# LMNA (Human) Cell-Based ELISA Kit

Catalog # KA2964 Size 1 Kit

## Specification

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| **Product Description** | LMNA (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of LMNA expression in cultured cells. |
| **Suitable Sample** | Attached Cell, Loosely Attached Cell, Suspension Cell |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Qualitative |
| **Reactivity** | Human, Mouse, Rat |
| **Regulation Status** | For research use only (RUO) |
| **Storage Instruction** | Store the kit at 4°C. |

## Applications

- Qualitative

## Gene Info — LMNA

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| **Entrez GeneID** | 4000 |
| **Protein Accession#** | P02545 |
| **Gene Name** | LMNA |
| **Gene Alias** | CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, PRO1 |
| **Gene Description** | lamin A/C |

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|---|---|
| **Omim ID** | 115200 150330 151660 159001 176670 181350 248370 275210 277700 604929 605588 607920 608056 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Through alternate splicing, this gene encodes three type A lamin isoforms. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome. [provided by RefSeq |
| **Other Designations** | 70 kDa lamin\|OTTHUMP00000015843\|OTTHUMP00000015848 |

## Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Hypertrophic cardiomyopathy (HCM)

## Disease

- Aging
- Alzheimer disease
- Arrhythmia
- Atherosclerosis
- Atrial Fibrillation
- Calcinosis
- Cardiomyopathy
- Cardiovascular Diseases
- Cerebrovascular Disorders
- Charcot-Marie-Tooth Disease
- Cognition

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- Cognition Disorders
- Coronary Artery Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Heart Failure
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Metabolic Syndrome X
- Obesity
- Polycystic Ovary Syndrome
- Syndrome
- Ventricular Dysfunction

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