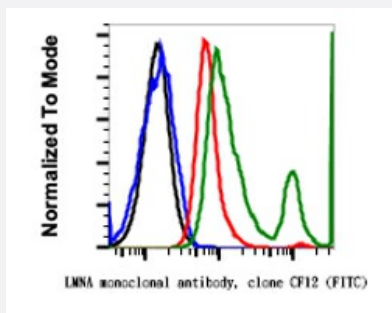


LMNA (phospho S22) monoclonal antibody, clone CF12 (FITC)

Catalog # MAB23398 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells with LMNA (phospho Ser22) monoclonal antibody, clone CF12 (FITC)(Cat # MAB23398). Untreated (red) or treated with nocadazole (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human LMNA.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser22 of human phospho Lamin A/C
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN ₃ , 0.2% BSA)
Storage Instruction	Store at 4°C. Do not freeze.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of HeLa cells with LMNA (phospho Ser22) monoclonal antibody, clone CF12 (FITC)(Cat # MAB23398). Untreated (red) or treated with nocadazole (green).

Gene Info — LMNA

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

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](#)
- [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](#)