

# Novocastra™ Lyophilized Mouse Monoclonal Antibody CD63 (Melanoma Marker)

## Product Code: NCL-CD63

<b>Intended Use</b>	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
<b>Specificity</b>	Human CD63 antigen (heterogeneously glycosylated-melanoma-associated antigen).
<b>Clone</b>	NKI/C3
<b>Ig Class</b>	IgG1, kappa
<b>Antigen Used for Immunizations</b>	Smooth plasma membrane fraction of MeWo cells.
<b>Hybridoma Partner</b>	Mouse myeloma (P3x63Ag8).
<b>Preparation</b>	Lyophilized tissue culture supernatant containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
<b>Effective on Frozen Tissue</b>	Yes.
<b>Effective on Paraffin Wax Embedded Tissue</b>	Yes.
<b>Recommendations on Use</b>	Immunohistochemistry on paraffin sections. <b>Epitope Retrieval:</b> Not recommended. <b>Suggested dilution:</b> 1:200 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. <b>Visualization:</b> 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, <a href="http://www.LeicaBiosystems.com">www.LeicaBiosystems.com</a> <u><a href="#">The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</a></u>
<b>Positive Controls</b>	Immunohistochemistry: Melanoma.
<b>Staining Pattern</b>	Cytoplasmic and membrane.
<b>Storage and Stability</b>	Store unopened lyophilized antibody at 2-8 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 2-8 °C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20 °C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.
<b>Warnings and Precautions</b>	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 <a href="http://www.LeicaBiosystems.com">www.LeicaBiosystems.com</a>





**B I O S Y S T E M S**

**General Overview**

CD63 antigen is a member of the TM4 superfamily with its structure predicted to consist of four transmembrane regions consisting of short cytoplasmic N and C-termini, and two extracellular regions. CD63 antigen is reported to be widely distributed on the surface and interior of both hematopoietic and non-hematopoietic cells such as most sweat glands, Islets of Langerhans, pituitary, pancreas, peribronchial glands, Paneth cells and prostate gland. It is strongly expressed on monocytes, macrophages and activated platelets and weakly expressed on lymphocytes and granulocytes. CD63 antigen associates non-covalently with CD9, CD81 and the integrins VLA-3, VLA-4 and VLA-6.

**General References**

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