Novocastra™ Liquid Mouse Monoclonal Antibody von Willebrand Factor

Product Code: NCL-L-vWF

Intended Use
FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

Specificity
Human von Willebrand factor.

Clone
36B11

Ig Class
IgG2a

Antigen Used for Immunizations
Prokaryotic recombinant fusion protein corresponding to the A2 domain of the von Willebrand molecule.

Hybridoma Partner
Mouse myeloma (p3-NS1-Ag4-1).

Preparation
Liquid tissue culture supernatant containing sodium azide.
Volume as indicated on vial label.

Effective on Frozen Tissue
Yes (Acetone fixation recommended).

Effective on Paraffin Wax Embedded Tissue
Yes

Recommendations on Use
Immunohistochemistry on paraffin sections.


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

The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.

Western Blotting: Not recommended.

Positive Controls
Immunohistochemistry: tonsil.

Staining Pattern
Cytoplasm and membrane.

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

Human von Willebrand factor (or factor VIII-related antigen) is a 270 kD multimeric plasma glycoprotein. It mediates platelet adhesion to injured vessel walls and serves as a carrier and stabilizer for coagulation factor VIII. The von Willebrand factor has functional binding domains to platelet glycoprotein Ib, glycoprotein Ib/IIa, collagen and heparin. von Willebrand factor is synthesized by endothelial cells and is also present in platelets and megakaryocytes.

General References