

Novocastra™ Liquid Mouse Monoclonal Antibody Melan A

Product Code: NCL-L-Melan A

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human melan A, recognizing a 20 to 22 kD doublet in melan A mRNA-positive melanoma cell lines. Does not react with melan A mRNA-negative cell lines.
Clone	A103
Ig Class	IgG1
Antigen Used for Immunizations	Prokaryotic recombinant fusion protein corresponding to the human melan A molecule.
Hybridoma Partner	Mouse myeloma (Sp2/0-Ag14).
Preparation	Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label.
Effective on Frozen Tissue	Yes (Acetone fixation required).
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 6. Suggested dilution: 1:50 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: 1:100
Positive Controls	Immunohistochemistry: skin. Western Blotting: HMVII
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





BIOSYSTEMS

General Overview

Melan A, a product of the MART-1 gene, is a melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. It is a relatively small protein of 118 amino acids and its expression is limited to cells of melanocyte lineage and retinal pigment epithelium. Melan A is thought to be a transmembrane protein and cell fractionation studies have suggested that it is present in melanosomes and endoplasmic reticulum.

General References

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