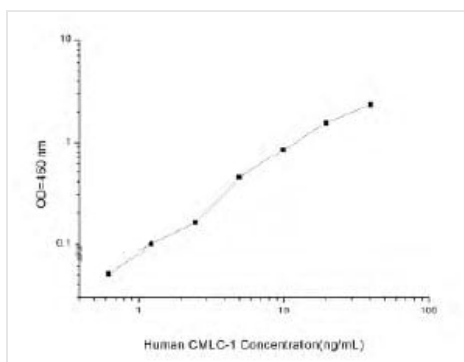
PRODUCT SYNONYMS

CMLC-1; Human CMLC-1 (Cardiac Myosin Light Chains 1) ELISA Kit; CMLC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CMLC-1 in samples. No significant cross-reactivity or interference between Human CMLC-1 and analogues was observed.
Sequence Length	195
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.63-40ng/mL
Sensitivity	0.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CMLC-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CMLC-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMLC-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CMLC-1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CMLC-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CMLC-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human CMLC-1. You can calculate the concentration of Human CMLC-1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CMLC-1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9651188
NCBI GeneID	4634
UniProt Accession #	P08590; Q9NRS8; B2R534
Molecular Weight	21,932 Da
NCBI Official Full Name	cardiac myosin light chain-1
NCBI Official Synonym Full Names	myosin, light chain 3, alkali; ventricular, skeletal, slow
NCBI Official Symbol	MYL3
NCBI Official Synonym Symbols	CMH8; VLC1; MLC1V; MLC1SB
NCBI Protein Information	myosin light chain 3; CMLC1; cardiac myosin light chain 1; myosin light chain 1, slow-twitch muscle B/ventricular isoform; myosin, light polypeptide 3, alkali; ventricular, skeletal, slow; ventricular/slow twitch myosin alkali light chain
UniProt Protein Name	Myosin light chain 3
UniProt Gene Name	MYL3
UniProt Synonym Gene Names	CMLC1; MLC1SB
UniProt Entry Name	MYL3_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.