

Novocastra™ Liquid Mouse Monoclonal Antibody Endothelial Cell Marker (CD34)

Product Code: NCL-L-END

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human endothelial cells (CD34 antigen).
Clone	QBEnd/10
Ig Class	IgG1
Antigen Used for Immunizations	Detergent solubilized vesicular suspension prepared from a perfusate of human term placenta.
Hybridoma Partner	Mouse myeloma (p3/NS-0).
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. Enzyme Induced Epitope Retrieval (EIER): Please follow the instructions for use in Novocastra Enzyme Proteinase K (IHC). Suggested dilution: 1:100 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: Not recommended.
Positive Controls	Immunohistochemistry: tonsil or placenta (vascular endothelium).
Staining Pattern	Endothelial cell cytoplasm.
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	CD34 antigen is a single chain transmembrane glycoprotein with a molecular weight of 110 kD. The CD34 antigen is selectively expressed on human lymphoid and myeloid hemopoietic progenitor cells. The antigen is also expressed on vascular endothelium.





B I O S Y S T E M S

General References

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