

Novocastra™ Liquid Mouse Monoclonal Antibody Desmin

Product Code: NCL-L-DES-DERII

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human desmin, a 53 kD intermediate filament protein in muscle cells. Also reacts with rat, chicken, dog, guinea pig, mouse and hamster desmin.
Clone	DE-R-11
Ig Class	IgG1
Antigen Used for Immunizations	Purified porcine desmin.
Preparation	Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label.
Effective on Frozen Tissue	Yes
Effective on Paraffin Wax Embedded Tissue	Yes
Recommendations on Use	Immunohistochemistry on paraffin sections. Heat Induced Epitope Retrieval (HIER): Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 9. Suggested dilution: 1:200 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> Western Blotting: Typical working dilution 1:100-1:250.
Positive Controls	Immunohistochemistry: Bowel. Western Blotting: Muscle.
Staining Pattern	Cytoplasmic
Storage and Stability	Store at 2–8 °C. Do not freeze. Return to 2–8 °C immediately after use. Do not use after expiration date indicated on the vial label. Storage conditions other than those specified above must be verified by the user.
Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com
General Overview	NCL-DES-DERII reacts with an 18 kD rod piece of the intermediate filament protein desmin (53 kD) in muscle cells. The antibody does not appear to recognise other intermediate filament proteins. In normal tissues, NCL-DES-DERII reacts with both striated (skeletal and cardiac) and smooth muscle cells. The labelling is confined to the Z bands in skeletal and cardiac muscle giving a characteristic striated appearance.





BIOSYSTEMS

General References

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