

Mouse Lamin A/C (LMNA) ELISA Kit | LMNA elisa kit

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CATALOG #
AAA66273

REACTIVITY
Mouse

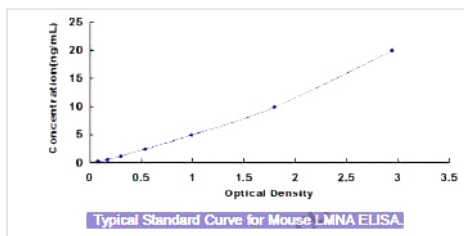
PRODUCT SYNONYMS

Lamin A/C (LMNA); Mouse Lamin A/C (LMNA) ELISA Kit; CDCD1; CMD1A; CMT2B1; EMD2; FPL; FPLD; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; PRO1; Cardiomyopathy Dilated 1A; Limb Girdle Muscular Dystrophy 1B; Progeria 1; LMNA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LMNA. No significant cross-reactivity or interference between LMNA and analogues was observed.
Sequence Length	665
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LMNA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LMNA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LMNA elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LMNA in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LMNA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LMNA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LMNA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LMNA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	162287370
NCBI GeneID	16905
NCBI Accession #	NP_001002011.2
NCBI GenBank Nucleotide #	NM_001002011.3
UniProt Accession #	P48678; P11516; P97859; Q3TIH0; Q3TTS8; Q3U733; Q3U7I5; Q3UCA0; Q3UCJ8; Q3UCU3; B3RH23; B3RH24
Molecular Weight	52,652 Da
NCBI Official Full Name	prelamin-A/C isoform A
NCBI Official Synonym Full Names	lamin A
NCBI Official Symbol	Lmna
NCBI Official Synonym Symbols	Dhe
NCBI Protein Information	prelamin-A/C
UniProt Protein Name	Prelamin-A/C
UniProt Gene Name	Lmna
UniProt Synonym Gene Names	Lmn1

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.