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Product datasheet for TA389014

Lamin A (LMNA) Mouse Monoclonal Antibody [Clone ID: 4C4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4C4
Applications:	ICC, IHC, WB
Recommended Dilution:	**WB**: 1:5000 **ICC**: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant full length human lamin C expressed in and purified from E. Coli.
Specificity:	Specific for endogenous levels of the ~64 kDa and ~74 kDa lamin A and C proteins.
Formulation:	PBS + 10 mM NaN3.
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	64, 74
Gene Name:	lamin A/C
Database Link:	Entrez Gene 4000 Human P02545

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Background: Lamins A and C are nuclear structural proteins that are part of the intermediate filament family and coded for by the same gene (LMNA). Lamins A and C are nearly identical except for their carboxy termini (McKeon et al., 1986). Mutations in the gene encoding lamins A/C have been shown to cause a variety of diseases including autosomal dominant Emery-Dreifuss muscular dystrophy (Bonne et al., 1995), autosomal dominant limbgirdle muscular dystrophy (Muchir et al., 2000) and Charcot-Marie-Tooth disorder type 2 (De Sandre-Giavonnoli et al., 2002).

Synonyms: CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; OTTHUMP00000015843; PRO1

Note: Protein G purified culture supernatant