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# Product datasheet for TA346998M

## Lamin A (LMNA) Mouse Monoclonal Antibody [Clone ID: 5D12-C6-E9]

### Product data:

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| **Product Type:** | Primary Antibodies |
| **Clone Name:** | 5D12-C6-E9 |
| **Applications:** | IF, WB |
| **Recommended Dilution:** | WB: 1:1000, IF: 1:200 |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | The immunogen for LMNA antibody: purified recombinant human LMNA protein fragments expressed in E.coli. |
| **Formulation:** | 0.03% Proclin300 and 50% glycerol. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 74/63 kDa |
| **Gene Name:** | lamin A/C |
| **Database Link:** | NP_005563<br>Entrez Gene 4000 Human<br>P02545 |
| **Background:** | 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. Alternative splicing results in multiple transcript variants. 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. |

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| **Synonyms:** | CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM) |