bsm-51683M **[Primary Antibody]**

Lamin A/C Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1,k
Clonality: Monoclonal
CloneNo.: C3S4
GeneID: 4000
SWISS: P02545
Target: Lamin A/C
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Apr 2012]

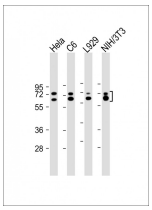
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW.: 73 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Hela cell lysates Lane 2: C6 cell lysates Lane 3: L929 cell lysates Lane 4: NIH/3T3 cell lysates Primary: Anti-Lamin A/C (bsm-51683M) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 73 kD Observed band size: 73/65 kD