

Porcine Cardiac myosin-light chains 1 ELISA Kit | CMIC-1 elisa kit

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CATALOG #
AAA93082

REACTIVITY
Porcine

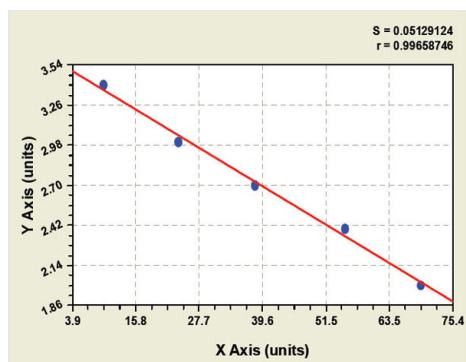
PRODUCT SYNONYMS

Cardiac myosin-light chains 1; Porcine Cardiac myosin-light chains 1 ELISA Kit; CMIC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This CMLC -1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CMLC -1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMIC-1 elisa kit

Principle of the Assay: CMLC -1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

Product Categories/Family for CMIC-1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	55926111
NCBI GeneID	64671
NCBI Accession #	NP_571767.1
NCBI GenBank Nucleotide #	NM_131692.1
NCBI Official Full Name	cardiac myosin light chain-1
NCBI Official Synonym Full Names	cardiac myosin light chain-1
NCBI Official Symbol	cmlc1
NCBI Official Synonym Symbols	zgc:103441
NCBI Protein Information	cardiac myosin light chain-1; laz; lazy susan

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/cmhc-1-porcine-elisa-kits/cardiac-myosin-light-chains-1/93082>