

For Research Use Only

# CoraLite®555-conjugated Lamin B1 Monoclonal antibody



Catalog Number: CL555-66095

Featured Product

## Basic Information

<b>Catalog Number:</b> CL555-66095	<b>GenBank Accession Number:</b> BC012295	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4001	<b>CloneNo.:</b> 3C10G12
<b>Source:</b> Mouse	<b>Full Name:</b> lamin B1	<b>Recommended Dilutions:</b> IF 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 66 kDa	<b>Excitation/Emission maxima wavelengths:</b> 555 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG20522	<b>Observed MW:</b> 66-70 kDa	

## Applications

**Tested Applications:**  
FC (Intra), IF

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**

IF : MCF-7 cells, U2OS cells

## Background Information

Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. 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. Vertebrate lamins consist of two types, A and B. This gene encodes one of the two B type proteins, B1. This protein is not suitable for samples where the nuclear envelope has been removed.

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

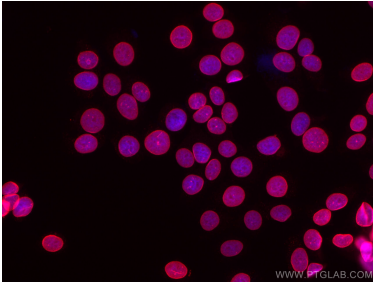
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

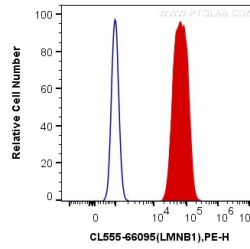
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

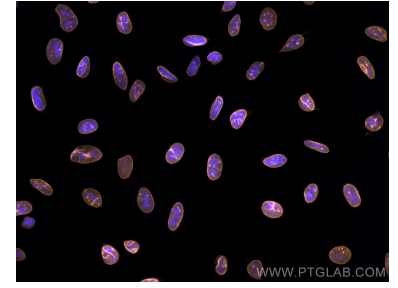
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite®555 Lamin B1 antibody (CL555-66095, Clone: 3C10G12) at dilution of 1:800.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug CoraLite®555 Anti-Human Lamin B1 (CL555-66095, Clone:3C10G12) (red), or 0.25 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CoraLite®555 Lamin B1 antibody (CL555-66095, Clone: 3C10G12) at dilution of 1:1000.