



## Mab to Lamin Type A and C

(intermediate filament proteins of the nucleus)

<b>Clone Determination</b>	R27														
<b>Category</b>	Mouse monoclonal														
<b>Immunoglobulin Subclass</b>	IgM														
<b>Purification</b>	Hybridoma culture supernatant														
<b>Antigen</b>	Nuclear pore complex-lamina fraction of bovine liver														
<b>Specificity</b>	The monoclonal antibody decorates the lamina, i.e. the nucleoplasmic layer coating the nuclear envelope. Mutations in lamin A have been shown to cause Hutchinson-Gilford progeria syndrome in human and mouse and other laminopathies (for review see Burke & Stewart, 2002)														
<b>Application</b>	Immunofluorescence microscopy Immunoblotting (Western)														
<b>Polypeptide(s) Reacting</b>	Lamin isotypes A and C ( $M_r$ 60 - 75 kD); meiotic lamin C2														
<b>Antigen Recognized in Species (tested so far)</b>	<table><tr><td><i>Xenopus laevis</i></td><td>LA</td></tr><tr><td>Human</td><td>LA, C</td></tr><tr><td>Bovine</td><td>LA, C</td></tr><tr><td>Mouse</td><td>LA, C</td></tr><tr><td>Rat</td><td>LA, C</td></tr><tr><td>Trout</td><td>LA</td></tr><tr><td>Zebrafish</td><td>LA</td></tr></table>	<i>Xenopus laevis</i>	LA	Human	LA, C	Bovine	LA, C	Mouse	LA, C	Rat	LA, C	Trout	LA	Zebrafish	LA
<i>Xenopus laevis</i>	LA														
Human	LA, C														
Bovine	LA, C														
Mouse	LA, C														
Rat	LA, C														
Trout	LA														
Zebrafish	LA														
<b>Reactivity on Cultured Cell Lines (tested so far)</b>	RV-SMC (rat vascular smooth muscle cells)														
<b>Working Dilution</b>	Ready-to-use for immunofluorescence microscopy														
<b>Incubation Time</b>	1 h at RT														
<b>Storage</b>	At 2-8°C														
<b>Volume</b>	5 mL (contains 0.09% NaN <sub>3</sub> )														

### References

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- Von Glasenapp E, Benavente R: Fate of meiotic lamin C2 in rat spermatocytes cultured in the presence of okadaic acid. *Chromosoma* **109**, 117-122 (2000)
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