

Product Information

Anti-von Willebrand Factor

produced in rabbit , IgG fraction of antiserum

Catalog Number **F3520**

Product Description

Anti-von Willebrand Factor is produced in rabbit using purified von Willebrand factor (factor VIII R:Ag) as the immunogen. Whole antiserum is purified to provide an IgG fraction of antiserum.

Anti-von Willebrand Factor reacts specifically with the cytoplasm of human endothelial cells of normal, reactive and neoplastic blood and lymphatic vessels. It also reacts with human endocardium, platelets and megakaryocytes. Factor VIII R:Ag endocytosed by other cells may also react. Endothelium from several mammalian species can also be stained.

By indirect immunofluorescent methods, the product reacts specifically with vascular endothelium of human tongue. No reactivity of the Anti-von Willebrand Factor is observed with other tongue elements.

Human von Willebrand factor (factor VIII R:Ag) is a 270 kDa 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 IIb/IIIa, collagen and heparin. The factor is synthesized by endothelial cells and is also present in platelets and megakaryocytes.

Reagent

Supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Indirect Immunofluorescence: a minimum working dilution of 1:200 was determined using formalin-fixed, paraffin-embedded sections of human tissue using Anti-Rabbit IgG (whole molecule)-FITC, Catalog Number F9887, as the secondary antibody.

Indirect Immunoperoxidase Labeling: a minimum working dilution of 1:1,000 was determined using formalin-fixed, paraffin-embedded sections of human tissue using biotinylated Anti-Rabbit IgG and ExtrAvidin®-Peroxidase, Catalog Number EXTRA3 .

Note: In order to obtain best results, it is recommended that each individual user determine their working dilutions by titration assay.

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