

Novocastra™ Lyophilized Mouse Monoclonal Antibody CD163

Product Code: NCL-CD163

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD163 antigen
Clone	10D6
Ig Class	IgG1
Antigen Used for Immunizations	Prokaryotic recombinant protein corresponding to domains 1 to 4 of the N-terminal region of the CD163 molecule.
Hybridoma Partner	Mouse myeloma (p3-NS1-Ag4-1).
Preparation	Lyophilized tissue culture supernatant containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
Effective on Frozen Tissue	No
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 pH6. 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>
Positive Controls	Immunohistochemistry: Placenta. Western Blotting: Not recommended.
Staining Pattern	Membrane.
Storage and Stability	Store unopened 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. Do not use after expiration 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 reconstituted antibody are stored 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. Return to 2–8 °C immediately after use. Storage conditions other than those specified above must be verified by the user.





B I O S Y S T E M S

Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture confirm. 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	CD163 antigen is a type I membrane protein also known as M130 antigen, Ber-Mac3, Ki-M8 or SM4. CD163 antigen is restricted in its expression to the monocytic/macrophage lineage. It is present on all circulating monocytes and most tissue macrophages except those found in the mantle zone and germinal centres of lymphoid follicles, interdigitating reticulum cells and Langerhan's cells. The protein is upregulated by glucocorticoids and downregulated by the immunosuppressant cyclosporine A and by phorbol esters while lipopolysaccharide has no influence on expression.
General References	Droste A, Sorg C, Högger P. <i>Biochem. Biophys Res. Commum.</i> 256 (1): 110–113 (1999). Högger P, Freier J, Droste A, et al.. <i>Journal of Immunology.</i> 161 (4): 1883–1890 (1998).